

gtaacc

1266

<210> 19786
<211> 1268
<212> DNA
<213> Aspergillus nidulans

<400> 19786

gcagggctct cgaccacacc acagaacaaa cctatacgat acagacgaaa tacctctttg 60
gcgcagatgg agcgcggacg tacgtcgcac gcgcgctcga cttcaagttc attacgaagc 120
tcagcgggaa aagggcatgc aatgtgttct tccgcgcgga tttggaccat atcgctccagc 180
acaacaatag caggagagga agccgcgtcg cagggtgca ctgcattctc cagcctgacc 240
ggctccatatt tccaggtgtc gtggcgcac tccgggtcgt ccgcccctcg acagaatggg 300
ccctcgtctg cttcgggcca gaggggagaa acccgctaga tggaatgacg gtgaacaaca 360
gtccggagct tgtcaagctc ctgcacgcgc tgattggcga cggctctgtc gatattgaaa 420
tcctcgcatt ccaccgtgg acggtacgcg agagcgttgc tgaagagtat cgctatcctc 480
gcgagaacat cttactcggc gacgcagcgc accgccaccc accggccttt ggctcgggcc 540
tcaacaccgc attccaagac gcgtacactc tcgcgtggaa agtcgcgtat gtctccgaag 600
gcctcgcagg ccctgaactg ctcggttcat acagtgcgga gcggtaaccc gttggcgcg 660
tcctcgtgcg cgagtcgaat aatgggattc aagtacatgc gcgcatgtgg gaggccctag 720
gcatgtcagc tagcactgga gacgagggcg cgaggcagct tgcacggatt gccgagcgga 780
gtcctgaggg tgcggcgagc cgcctgaaga tccatgaggc actaggagag actgaagtgc 840
agttgcagag tctgggaatt gcctacaatc aacggtatga tgcatcagag gaaattgctg 900
gccaacacc aaagaatggc agtagcgatc atggtgatat gaggaccact gctagaccac 960
cgctcgtagg gaaccaata acaaccaccc agatcagcac gttcccgggt agccggctgc 1020
cacacgccc actggacatc atgacggggc gcaaggtgat ttccacgcat tatctggcga 1080
gtaaagcgtc gttctgtgtt ttcttcggcg ttggcgggga gccgtggcgg gaggctgtgg 1140
tggacatagg ccattcgacg ggcagccgaa tcaacgcgta tggatcggc tatgcactgg 1200
attatgcaaa catttatcgg gaatggcagg taggcgcggg gtcgaagagg atggctgcgt 1260
tctgatcc , 1268

<210> 19787
 <211> 1268
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19787

```

atattacggc acaactcacc aaaatcatag agtctgaaga atatcagcat gcaatcgcac   60
taaatgcccg tgaacatcct gttccggccc acaccgataa gaagcgtggc gtgtttgatt  120
tctacaagcg gcggaactcg gctagcaggg acactctttc agcgccttca gcagaagctg  180
tccagttggg taatgatcct ctgaatgcat acagtccctt gttgtctgta tattatcttg  240
tcaaggaaaa gctggacaga gaaagaagcg agtccaatcc aggggctctc agcatcggcc  300
aagcccctgg ggatatgctt caagtacctg atcttgacc tccggaagcc gtcatacaa  360
accagtatca agtgcctgga gagaaggata ctggaaggcg atcacgaccg cgcgcgagaa  420
cccatggtga tgatgaaatt acagaaggca tgaagaatgc cagccttgca ccaaatcatg  480
cccaagcctc ccacagccct gccgcatctc aaccagacac tccagccaaa aaagaaagca  540
ctgctgctgg tcttttgaga cgcttttagca cgcgaagaac gaaggaccgc agccgtgacc  600
gcgaacggtc aagactggcg agccctcatc agccgtcgct caatgtgcag ccgccagccg  660
attctgcttc cccactttca agaggggttca gcatgcgga aaaccgccgt acagaaccgt  720
cagcgaccgc gattccgtca acgggtagtc agccccaaca tcaagatctc cttaagactc  780
ctggatcggg agagccggcc tcgcatcca acaagtactt ggagaggtca atcagtgtca  840
gtcaggaga accccggcat cggcgggtccc gtcgaactga aggcgattct gggagccagc  900
cgccgcaaac cagcgggtca gaatactcgg ccgtgccaaa ggactcaaca gctgggcgcg  960
aacagaagat agcaccgcgt acgcacgcta gccggacaat gtctcttggc cacgctcggc 1020
gtgaaagcat acaggcgccg tagggctcga cgggacgctg caagagaggc aaatgtccct 1080
gaagagacgg acggagaaat ttctggacct ggggctgcat tggagagtgc aaatgaagag 1140
gacctgtcca aaccagtcta tctaaaaggc ctatttagtg tttctaccac cagcagcaag 1200
ccacttgctt ttattagggc cgatatcatc cgggttctga aacagcttgc tgttgactat 1260
gttgaaat                                     1268

```


<210> 19788
 <211> 1271
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19788

```

accccaacac gggcatctcg atcctgatcg tcggcggcgg catcgcggcc tctccttcgc 60
gatcgaagcc caccgcaagg ggcacaatgt ccgagtgate gaacggcgct ctgcgggaaa 120
gacagatggg acgtgggata ttcattatct agacgcttga aactatctgt actaaccgat 180
tgtctagggt aaatcattgc catcacgggc ccagccctcc acaccccgcg caagtggccg 240
ggatttatgg ataaggcacg caaagaggcc gtccctccgg gcatcacgat gcgcaagtat 300
gatggcacca cgattgggac cttccccgtt ggcgaccca gcaacccctc gctgccgatt 360
taccggtcga aactgcatcg cgtgctaggt gagtatgccg cgcagctggg tattgagggtg 420
gagcttgaga ctagtggcctt cgggtacttt gaaggagaga gcgatgctgg agttattctc 480
gccgacggcc gcgactgac agcagacctg gttgttctg ctgacggggg tggatcgctg 540
tcgtgggagc ttgtcatggg cacgaagcag cctcctgtgt cttcagggtt cgtgctgtac 600
cgggtgactt ttctgtttgg gccggcgctg gagaatccgg ttgttgcgag ggagtttgag 660
ggctataaga accgggcgtt tctgcatgcg gggccggggg cgcataatgg ttcttgtaag 720
aatggggacg aggtttgcta tttgcttacc tgcagggtac tgcaatccat tatatatccc 780
taactcccag tcggttgatg atggcgccga tgctaaggt ttctatggcg tgaaggaaga 840
taacactacc gccgccgaag attggggcaa gaacacctcc atcgacaagg cgctcgaggc 900
cgtggagggc tgggagccct tcgtatctga gctcatcaag gcaactocca accgtacatt 960
gctcgactgg aagctcatgt ggcgagacct ccagccgaaa tgggtatcgg atggcgggcg 1020
tgtcgtgcaa attggcaatg ctgcccatcc atttctccct acctctgcta gcggggggaac 1080
aatggccatg gaggacgctt tctcgcttgc tgcttgctta aaaattgccg gaaaacagga 1140
catatcaacg gcgacgaagg tgcataatca tctgcggtaa gtcttcttcc agatgtatgg 1200
gaggcgaaag ctgataggcg tagctttgaa cgtgtctctt gcgcacagaa aatgggcctc 1260
aagaaccgcg a 1271

```

<210> 19789
 <211> 1271

<212> DNA
 <213> Aspergillus nidulans
 <400> 19789

```

atggtactcg tccgacttgc tcttctcttt aaagattgac catatacagg aattggcgct   60
gcagatatca caaagctgaa ggcgaaatgga ttcttcaacta ttgctgtaat tctcctgcc  120
gccctgttac tgtcctgacg cttacttatt gccatcgagt cgatccacgg ggcaacgagg  180
aaaactctat tgaagatcaa gggtttttagt gagatcaagg tggaaaagat caaagaggct  240
atcaacaagt gtttggttaag attagagaag gggctctcaa tatctattta tgctaaccgt  300
aatagccttc ggcttcgggt ttcataactg caatggaact cagccatcaa cgaaagagag  360
ttgtccgtat ttccactggc agcaagcaat ttgattcgat ccttggaggg tgtgtatctc  420
acagctgtga gaagctagtt ttctgacaaa ctgcagtggg ttccagagta tgagcatcag  480
cgaagtattc ggcgagttcc gctgcggcaa gaccaactc tccacacca tgtccgttgt  540
cgcacagctt cccaaggaca tgggcggtgc agagggaaag gtagcttaca ttgacacaga  600
aggcacattc cgtcctgagc gcattgggca gattgcagaa cggtttggag ttgatcctga  660
ctctgctaaa gagaacattg cttatgcccg tgctttgaat agcgagcatc agctcgagtt  720
gctaaacact cttagcaaag agtttggttg tggggagtat aggctgctga tcatcgacag  780
cattatgaac tgtttcaggg ttgatttctg tggacgtgga gagctagcgg atcgccaaca  840
gaagctcaat cagttcctga tgaagctcgc tcatatggcc gaaggtgagc ccgtcactca  900
tcgtcaaaga actcggtgta tgttttgtaa tagagttcaa tgtgtgcgtc ttaatggtaa  960
gcacgacact ctgcatttag aacgtggctc acaccactgt taagacgaac caagttcaga 1020
gtgatcctgg tgccagtgcg ctcttctctg gagctgatgg ccgtaagcct gtcgggtgggc 1080
atgttcttgc tcatgcttca acgactcgag ttctgcttcg gaaaggctgc ggcgaggagc 1140
gcgtggcaaa aatccaggac tcaccaggtt agttgacttt tcctagcaag taatggatgc 1200
ctactgaata tatacttcag actgtcctga gcgtgaggcg acatatctga tcaccaatgg 1260
cggaattgac g                                     1271
  
```

<210> 19790
 <211> 1271
 <212> DNA
 <213> Aspergillus nidulans

<400> 19790

ggagagggaa aaatgtccag agtcgagttt tgtactctgg gcatgtttat tctcggtagc 60
cgcacctagc tgctggataa ctacagcaca atcgcttacc tccaatcggg tacaataaca 120
gatgatatca acttcgaggg ttcccgaccc agcgtcaaaa atgttcttgg tgggtcggct 180
tcgtttgceg tcatcggcgc ccgtctggca gcggggaaag agtactccag gtcggtcagt 240
tggattgtcg acgttggtc agactttcca ccagaagtcc tggatgtaat tacggcatgg 300
gatacgaact gcgtgatcag gagggacccc ggaagactca ccaccagggc atggaatgg 360
tacggaccga atgagaaacg gggtagtgc ccagatgctc cgcgatgtgc taccggcaaa 420
ttaatgaaga tagcctttaa atacttgacc ccaaagctac gactagagcc atacatgctt 480
tcggactccc aagtgtgtc aaaaacgtt catatggtt gtccctcgtc tcgttgcgta 540
tccatagtgc ggcacattct tcaacgtcgg gaggcctgg ccggtgggtc caacgagagg 600
ccaatctttg tctgggaacc tgtaccagat atgtgcacgc ctgaggaaca gctgaagttc 660
ttggaggcgt gccgtgaggt tgacgttgta agccctaag acttagagct aggcattgat 720
ttcggacacc cgtgctggaa tgaaggaagc gctgaaggca aggaaacagt gaaccagatt 780
cttgattcag ggatcggatc tcggggtgaa gggtagttac tccgcttacc atcagccgac 840
ggcagttacg cttattctcg aggtctaagg ctctggttac tccgcttacc atcagccgac 900
tgccctcagga agctcaccgc tcgttgatcc aacgggagct ggaaactcct tcttaggcgc 960
gctagcgcag gggatgggtga gcgagggtag agatgcgact agagttatca gtccgattca 1020
tgccgagtcc gcaaactggc aaaaagcacc cgcaagctgc ggaaagtacc acagcattcc 1080
acccgctcta attctcgcca ccgttgctgc aagtttcgtc gtcgaacaga ttggcggtgcc 1140
tcgccagtct acatctcatg agggaaagga actttggaac ggtattgaat ttacggaacg 1200
agtcgcctt tacaccaca aattttgtcg gacactcgaa gaatctcctc aaaatcacct 1260
gcagatcaac t 1271

<210> 19791

<211> 1273

<212> DNA

<213> *Aspergillus nidulans*

<400> 19791

agcagatgcc gcctcagga ggctcaagga agatttcctt taacgtctca gatcaatatg 60
 agattcaaga cgtcattggg gaaggcgcct atgggtgtgt ttggtgagaa taacgggtga 120
 aaccatgccg gttatttact gatttttccc agctctgcta tccacaagcc ctctggccag 180
 aaggtagcca tcaagaagat caccctctt gaccattcga tgttttgctt gcgaacccta 240
 cgagagatga agctgctccg ctacttcaac catgagaata tcatctccat tttggacatc 300
 cagaggccgc gaaactatga gagtttcaac gaagtctacc tcattcaggt aaattgcact 360
 agtgccgcgc acatctgaga gccggctgat tgattggtac tgaaggaatt gatggaaaca 420
 gatatgcacc gggttatccg caccgaagac ctggcagatg accactgcca gtactttatt 480
 taccaaactt tgcgtgcgtt gaaggccatg cactccgcta acgtcctcca ccgtgatctc 540
 aaaccatcga accttctcct caatgcaaat tgtgacctga aggtctgcga ctttgggtcta 600
 gctcgatctg cggcttcgac tgacgataat tctggtttca tgacggaata cgtggcgacg 660
 cgctgggtacc gtgcacctga aatcatgttg acgttcaagg aatacacaaa ggcaattgat 720
 gtgtggagtg tgggctgcat tcttgagag atgctgagcg ggaagccctt gttccctgga 780
 aaggactgta ggtactctat tgggtggttg tggagaaatg cgggctaacy catggcagat 840
 caccatcaat tgactctaatt tctggatgtt cttggaacac ctaccatgga agactactac 900
 ggaatcaagt cccgacgggc tccggagtag atccgttctc tcaaaatcaa gaagaagatt 960
 ccgttcaagg cactgttccc taagagcaac gacctagctc tggatctgct agagaagctt 1020
 ttggccttca acccgacgaa gcgaatcacc gtggaggagg ctctgcgtca cccgtacctg 1080
 gaaccatatt atgatccaga tgacgagcca acagcgcccc caatcccgga aggcttcttt 1140
 gacttcgaca agaataagga tgctctcagc aaagagcagt tgaaaagtaa gtatctggcg 1200
 ccaatcgact ccataagtta tgcgacaatc aactaatgtc atcacagttc tgattttacga 1260
 ggagatcatg cgg 1273

<210> 19792
 <211> 1274
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19792

gggtcctctg ttttcatcat gagatcctct atgaggcgaa gattctcgac cttcgacaca 60

cagatcctga tgatcgaaag agcccatatg agtatctagt ccattataag ggctggaaga 120
acacgtatgt atcacttatt tgcttcaatc cgtgattaat gctctgaaat ctacgcgcat 180
ttgggtcaa at gtgtgctgtg atctcttgtt attgggagga agattttgtg cctaacgccc 240
ctgacttccc gagtggcagc tcgtaacctt ggtggggaaa atggcagcgc gtcctctata 300
aatcttgacg gacttatact gacctttatg tgaaacagat gggatgattg ggtaccccaa 360
gatcgccctc gtaaatttac ggaggagaac agagagttgg caaccaccct tcgtcgggaa 420
gccgaggctg cgtcgccaga agagcacgaa aacctctctg aagaagaagg gaggctctga 480
ccacagctcc gcccgaggaa gcgaggaaa acaaacatct gttcctggcc gagggactaa 540
acggggccagg gataatgata ttgaaaaggt ccgttcccag tacctgcaca aatgccgcta 600
agtgaggggg cttgaagcca ccgctaccac gtcggtcgtt atgcgtaacg tatgctgaat 660
ttcctatcta ggaggaacat ttctacacc gaccatcagt gagaattgtg atgccagaca 720
atctcaa atc gctgctcgtc gatgactggg aaaatgttac gaaaaaccag caagtgggtg 780
cgttgccagc caagagctcg gttaatcaga tcttggacga ctatcttaa gaggagagac 840
ccaagcgcac tggttcatcc gaagtagatg tgctggagga agtggtcatg ggtatacgcg 900
actat tttga caaatctctt gacaagattc ttctctatag attcgaacgg gagcagtatc 960
gtgtcctccg caagaggtgg gaatctgaaa ctgcagacaa agggcccctt gatgtctatg 1020
gcgagagca cttgacacgc cttttcggta tgatccccag caaagcaa at caagtagttt 1080
acgaggtaac actaatctac tgctagccac gatgcccag ctcat tgcgc agacaa at 1140
ggaccttcaa tcaacgaacc gacttcgaga ggagctatca aaattcacca tctggctgag 1200
caagaattct aatcactatt ttgcaacacg atatgtcacc gcaagcaatg aatacattga 1260
gaaatcacgc ggcg 1274

<210> 19793
<211> 1274
<212> DNA
<213> *Aspergillus nidulans*
<400> 19793

gccacgaagt ttgaagacaa tgaggaggcg catat tttta gacctatacg ccacatgacc 60
gaatctgtct tcaaagtcgc agttgaaccc gtcaaccgt ccgaacttcc caaatgctt 120

gaggggtctcc gcaaagtga taaaagttat cctctaattc cgacaaaagt ggaggaatcc 180
ggggagcata tagtcctagg gacaggagag ctctatatgg actgctgtgc tcacgacctc 240
cggagattgt tctccgagat ggagatcaag gtgtccgacc ctgttactcg tttctgcgaa 300
acagttgtgg agacgtctgc aatcatgtgc tattcaataa ctccaaacaa gttgaataag 360
atcacgatga tcgccgagcc gctagacgat gggatagctg aggatatcga gactggtaaa 420
gttagcatca aagacccaat ccggaaatgt ggcccggttc ttcgaagaaa aatatgactg 480
tgataaactt gctgcgagaa gtatatgggc atttgggtcca gatgaactgg gaccgaacat 540
cttacaagat gatacattac cttctcaagt cgataagaag ctacttggaa gcgtcagaga 600
ttctataaca cagggcttca gttgggggtac ccgggaaggt cctttgtgtg aagagcgtac 660
gtattctaata actgttatct catcctagct aacttgttca ttacacagcg attcggaaatg 720
cgaaattcag gctcacggat gtttccctgg ctgatcaagc catttacagg ggcgggtggtc 780
agataattcc cacagccaga cgtgctgtct actcatcgtt cttgatggcc tcccctcgcc 840
taatggagcc gctctattct tgctcgatga caggacctgc agatgctgtt gcatccgtct 900
ataccgtgct gtcacggagg agaggccatg tcctttcaga tggacccatt gcgggaactc 960
ccctgtactc gggtcgcggg ctaattccag tcatagattc ttttggcttt gagacagatc 1020
ttcgaatcca tacacaagga caagctgcag tcagccttgt ctttgataag tggagcgttg 1080
tgcccggaga cccactggac cgtgatgtca agctaaaacc gctggagatg gcacccgcaa 1140
tgccgacggc acgcgacttt gttttgaaga caaggaggcg gaaaggctctg gctgaggacg 1200
tgaccgtaag caagtttttg gagccggaac tttggaaggg cttaaagag agtggcgtcc 1260
tagattcgtg agcc 1274

<210> 19794
<211> 1277
<212> DNA
<213> *Aspergillus nidulans*

<400> 19794

tgtcttgtcg attccctgaa gaagaagcaa ttagctccca tttatccgca gcagaaggat 60
aatggacaac cggcgactcc tagtccgcat atttttatgt gcatgattgg tgggtgggcac 120
tttgcggcaa tgctggtttc tctggcaccg gaggttcacg ggaaacaggg tgggtgtcgag 180

gaaagacaag ctgcggttat tgcacacaag tcgtttcatc gctatacaac caggcgaaaa 240
 caaggtggct cccagtcagc caacgacgcg gcaaaagggtg cggcgcatc agcgggttcc 300
 agcctacgac ggtataatga ggctaccttg gaaaaggaga ttagggagct gttgcaggat 360
 tggggcaaga tgataaacga ggctcagctc ttgttcgtcc gcgctgctgg ctctacgaat 420
 cgaagggtct tgtttggcca acatgagggg caagtgctga agcagaatga cccaggttg 480
 agaggggtcc cgttcagtag tcgtcgggcg acacagactg aactgatgag atgcttcaaa 540
 gagctcactc gtgtgaagat tagtcaagtt gatgaagctg ctctcgccgc agccgcaacc 600
 aaacagcgag aagagtcaaa accttctaca ccaaagcctc agccgcagaa accaaagata 660
 tcgaaagagg atgaagcggc aatcatgcat acaacacaaa tacaagcctt catccgtcgc 720
 tcgaaaattc cggcgctgat gtcgtaccta tccaaaaact ctataccctc ttcatttacc 780
 tttcagccat ccgacgtcca gcagaatttt cgatgtcca cactcttca cctcgctca 840
 aacctcaatt cccccgaat ggtattagcc ctccttacca agcttgacgc cgacccaacg 900
 gctacgaatg cagaaggaag aacgccattt gaacttgacg gtgatcgcg tactcgagat 960
 gctttccgcg tacacgccac gagcttggcg agtccaagtg gaattgggag gctgccaata 1020
 ttccgccagc catatccaag gctgaagcag ataaccgtct gcaaagggag cggaaaacag 1080
 cggaagagga agaagcgaa cggcgtaagg cggaatgga tcgcttgca caggaagagg 1140
 cagcgacggc ggctcgaatg acaaaaaaag gtggccggac tgtgggcagt gtagagaaga 1200
 cagctcagga aagaagagaa gaagaaacgc gggggatgac gccggaaatg aggatgcggt 1260
 tggagaggga gcgccgt 1277

<210> 19795
 <211> 1279
 <212> DNA
 <213> Aspergillus nidulans

<400> 19795

tgccggtgtt gacatagcaa gggtggcatc gtcgaaaact ataccgtcga cgactggaag 60
 cagcatatgg agctagccaa ggaaacggga atcgacgcat tcgctcttaa ctgcgccagc 120
 atcgactcct acacagacaa gcagctggca tatgcgtacg aggcagctga agaggtcgac 180
 ttttaaggtgt ttatctcgtt cgacttcgca tattggctga acggcgacac tgccagaatt 240

acctccatta tgcagaccta tgccgaccat ccaggccagt ttcaatataa tgggtgctgcg 300
 ttagtgagca cgttcgctcg ggacagtttc gactggggtc cagtcaagag ggcagtagat 360
 catccaatct ttgcggttcc gaatctgcag gatccgaact gggccggcca cgcgacgaca 420
 tcgattgatg gagcgttttc gtggtatgcg tggccgacgg atggaggaaa tagtattatc 480
 aagggcccca tgacgacaat ttgggatgat aggttcagga ataatctcaa ggacaagggtt 540
 tatatggctc gtaggttgct cattcttttg ctctgagac gacgctgatg acgatgctat 600
 agctgtctcg ccgtgggttt caaccactt caacaccaag aactgggtat ttatctgtga 660
 agaccttcca catctccgct ggcagcagat gctggaaatg cagccagaat tgatcgagat 720
 catttcctgg aatggtgagt ctctcctttg acattagcag gcatgaataa ccgtgaaaga 780
 ctacagcgag tccactaca tcggccctta ctcagaagcc cactctgacg acggctctgc 840
 gcaatggacg aaagactttc cccacgacgc atggcgcatc atcgccaagc cctacatcgc 900
 cgcatacaag gcgggagaga gagagccac tgtggagtct gaccagctgg tctactggta 960
 cagaccgaca ccgaaagccg ttacctgctc gaaggatccg cttgggtccgc caaatggaat 1020
 caacctgctt gaggatagtg tctttgttac gacgctgctc accgagccgg ccacattgac 1080
 tgtcggcagc ggctccctgg agttttcggg tgacgtagat gctggcattg tgacaaacag 1140
 cttcccatg ggtgtcggct cgcaggcctt ttctgtcacc cgcgacggcg aggagatcct 1200
 cggcggcgat ggagggtg atgttcagga tagatgtgac tattataact tcaatgttta 1260
 tgttggtctt tttagcgcc 1279

<210> 19796
 <211> 1280
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19796

caaccaccaa acgtcaaact cttgtatctc attcaatatg actccaatgg atgcggcgat 60
 agaagcaatt gaatcgctaa agccaggcga ttcaattaat tataactaaa ttgcgaaaga 120
 gttcggggtc aaccggataa ctctgtcaag accccacaaa ggaattcagc gctctaggag 180
 agaccaatat gaagaacagc gaattctcaa tgaccagcag gccaaggatc ttataaaata 240
 cattgataag ctctctggca aaggcctata tatattgcat gagatgcttc ggaattttgc 300

aaaagaactg acaggaaaga aaccaggaaa tcaactggcct ggccgctttc taaagcgaca 360
 ctaaattgaa ctctcctctg cctatacaac tgctatggac tccaatcaaa agtgagctga 420
 ttctgcatat aaatattcgc gatactttga cttattagcc cagaaacttg ataaatataa 480
 ggtggagcca gggaatatat ataacataga taagaaagga tttcttattg gaatgctgtc 540
 aaaaggctctc aggatcttct caaagcgcaa atataagcaa ggaaacttca agcagtgcct 600
 acaggatagg aattgcgaat ggataactac aattgcctgc atctgtgctg ataagacctt 660
 gctatcccca gtgcttattt accaggcagc tagcagtgat atacaagata cctggctaca 720
 ggattttgat cctcaacacc acaagacctt ttttgcttcc tctccaagtg gttggacaaa 780
 tgacaagctt ggatatgcct ggttgactgg agtttttgac cgggagacaa aggataaagt 840
 acagaggcaa tggaggctct tattccttga tggccatgga tcttacctta ccatgaagtt 900
 cttcaattac tgcgatgaca ataagatcct tttagcaata tctcctctac attcaacgca 960
 ttcactgcag ccgcttgatg ttgggatctt cagcctgctt tcccacgcct acagcagcga 1020
 actggaggca tatctgtata tatccatggg actaagtcac attataaaac gggacttctt 1080
 tcgcctcttc ttcccgccct gggtaaaggc cttatcaagc aaaaatatta tatcttcttg 1140
 gagaatagtt ggaatacatc ccttcaaccc tgaaattggt ctggcgagat ttagcagaga 1200
 actgcagtca aggccatcaa caagtgagtc ctgcgctct atattaggtg cagaagactg 1260
 gcggaagatc aagaagctcc 1280

<210> 19797
 <211> 1280
 <212> DNA
 <213> Aspergillus nidulans

<400> 19797

tcacgacagg cgagaaatga ggaaaaatac agccatttca agcatctaga taaaacttt 60
 ggtcggactg cgctgtgctt gtctggagga gcgactttcg cctactacca tttcgggtgtt 120
 gtccgagcgc tccttgacaa tgagggtgctt ccgagtatca tcacggggac gtcaggagga 180
 gcgcttggtg cagcgctggt tggtagtagg acagacgatg agctaaagca gctgctgggtg 240
 cctgctctag cgcataaaat caaggcatgt tccgagggtc tcacaacatg ggcgcgacgg 300
 tgggtggcgca caggcgctcg ttttgacacg atggattggg ctgccagtg tagctgggtc 360

tgcaggggtt ccaccacgtt tcgggaagcc tacgagcgca ctggacgtat actaaatgtg 420
 tcatgcgtgc catctgatcc tctctgccc acgatcttgg ctaactactt gacatcgctt 480
 aattgcgtca tatggagcgc cgtacttgca tctgcggcgg ttcttggaat tttgaatccg 540
 gtggtcctga tgacgaagaa acgcgacggt accctcgcg cgtactcgtt cggccacaaa 600
 tggaaggatg gaagtctgcg aacggacatc cccatcaaag cgctgaattt acacttcaac 660
 gtcaacttca ccatcgtctc gcaggttaagt taaacttacc caataacccc agatgttttc 720
 taactttacc tcaggtaaata cctcacataa atcttttctt ctttagctcc cgcggcgccg 780
 tcggccggcc agtaacgcac cgcaaaggcc ggggctggcg cggtggttc ctcggatctg 840
 ccatagaaca gtacatcaaa ctgcacctaa acaaattggc caaagtcctc cgccacctcg 900
 aactccttcc ccgccccctg ggccaagact ggagcgagat ctggctgcag aagttcagcg 960
 gcaccgtcac aatctggccg aagacagtgc cgtcagattt ttaccacatt ctctccgatc 1020
 ccagccctga gcgtcttgct cgcgtgctcc gcacaggcca gcaaagtaca ttacccaaaa 1080
 tccagtttat caagaatcgg ctcaagatgg aatacgctat cctggaaggc ctacatcgtt 1140
 tctcggttga tggagagagt gtcggtgcta cgtcgatcca gccattcccg tttgacaatg 1200
 gagccgcccg tgcagatcag aagagcaacg atccgagaga agagcgtctc aaccgcaatt 1260
 tccccgagcg aagctctgaa 1280

<210> 19798
 <211> 1281
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19798
 ttctctgcac gcgtcttact cctttactgc tacatcttca ttggagtctt cgcgtctctc 60
 acctacacta tgtacgtcaa acaatctcta ccggcctttg tcttgggtct agtcgcctct 120
 tcgcagaacg tcgccgtctt accgcaggca agcgcggcga cccaagtcc agtcgcggac 180
 ccgtataaga tctacaccat cagcgccggc aatatcacgg ccaagcttat ccgcacggc 240
 gctcgtttga ctcaattgct cgttcccgac cgcgatggga tactgcagga cgtcgtttga 300
 ggcttcgacg acccaaccca atacagtgc gacgacaact tctacggccc agtcgtcggc 360
 cgctacgcga accgtatcag aaacggcact ttcaccattg ctggcgaaac atatcatacc 420

cctaagaacg agaacgacgg ccttgatacg cttcacggcg gcgaggtcgg ctacgacaag 480
 cgcaattgga cggtgacctc ctacacgaac tcatcgataa cattctcttt ctatgaccat 540
 gcgctacagg gcttccttgg cgacgtcctc actcatgcaa cgtacaccgt tgacaacaac 600
 aaccgcgtgg gtctccctca gtcaccacc aaactcgtct cccttgccct aaccgaggca 660
 actcccatca tgctcgcaaa ccacatctac tggaacctca atgctttccg tgagcccaac 720
 gtcctcgaag acgtcacctt ccaacttctt ttgagcacgc gttcatcgc cacggacggc 780
 attctcattc ccaacggcac aattgctacc gttgacgctt acaatggcgc tccggacttc 840
 acgtccccga aactagtcgg tcaggacatt aagaacgccg tcggtctctg tggcactgac 900
 tgcacggggt acgacaactg ctggctcatc gacagaccaa cagggctact ctctgacgcg 960
 ctaattccag ctctctacat ggctccaag aacactggca ttacccttga ggctgccaca 1020
 aacacccccg ccatccagat ctactcctgt aatgggcaag acgggtctga cccagtaaag 1080
 ccgtctcaaa ttcagcgcgc caagcaggcc ggctacaatg ggccgactac agtcgacaaa 1140
 aatgcctgcg ttgttgctga gactgagga tggattgacg gtatcaatca gcctgggtgg 1200
 ggacagacgg acaaccagat ctttaccctt ggtggcctgc ctgccgtcaa tctggctgtt 1260
 taaaaatttg gaacggctta g 1281

<210> 19799
 <211> 1282
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19799

gttcagatca aggactttgc tgtggagcaa gtatgtgccc tgccaccccg catcttgccg 60
 atatatcgta gcagaaatta atcccaccag tggatggaca agtacgaaac aaccgccaag 120
 tacaacgtgg cagagacctg cagcgcctcg atttcggttc gagacctoca ggcgctgtgc 180
 gaggacccgg ctttgaacct tttagacggc gtcttggatc gcaagctcac gtacggagag 240
 atccgcggtt ctaagcaact acgatcaaca ctggccaatc tgtattctgt gaggacaccg 300
 actccattgc cttcagacaa taccctggtt actgccggtg caatccaggc aaatttctt 360
 ctgctatata cgttggctcg gcccggggat catgttatct gccactacc aacctatcag 420
 cagctctact cagtcccaga atcgcttggg gccgaagtca gcctatggaa gtcaaaggaa 480

gccgaagggt ggaagttgga cctcgaagaa ttgaaaggcc ttatccggcc gaataccaag 540
 cttatcatca tcaagtatgg caccattccc tacgaacttc acttggcatc tgacgtggtg 600
 atctagcaac ccacagaacc ctacaggggc tattatccca cagggtacat tggacgagat 660
 agtggagata gcgcgcagct catcaatcta tgtcttctgc gacgaagtct atcgccccct 720
 cttccactcc atcagcccta tggaccaga cttcccctcg tcagtcttgt cgcttggcta 780
 tgagcgcgct attgtcacag ggtccttata caaagcatac agtctggccg gtatacgcgt 840
 aggatggatt gcatcccgcg atcgaactgt aattgaggcc tgcgcttctt ctcgggacta 900
 taccaccatc tccgtatctc agctagacga cgcggtcgcg agctacgctc tagccccgac 960
 caccatccat gcaactgctca aacggaatat tgaacttggc cgaactaacc ttggaatcct 1020
 ggagaagttc attgagtccc atcgatgggc gtgcgactgg gtttaagcccc gagcgggaac 1080
 gaccgctttt gtccggttca ataagatggg caagccggta aacgatactg ccttctgcga 1140
 aatgctcctg gagcggaccg gactgatgct tgtacctgga agcctgtgct ttggcggcgg 1200
 agaggatttt ctgggctacg ttcggatcgg atatgtgtgt gaaacgcaag tgctggaaga 1260
 agggttggcg aaattgaagg ca 1282

<210> 19800
 <211> 1283
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19800

gcgggacatg gcaggggaatc attaaccagc tggactacat ccaggggatg ggcttcacag 60
 ccatctggat caccacagtg actgccaatc tcgaggatgg gcagcatggg gaggcatacc 120
 atgggtactg gcagcaggat atgtaggtct cttcatatc cagtggcata aaactaacga 180
 taagtgcaga tatgcgttga acccgactt tggcactcaa gacgacctcc gagcactgtc 240
 tgacgcgctg cacgaccggg gaatgtacct tatggtcgac gtggttgcca atcatcttgt 300
 gagtttgaac tgcagggtgtg cttgctttta tagatgcaa tactcatggt ccatgtaggg 360
 ctacgacgcc ccggcccgct cggtcgacta cagcgccttc aacccttcta actcggcaga 420
 ctacttcac actccctgcg atattacgga ctacgacaac cagaccagc tcgaggattg 480
 ctggctgtac accgacgctg tcagtcttcc agatgtcgat accaccaacg aggaggtcaa 540

ggagatttgg tacgactggg tgggtgacct tgtgtctgac tactctagta aagccccctcc 600
 cctatcctcc cagtactgta tacatatcta tgaagggtgt ctcacatcca aaacaaagtc 660
 gacggccttc gcatcgacac cgctcgacac gtacagaagg acttctggcg cgactacaac 720
 gatgccgagg gcgtgtactg cgtcggcgag gtcttccagg gcgatcccg ttacacatgc 780
 ggggtaccagg aggttatgga cggggtgctg aactatccca tgtactttcc cactatttat 840
 cccgattacc tgcattgccc ctaactgtac cagctactac cccctgttgc gcgctttcag 900
 ctccacatct ggcagtctca gtgatctagc caacatgatc gaaacggtaa agtacacctg 960
 ctcagacgct accttgtctg gcaacttcat cgagaaccac gataaccac gctttgcctc 1020
 gtacgcttcc tcaacccaat ttccccggtt cttctaggca atgccactga ccagacaata 1080
 caggtacacc gacgacatct cctcgcgcaa gaacgtcgcc gccttcgtga tcctctccga 1140
 cgggatcccc atcatctacg ccggtcaaga acagcactac tccggcgag gagaccggc 1200
 aaaccgtgag gcgacctggc tctccggata cgactcgacg agcgagctgt accagttcat 1260
 ttcgaagacg aaccagatcc gga 1283

<210> 19801
 <211> 1284
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 19801

tctctccgct cctccgact ccaggctccg gccgcccgt ctttcgcaac cgtttcggac 60
 aatgctcccc ccgtacacca ccacggcggt ctgaaggacc aggaccggat tttcacgaat 120
 ctttacggac accatggcg cgacttgaag tcagccatga agtacggaga ctggtacagg 180
 actaaggata tcgtgttgaa gggatcatgac tgggtaggat ctgcccagc cagccccggg 240
 catgggatag attcgttggc taatagtggc tatatagctc atctcagaac tcaaggcctc 300
 tggcatgcgt ggtcgtggcg gtgctgggtt tccctctgga ctgaaatacg tatgtcccc 360
 cccttgattt tcccaaagct agcgaatttg tctaatttgt aactcggcta gtctttcatg 420
 aacttcaaag actgggacaa ggaccctcgg ccccggtatc tggctgtcaa cgctgatgag 480
 ggtgaaccgg gaacctgcaa ggaccgcgag attatgcgca aggaccccca aaagctgatc 540

gagggctgtc tggttgtcgg ccgtgccatg aacgccaacg ccgcctacat ctacattcgt 600
ggcgaatttt accacgaagc cactgtcctc cagcaagcca ttaacgaggc ttaccaagcc 660
ggcctaattg gcaaaaacgc ctgtggaact ggctacgact ttgacgtatt catccatcgc 720
ggaatgggcg cctatgtctg tggcgaggaa acctcgctca tcgagtcctt cgagggcaag 780
gctggcaagc cgcgcctcaa gccccgttc cccgctgccg taggtctctt cggctgcccc 840
agcactgtta ccaacgttga gactgttgcc gtcacaccaa ccatgcantc gccgaggcgc 900
cagctgggtc gccggctttg ggcgcgagcg caatgcgggt acgaagctct tctgtatctc 960
cggccacgtc aacaaccctt gcaccgtcga ggaggaaatg tccatcccg cccgtgaact 1020
gattgaccgc actgcggtgg cgtccgaggc ggctgggaca acctcaaggc cgtcattcct 1080
ggcggttctt ccaccctat catccccaag tccgtctgtg acgaccagct catggacttc 1140
gatgccctca aggactcgca aactggctctt ggtaccgccg ccgttattgt catggacaag 1200
tccactaagg ttgtccgcgc catctccgt ctatccactt tctacaagca cgagtcctgc 1260
ggccaatgca cccctgccg tgag 1284

<210> 19802
<211> 1284
<212> DNA
<213> *Aspergillus nidulans*

<400> 19802
tgcgagtgc tggctgggtc cccgcaagac ccttgcaatc ggcgtcgggc ttcaaggcgt 60
cattggcttc atcatgtctg gttgctacga atacctcaat acgccaaga acgttgccgc 120
cttcgtagtt gtctatgggt acgtcgggtc ccgaagcgca caggactgcc cacgctaaca 180
cctcgtagaa tcttccttgc ccttggtgaa ttcggccccg gcgacaacat cggcctttgt 240
gccgcaaaa caagtgtac ctccatacgc ggctcagtact acggtatcgc tgctgccttc 300
ggtaaagtcg gcgcctttgt cggcacatac atcttcccaa tcatccaaga caacgcccc 360
aacgcgatca gacgaggcca ggaccccttc tttgtgtcta gctccctgtg tatctttagc 420
gctgcccttg cgattttctg tctcccacat attggccagg acaccatcac cgatgaggac 480
cgtaaattcc ggaagtacct acaggaacat gggatgata cgtctactat ggggcagact 540
cagacccgc agccgactga ggaagcgtag tggaagatat aaaatatgta gtttacacag 600

tacagatgag cgagcgagat tatatactga atctgttttg actttcttca tgttctcgca 660
 attgtatcac tcgcgacggt taagcctaga aggcttgatg ttatccagaa acaggtcagt 720
 cgggcctacc gggcacgcaa tatgctgacc gtcaggagtg acaagcaacc tatgcccgcc 780
 acttccagtt ccctgatgcg cattacgagt acatgccaac taagacggtc cataaataaa 840
 gaaacaagaa catctctgat gtcttgatcc tgcttccacc cgtccaggcg tccagcgat 900
 acagagcgga gcttagcaag cgcagcttca atctgcagtt ttacccttgt cttcgccagc 960
 agaggttctc gtcgataggt ctctattgct aaggggtaaa tcacgcacac tgcatagagg 1020
 aaatggaaac agctgtgtcc attgccaaac ccgataaatt gcaaccttca gactccaccc 1080
 taaccctaac ctccctcaat aggcctctcc agtcataatc atggttacgt gcagatatca 1140
 gaggatcaat cagcggagat accgttgtaa tcgtctaaaa tatctactaa acgtagaatt 1200
 ccaggctgtg acatgctccg gtattgcctt gcacgctcc ccatcaagct acaacattcc 1260
 aaccataatc actacagtac atgt 1284

<210> 19803
 <211> 1284
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19803

tcctcgcaac cacggaatcc accgcaggaa agacttacat cgtgactggc gcaaactctg 60
 gtcttggggtt tgaagcggca aagcacttcg tccgcctcgg tgcaaagaga gtaatcctag 120
 ccgtgcgcac gataccttcc ggcgaggccg caaagcaaaa aatcgatgaa gccacggcga 180
 caactgacgt cgccgaggtc tgggcccttg atctgagcag ctatgcttcc gtcaagacct 240
 tcgcaaagcg tgcgattaca gagcttgacc gaattgatgc tgtgattgag aatgcggctg 300
 tggcgacggc ggaacaaacc agagccgagg ggcattgggtt atcgctcacg gtgaatgtct 360
 tgagtacttt tctcttggcc gtgctgttgt tgccgaagct gaaggagtcg gcagagaagt 420
 atggtgttct gccgcacttg tcgattgtga catccggtgt tggatgggat gtgctgaga 480
 cgtgggagaa aatcgagag gatccgctgg tcaggatgga tgagttgcct agtgagcaat 540
 tgatgggttac gtatgtccat tgtatcaciaa cttccttgag tcttggtgat gctaacatat 600
 gctgtgcgag caggtaccct ctttccaagc tgatggatac cttagctgtt cgtgagctgg 660

cggtcgggtt gctgttgag caaggaagg tggatcaaa ttccatttgt cctggtctct 720
 gtaagactga gctgggtcgg aattgcccac ctgcccagaa gcaggcaatt gtcgaacagc 780
 atgagctata tggacgaact gcggaggatg gaagtcggac tcttctcgct ggttccgttc 840
 taggaaagga aagccatggc gcctacactt ccaattgtga gattagagag tgcgtggccc 900
 caaacctcta atgcgtcggg ctgtgctaata ataatacaata gagacaaagt ccctgattgg 960
 gcgaagggcg aggaggcgaa aaagtggcag gaacatttat ggaatctcat tgtgaaggaa 1020
 atcgagactg ccgagccagg atgtgtgcga aaggcgttgc agaaataagt gccatgtaac 1080
 cttttcgtcg ctgcatctgt tgtatcagt taattagtca atttgagttg agaagctgag 1140
 aaatttctgc gtattgcaaa gcactgtgcc ggttctatca tgtatcgcat ccacccatgg 1200
 gaagccagcg agtgccctct ttacgtcctt ccaggaggag agaccaagag cgttcattgc 1260
 agtattagtt gttggtatca gcca 1284

<210> 19804
 <211> 1286
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19804

gggacgcaac gtaattgcga caactcgtac tcgtcgtca cagggcagcg cagagtgagg 60
 agtagccgct ccaaagatg aaaactccct ggaattgact gtcactaga cctcctcgac 120
 ttcacaacac ccgaacgtgt ccggatacac ctatcttctc tatcgacacc caacttcgcg 180
 acgagttata cactcggtag cgtcgggcta atcgagggtt ccatttcata cctatacagc 240
 aatatatcat tcgacaatac gccaaagtaa agcgtcttaa ttcccctccg caagcttgct 300
 cctggctata gacaagtaca agcgcacctc gcgcccccg ttgaatcttg gaattgggac 360
 tcaatactag acggcaccaa tgccgggaat tatggctatg gacagagctc aaagggccag 420
 aaggcgacgc tacttcatgc aactttgcat ctgccgccac caacgactct caacgcgctt 480
 ttcttgcgac gcatttcgcc gactatgcag ctctcacttg ccgtctcctc aacaagggga 540
 cctccattat caaaatccgc gccacaggct acactcctga cccaactcac ccacgacacc 600
 ggaaaataca gtaatgagta tctgttcagt acggataatt cctcttttgg ctggcgcgga 660
 ctatggaact ttggtcctga tccccgggtt aataacaacg cgcaacggtt atccctgcta 720

tcggctggtg cagaggccta ttattctccc gtatcatcat taataggcat gtcgaccggc 780
ctcaggttct gcactttacc agcgccact tcacgacgc ccaaccccaa tacaccaatt 840
tctaccttcc catataccct aacactcaca ctactccgt tgaccggatc gctctcaacg 900
tcctactccg tacgggcttc tcccaatctt tccttcagct cccgtttcgg cttcaacgtc 960
tacagctggg aaagcgaaat ggtggcaggg ttcgaactct ggcgacagtc aagaaaggcc 1020
gccatagtag acaacgatgg ccttgaatgg gctcgcaata aggctcgcat ctgggacatt 1080
ccggcttctt cccaggtgcc agaaccaatc acgcctagcg aagaagaaac ccaagaatca 1140
gtccttaagg tccgagttga tcagtcttgg aatgtacgcc ttctctggga aggccgagtt 1200
aaggagctcc ttgtgagcgc tgggtgcggg cttggaccga gttcgttctc accttcctcg 1260
tatgcaaatt ctcaagctac ggcagg 1286

<210> 19805
<211> 1286
<212> DNA
<213> *Aspergillus nidulans*

<400> 19805
tcctgccacg gttcgaggtg attgagccac agaaataagg actgtgcatt tattcactga 60
ctagtcagac tactacaacg aaggcgctat ggacctgatc acattacgcg acaacgaggc 120
ggcatttgac cggataaga tccttccccg ggtcctgatc aacgtcgcca aagtggacac 180
gagcaccgag atactgggga cgaaggctct gaccggacac cagatccagt gaaaacatgg 240
ctgacggtat gagcacaggt gtctctcccc ttcggattca gccagcggc ctcgcaaaaa 300
ctcgcgcatc cagacggcga actcgccaca tcacgcgccg cagccaactt tggcatctgc 360
atggggctgt cctcactctc gaactattcc ctcgaggatg tagcggccca ggggatgggt 420
aaccgctatg tcatgcagat gtgcgtgctg cgtgatcgat ctataacgct gcagttgttg 480
cagcgggagg aaagtgcgta tcggttcgtg tctgaagaat cctttgctaa cgatgccaga 540
atctgggtac aaggcgctgt ttctatctgt tgacgtcccc gttttgggaa tgcgattaaa 600
cgagttccgg aacagctttg ttctcccaga agacatggag tggccgaata tcttgagcaa 660
cggcagtgac ctgtcaaata agacagatta tggtgaggct ctctatctct agaactatag 720
acgcccctaa ccgaccgtcc ttgccagatc caagtcttga ctgggccagt acaatcccgt 780

ggtccgcgaa cacacatcaa tgcagatatg gctcaagggg gtgtgctctc ccgcagatgt 840
 cgaactcgcc attcactacg gcgttgacgg catcgtcac tccaaccacg gcgggcgcca 900
 gctcgatggc gtccctgcaa cactcgactc gctgcggctg tgcgccgaag tcgccaaggg 960
 gcgatataccg ctggctatcg atggaggcat ccggcggggg tccgatatct tcaaggccct 1020
 ggcgctgggt gcgagatact gcttcatggg gaggattccc atctggggac ttgctgtacg 1080
 tttaacgttt tttatgattt attctcttta aaatatgtgg cgttatatgc tgacagtcgc 1140
 agtacaacgg gcaggaagga gtcgaacttg ctataaagat tctgaggcag gagttgaggg 1200
 tgacgatggc actggctggg tgagtacatg agctgattcg ctctagacag cacgaaaata 1260
 atgatatctt gcaggtgccca gaccat 1286

<210> 19806
 <211> 1287
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19806
 tcaaactata gcgataccga agttcataga ttatttcata ttactacaat catgtttcgt 60
 tctgccttaa agaaaacccc caacgacatc gtctctctct ccgcgcgtccg gtcacctata 120
 acccgcgctt tcaaaggcgg ttctcgtgac tcgcaccagc aggacctctt aattccaatc 180
 ctccaggcct cacttcagcg tgccaatatc tcccagaca gcgtcaatga cgtgctcatc 240
 ggcaatgtcc ttgcagaact cggcttcgcc aagacgggtc gtaccgcact caatgccgcg 300
 ggctttaatc ctacaaagac tacattccac accgtcaatc gacagtgcag tagtagtctg 360
 caggcgatta cgcataattg gcacgcgac gcagtagggc agatcgaggt cgggattgcc 420
 gggggcgctg agagcatgag caggaattac aatccggctc ggggcattcc aagagacgtg 480
 agtccgttgt tgaaagagtg tggagtgaag gaggcgaccg attgcctttt gccgatgctg 540
 gtgacgagtg agaattgtgc aaagaggtag ggggtcggta ggacggagca ggatcagttt 600
 gcagcagaga gccagagaaa ggctgtgggt gcgcaggagg agggtaggtt tagcgagatc 660
 gtgccggtta gggcaaggag gcttagctcg gagacggaga atgagacgtt tgagtttgct 720
 gatagggatg atggggttag gcaggggctg actgttgaga agttggcggc gttgaagccg 780
 gttctggaag ggggtgcttc taccgcgggg aactcgtatg tcttcttgcc tatgccactg 840

ttctatgcta atacgtagtc ttcagctccc aaatttccga tggcgcttcc ataacgattc 900
 ttgccagccg cgcttgggct gaatcccacg gtctaaggcc tattgcccgt tttgccgga 960
 cccaggtggc cggtgtgtgcc cctgacgaga tgggcatcgg gcccatcgac gctatcaaga 1020
 ggctgtacaa gcacagcggg gtctcacaga gcgatgtgga tatttttgag ctgaacgagg 1080
 cgtttgcgag ccagagtatc cattgtatca gggagctagg cattgatatg gccaaagtaa 1140
 atccgaacgg aggagcgatt gcactgggcc acccgatcgg cgcgacaggg gccagacaga 1200
 cggctacgtt gttggcagag ctggcgaggt cagataagga ggttgggggtg gtgagtatgt 1260
 gtgctagtac gggaatgggg gttgcaa 1287

<210> 19807
 <211> 1287
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19807

ggggccaatc cagctgagca tatgcttgag gtgattgggg ctgcgccagg ggcacagaca 60
 gatatcgact ggcctgaagt gtggaggagc agtcctgagt accagcaagt acgaagtga 120
 cttgcaagac taagagagtt ggccaatcgt ccacgcccag tctcagaccc gaatgacaag 180
 tctagctatg ctgagtttgc agcaccgttc tctgagcagc tccttcaagt cggccgccga 240
 gtgtttcagc agtactggcg cagcccgtcc tacatttatt cgaaagcttt gttgactgtt 300
 ggctgtgtaa gtcgtctccc agtctctaga gcttgctttt ccctaactag atcagtcctt 360
 ctttattgga ttctcgttct tcaaagcgga caacaccaga caaggccttc agaatcagat 420
 gttcgggtgc tttgtatttc tttttgtagt cgttcagctc gtcatgcaag tcatcccctc 480
 cttcgtcaca cagcgaactc tctatgagtc gcgggaacga cagtcgaaaa cttatgcatg 540
 gcaagcattt gttctttcca acatcatcgt cgagtttgtg tggataacag tacgctcctc 600
 acttcgtctt ttatgacttc caccttctat ggctccact aacgtcatgc ctagatcatg 660
 gccatcttct gctacctcgt ctggttctat cctgtcggct tgtaccagaa cgcgcgatat 720
 acggacacca ttcactcccg aagcactctc acattgctta tcatctgggc ggtcttcctt 780
 ttcgccagtt cattcgcgca catgctgatt gccggcgtgg atagtgcgga gatggcatcc 840
 gccctctcca atatcttctt catcatgatg tacgcattct gcggtattct tgccgggtcca 900

aatgcgcttc ccggcttctg gattttcatg taccgtgtca atccgcttac atacctcgtg 960
 tcctccttgc tatcagccac tcttgagat gcacccatgc actgcgcaa taatgaggtc 1020
 ttgacattct tcgcgccacc ggggctaacc tgtcgcgagt atatggaaga ttaccggtct 1080
 gtcaatgggg gttacttgct caaccggat gcgcaaggca gtgatcaatg tcagttctgc 1140
 agcttgaggt acaccaacca gtacctgagc agtcttagta ttgacttcaa taaccggtgg 1200
 cgggatttcg gctcctctg ggtctacgtt attgtcaaca ccgtcggagc aatcgtcttc 1260
 tacaagctgt tccgggtgcc tagggca 1287

<210> 19808
 <211> 1287
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19808

ctttatttct cctttctctt ttgtttgcca ggcttcaatc cggcaacaat atcgagctt 60
 tgttctagtt gctcaacgga tcgccccttc aaggtattct ctgcagtggt ttatgccgga 120
 attttctgcy cttgccc aaa catgaccgcy ctttgtgtta cgcgccctca tcacatataa 180
 ttcatgtcct aactcttcac gacggcttag tcaatcatct caaaatccat cgtcatgtct 240
 gccgaatacg agcacgaaaa cggccgttat gatggtacgt aaactactgt cgccatggaa 300
 gcgatctcga tggcatgggt ctaacttcag ttcttagacy agccacgctt cgctcgcgac 360
 cgcagcgcct ctccccgtga tgagccgcy gccgatcgtg cccgtagccg ttctccaaac 420
 ggtcgccttg acgagcggta tgctgcctt tagcatcggc tggagacaat acgcgagcat 480
 atatgctgac gctcaaatat cagtgggtccc attgatcccc gcaagcagct tgatgatgac 540
 gaggggtgctg tcaacactgg ctctaacctc ttctgcaccg gaatccaccc acgtctgact 600
 ggtccgaca tctcacgtct gttcgaaaaa tacggagatg ttgagagctg ctgatcatg 660
 gtcgaccctc atactaagga gtcccgaggc tttggcttcg tcaacatggg gactgctgag 720
 caggcagatg cagccaagga gggcttgcaa ggtgagggtta ttgaaggccg cactctaagc 780
 attgaaaagg ctctcgttag ccgtcctaga accccgactc ccggtaaata ctttggaact 840
 cccaagcgtg gtaagtcacc ctttagaccg ccgacgtgtc tcggctaata tgtataacag 900
 agtttggtgg acgccgaggt ggccgtggcg accgctacga tgaccgacgt ggccggtacg 960

gaggcggaaa ctggcgccgt ggtggtgatg actaccgcgg ctacggccgc tacgactcct 1020
acagcgaccg tcgcgactac ggcggccgcg attaccgtga ttatggccgt cgcgactacc 1080
gtgacgacta tgcaggcggc cctggtggca gtggcagtgg tggataccgc ggtggagctg 1140
accgctacgc ctccggtggc cgtgaggaac ggtaccggtcg tgatgaacgc cgcgatgatc 1200
gtcgtgacga acgccgtggg tactatgacc gtgatgctaa ccctcctagt tacggacatg 1260
gtgctccttc acgcgaccct taccccg 1287

<210> 19809
<211> 1288
<212> DNA
<213> *Aspergillus nidulans*

<400> 19809

cgccagtcct gccggttctc cttecgctacg catattaggg atggaaacga aaaatgctaa 60
ctccatccat taagatttga cacagtcaaa gtacgattac aaacgagcaa agacgggcat 120
ttcaaaggtc cgctggattg cgtgctccag acggttagga aagaaagtgt ttcgggttta 180
tacaaggggg cgacgccacc gttagtggg tggatgggta tggactcagt gtgagttgcg 240
ctgcggtctc gatttgagct atgcggggat atctaacagg aactttgcag aatgcttggg 300
tccttaacgt tataccgcgg tctgctactt gaaaatgtct tctcgaaccc ttcaatacgt 360
gctatgactc cgtttgcgaa gaaccagtct gacctacata cactgccgag tttcggacac 420
ggcattgccg gtattatggc gggcacgacg gtcagcttta tagctgcccc tgttgagcat 480
gtcaaggcac ggcttcagat ccagtacgca gctgataagt cgaagcgggt gtacagcggg 540
ccgatagact gcacgcgcag aatcgtacgg aacttacccc ttccttaccg acggtgtact 600
aataggcccc cagcttagcg cccacggcat cagcggcctc taccgtggcc tctgtgcaac 660
aatcctcttc cgctcctttt tcttcttctg gtggggctcc tacgacgttc tgacgcgtct 720
gatgaaagag cgaacttccc tttcagcacc ggcaataaac ttctgggccg gtggtatctc 780
ggcccagatc ttctggatca cgtcgtatcc gtcggacgtg gtgaagcagc ggctcatgac 840
ggatccgatg ggcgggacgc ttggcgacgg ggaacggaag ttccggtggg ggaaggatgc 900
ggcgaaggca gtatatcggg agagaggctg gaagggttac tggaggggct ttgtgccttg 960
cttcctcaga gcgttcccg ctaatgcgat ggcgctgggt gcgttcgagg gggatgatgag 1020

atggctacct taagataaca ctgccctctg accggaggta taaggtagat actacttatg 1080
gacatccata tatacaggac atagacttga aggcgaacag atactgcaaa tagtttatgg 1140
catcagcttg agaggggttct gaatgtcgct ggatgtcatg gtggcagttt gctggctgga 1200
acgtgcact tccgcttccg gcgacttctc gcgagtcacc aagacgcgaa caaaaacttg 1260
tagcagaggt actggggctg tgacagag 1288

<210> 19810
<211> 1288
<212> DNA
<213> Aspergillus nidulans
<400> 19810

tccgacctc acgtcgctgt tcaattcgtc ctacttcac ggtcaaatca ccgccgccgc 60
tgtaggggtg gggacgggta cgattccgtc agactgggca tggagagtac cctctttgct 120
ccagattgca cccgctatgg tacagatcgt gacggttatg tatgtttctt catatcactt 180
gatatagtca cgctgattga tgtgctgcta ggctcctccc cgagagtcgg cgttacctgg 240
tcagtaagga ccgcaccgat gaagcggctg agatcctcac caagtaccac gccgagggcg 300
accgcgactc cgttattgtg aaagcagaaa ttgccagat tgaaagaact atcctactcg 360
agcgagaaga atccaagcaa tcatggggag atctgttccg gaccgcgggt atgcgccgtc 420
gcctctttat cactgcttcc ctccgactgt tcacacagtg gtctggaaac actctgatct 480
cgtaggttct cccaactact ctttagcgag atgctgatct cctcaggtat tatctgagcg 540
acttgctcga tatggtggac atcaaggact cagtcgtcaa atcgaagatc aacgtcggta 600
tcgcctgctg gggctcttga tgcggaacaa ccctggcctt gacagctccg cgtttcaaac 660
gcagaacaat gtacctcacc accgcctgct ccctgctcag cgtgtacatt gcctggacca 720
tctcgatgga aagggccatg accaccgaga ccaagctgc tgctgtttta accatccttt 780
tcatcttctt ttactcgccc gcatataacc tgggatacaa cgccttaacc tacagtatgc 840
ccctcacttc tctcggaag gcgcctttgc taactctaaa aagcatatct catcgagatc 900
ttcccgtact tcaatcgatc ccgcggcctc tcgtgggtcc agttctacgg ccgtggagcc 960
actttctttg cgacttatgt caatccaatt ggacttgacc gcattgagtg gagatggctg 1020
attgtgtact gctgctggct ggcgtttgaa gtcgttttta tatacttctt cttcccagag 1080

acatcgggac gtacgctcga ggagttgtct ttcagtaagt ttttccgttg atgctttttt 1140
 agatgttaat actaacaatg gcgtagtggt cgagggcaga gagaaagcag atgaggttgc 1200
 tgctgccgtg cataagcaga ttgacgagac ggagcacaag ggtgcgacga ctgagattcg 1260
 cgagaagggtg tagtagggct agtctgtg 1288

<210> 19811
 <211> 1288
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19811

aatggctctg ttactatctc tcagccttct tgccacaaca atctcagccc aacagattgg 60
 gacgccagaa atccggccac gtcttactac ctaccactgt acttccgcca acggctgtac 120
 agagcagaat acctctgtgg tgctcgatgc cgccacgcac cccatccacg atgcatccaa 180
 cccagtgctc tcctgcacca cctcaaattg gctaaaccct gctctatgcc cagacaagca 240
 gacttgcgca gacaactgcg tcatcgacgg cataactgac tatgctgcgc acggagtoga 300
 aacccatggg tcgcggttga cactcactca ataccgaaac gtgaacgggg cgctctcctc 360
 tgtttcaccg agggctctatc tcgttgatga gtccgacct gatgagcagg agtatcgagc 420
 cttgtccctg ctgcccgaag aatttacctt cactgtcaac gtctccgcgc tcccatgcgg 480
 gatgaacggc gcgctatatc tctccgaaat gtctccctcc ggcgggcgca gcgcgctcaa 540
 ccccgccgga gcctcctatg gcacaggcta ctgcatgcc caatgttatg tgaatccctg 600
 gatcaacggc gagggaaaca tcaacggcta cggagcctgc tgcaacgaga tggacatctg 660
 ggaggcta at tcgaggagta cgggggtcac gcctcatgct tgtttatatg agccggagga 720
 aactgagga agaggggtat acgaatgcgc ctccgaagat gaggcgata gcgcgggcga 780
 gaatgacggc atctgcgata agtggggatg cggctttaac ccgtatgctc tgggaaatac 840
 agagtactac ggccgtggcc aagggttga agtcgacact aaagagccct tcacggtcgt 900
 gacacagttc ctgacggatg acggaacaag tacagggtgt ttaaccgaga ttagacggct 960
 atatatacaa aacgggcagg tcatcgagaa cgcagttgtc tcgtctggtg cagactcgct 1020
 gaccgattcc ctctgcgcct ctaccgcgtc atgggttcgac tcatacggag gaatggaagg 1080
 gatgggaagg gcgcttgccc gtgggatggt cctcgccatg agtatctgga atgatgcggg 1140

tggctacatg cagtggctcg acggtgggga tgcaggaccc tgtaatgcca ccgagggcgc 1200
 accggaattt attgaggagc atacgccgtg gacaagggtt gtctttgaag atttgaagtg 1260
 gggatgatatt ggcagtactt tccaggcg 1288

<210> 19812
 <211> 1289
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19812

gggctggtct tttggtgcgt tctcaccctc tactatctgt ttgaacccca agaacagctt 60
 caatgctaac tgatatctga acagtttata gccgtcttcc taggctacgt tgccgtctct 120
 ggagtctcgc tctaccacta ctgaagaac aaatcggtca acggcgatgg aatttacgac 180
 tcagccaaca ctttctccct cgacacaaac actttggtcc tatttatctt cgtcctttgt 240
 gtcgcgctcg ctttctcatg gggatatttt ctgctagcgc ggcaattccc caaattcatt 300
 atttgggcca cggggatact gaacatcggt ctgcactcgc cgacggggat atactacatc 360
 gtgaggaaac agtacggggg aggaatagta ttccttgtct tcggcgtatt cgcgataatt 420
 gcgtttatca gctggattcc ccgtattccg ttacggcgt ttatgttgag gacgagcatg 480
 gatgtctccc ggaagtacgg gcacatgttt cttgttagtg cgctgggtgg gattatctca 540
 gttgcttttg cggcttggtt ctccgcgact ttagtcctat atacgtcacc tacgaaccca 600
 acagcgatgg caccaatccc tcatgcagga atggctctgg cagctgtagc acagcccgtg 660
 tgatcggcct cgtcgtgtac gtcactttcg ccatgtactg gttcagcgaa tggctcaaga 720
 acaccatcca cagcaccatc gcaggatgta tacgggtacg tggactttct tcgccaattc 780
 cccccgtggc atgcccgcac acgcaacaag gggatgctctc aagcgcgcaa caacctactc 840
 gttcggaagt atatctttcg gtagcttgat tgttgcaatc ataaattgcc tgcgtcaagc 900
 atgctcagtt gccagcgcc atgaagcagc cgagggcaat ctctgggaa gtatcgggtt 960
 ctggatctta ggctgcttca tctcactcct tgactggctt gtaaccttct ttaaccgcta 1020
 cgctactgt catatcgcg cctacgggaa gtcgtacatt caatccgcaa aagatacgtg 1080
 gactatgatg aaggatcggg gcatcgatgc tttggccgct gactgcctcg tcggccctgt 1140
 gttgacaatg ggctccgtat ttgtgtccta tgtctgtgcg ttgttggcat atctatatct 1200

ccagtttacg catcctgcgt ataacgatgg tggtagcttt actgcagtca tcatggcttt 1260
 ttctgtttgtg attgggttgc aagtatgcc 1289

<210> 19813
 <211> 1289
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19813

cgccggcgtg accagctact cggagactgg tacctacacc atccctgcta ccaccatcac 60
 cgtcaccgat accaccactg tctgcggcgc tactaccact gagctcccca gcggtaccca 120
 cacctacggt ggtgtcacca ccattgtcga gaccgccacg accatcacct gcccctatgc 180
 caccgtcaag cccactggca gcaccgtcac cagcgtcatc gagaccacga cctacgtctg 240
 cccctcgggt ggtacctaca ccattgcccc gaccaccacc ttctgtcccta cctccaccgt 300
 cgttgtctac cccaccccg g aaaccgtcac ccctggcacc tacaccaacc ctggtaccac 360
 catcacctgt actcgactg aggacgtcta tgtctgcctt tacaccaacg gcaatgtccc 420
 caccagcgtc cctgccctgc ccaccacctc tgctgcctcg accactactg ctgttcccag 480
 cagcagcacc accacctcgt ctgccaccag cgtccccacc ggtgctagcg gaaacaagat 540
 gggatgact ttacccccct acaacaacga cggaagctgc atggccaaga acgatgttct 600
 tgagcagggtt ggtcttatca aggggaaggg attctccac gttcgtgttt acggaaccga 660
 ctgccacacc ctcgagtacg ttggagctgc ttgcagcacc cacggcctca agatgatcct 720
 cgggtgcaat gtcgagggct ccaccggttt tgatgggtgt cgttcccagt tcaaggacat 780
 taccaactgg ggccagtggg atcttgtctc tctcattgtt gtcggtaacg aagtcgtcac 840
 tagcaacatc gcgtccgctg cccagctcgc cagcttcgtc tccgagggcg ccagcgcttt 900
 ctctgccgcc ggctacactg gccagggttac caccgctgag cctatcgacg tctggctcag 960
 taacgggtgct actctctgcc ctgtcgttga tctcctgggt gcgaaccttc accccttctt 1020
 caaccccgag ttaccgccc ctcagtcggt atctctcgtc agcaaccaga tcaaggatct 1080
 gaagcaggtc tgcactggca aggacgtcat tagcctctag accggctggc ccaacgccgg 1140
 tagtgctaac ggcaaggcta ttcccgttca gtcccagcaa accactgccca tcaagtcctt 1200
 cgctcgagaag gttggcgatg tttccgtttt cttctcctac gccgatgacg gctggaagtc 1260

taagttcgct accagcgaca aatacaatg

1289

<210> 19814
<211> 1289
<212> DNA
<213> *Aspergillus nidulans*

<400> 19814

ccacctcatc ggaccgctgt ttctcgcgcc attctccgaa atgttcggtc gactgcgcat 60
ctatcagggtg ggcacgttga catttacgat ctgtaatatc gccggtgtct cgcccctaac 120
atcggcgcgcg tgctgggtctt tcgcctgttt gccgggattt ctgggagcag tccggtcaca 180
ctggggggcag gctctgttgc ggatatgttt gctcgacagg agcgtggagt cgccatgtcc 240
atctatgggc tgggccccct acttgaccct gtcgtcgggc cgatcgcagg tggatacctc 300
tctgaagcac agggctggcg ttagattttc tagctgctgg ccattgtggc tegtatcccc 360
ttcaatccgc ctctcctgtg cccaagctc actagtttac catcgtagtc cgggatcgcg 420
gtcattcttg ttttctctgt cctatctgaa tcctatgaac cagttctatt ggcacgaaaa 480
gcgaatcgca tcagacacga gactagatcc caggtgaacg ctgcacaagc cctaaagcca 540
gactcaagga aggtttccac ccaagcaata accagaccga cgaagcttct cctcttcacc 600
tcaaagtgcg ccttgttctc gctatacagg taagtagctc tccaatcttg ggtaagacac 660
gattgtaaca attgtttgtc aataatagga gtggtttctg gatacccta ctactcttc 720
accaccgtca ccgaattata cgaagccacc tattatttct ggcaaagtgc caccggattc 780
gtttccatcg gcattggcgt cggagccctc attggtatat ctgcttttg tgctctctcc 840
gacaaaatcc agaaccggct tattgcaaga aataacggcc aggcagagcc cgaatttoga 900
cttccgccac tcattccagg aagcctcctg atcccgatag gtctctttta gtacggctgg 960
tccgccaga tgcgggttca ttggatgatg cccatcatca gactgggctg ggttggtgt 1020
gggatgattg ccacccttct cccattcaa gcgtacctct ttgacgcttt tggcatatat 1080
gccgcctcgg ccatagcggc caatacagtg gtacgggtcca ttgtcggagc cttcttgccg 1140
cttgctggtc cttcaatgta tgctacacta gggttgggat gggggaatcc attgcttggg 1200
tctgtcgctt tggtttgta ccagtgccag cagtaatcta ctcttacggc aagaggatcc 1260
gcttgaaatc tcgctatcat gtggcggtg 1289

<210> 19815
 <211> 1290
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19815

```

catgccgcgg ctggacagta agtgactcag ccctgtgaac gacaagcatg gagattcccc 60
tggatcgact ggtttctcga tccaggcctg atctgtcact ttccccggat ttacaactat 120
ggaaggttga caataatttc ttttttctgt ggcagtgacg gtgttcggtg tacgctctcc 180
gggtccttca tcgcaaaacc atgtaccgct caagaaatcg ctttctatga atcaaccgcc 240
gcccacccca cctttcgga atttatccct acgtacattg gaacgttaag ttccgccgat 300
cagaaagagc ccgctgctgc cctcactgcc gcacgcttcg cagcaggag ctatcgtcac 360
cccgggctcc gatcactcaa cccccgcaga aactccggtc accagcgaac ctgtccgatt 420
gtccacatca accgctccga gtacgtctga agcagcatca gacgtaacat ggactccgtc 480
cacatctgct gggaaaaagc tggatacagg gttgtctata gtactagaaa atgtcgcgtc 540
tgggttcaag cggccgaatg ttctagacgt caagcttggg gcgagactct gggctgacga 600
tgctatcccc gcaaagcgag cgaaattgga tgcagtgtcc aaggagacga cgagctcttc 660
tcttgggttc cgtatcgag ggatgaaagt ttggaccggc gtcaatggcg aggccgatga 720
ggggagcaaa acaaaccctt atattacaag gtatcaacaa tcagcgggcg ccaaaggcga 780
agtgactgag ctggacggtt ataagcgta cgacaagtgg tatggtcggt ccctcactgc 840
cgagaacgtc agaagtggc tagaaacata tctcgcaggc gcaaagccg ctggaactga 900
tagatccaaa ttggtagcca gcagactggc ggctgggttg agacgctgc aacgggttct 960
tgaatccgaa gagagccgca tgtattcatc gagcgtgcta ataactctac aaggggacac 1020
agaggcaatg gagcttgccc tagaggagga acggaaggca aaagaagcac ctccacaaga 1080
ttcagatcag gcgatgagg acgaggatga ttttgggtgc ctcgagctcc aggatatagc 1140
caatttgccc gctggagaaa atggagccat aaacataacc attgacgcc agaccgctca 1200
gatgggcgat ccgatgaag aagaagacga tgaggagga ccgaaagtac atgatcttcg 1260
tctgatcgac tttgcgcatg ccagctggac 1290

```

<210> 19816

<211> 1291
 <212> DNA
 <213> Aspergillus nidulans

<400> 19816

```

cccaccgacg cctgcaaaag gaagcccggg cgtatatcga caccacata gcccatatt 60
gtgacgaatg ggaaaagaag ggttccgttc ctgtagaagt atgtactcaa cacactctga 120
agtccttgat aatatgcatt cctaacgttg cacaggtgta ccagcgccac gctgcgcttg 180
gatatacagc ggccacccca tttcccctag ccacggacta tctgcgtggc cagaagctcc 240
ctgcgggaat caaagccgaa gaatgggacg gcttccacga cttgattgtc atcgacgaga 300
ttgcgcgatg cggctatctt ggtgttatct gggcactggg atgtggcaat tcaattggcg 360
ggccgcctgt catcaacttt gggaatgaag agcaaaagaa ccgattcctg cccgatatgc 420
taagtgggaa gacacgattt tgtctgggtg ttacagagcc ggatggttcg tactcttata 480
tacgcatagt tttatgctgt gggctaattg ggacagctgg atccgatgtt gcgggcatca 540
ccacgaccgc agaacgccgc ggtgacaagt atatcgtgaa cggggcgaag aagtggatta 600
ccaacggtat ttttgcagat tattgtacag ctgctgtgcg gacaggaggc gagggatatc 660
ctgggggtgtc ggccctggtg attccactca atgcgtccgg cgtaacgcgc aggaagattg 720
acaactcggg tgtccttgcc agcggtatgc atgtagtcta catgtgcgag aactatcctg 780
aactgacgca ttcataaagg gtctacgtat atcgaatttg acgacgttga ggtgcccggtg 840
tccaaccttc tcggcgaaga aaacaaaggg tttcccatta tcatgaacag tatgcacctg 900
gactacccta ccaccagttg tcgtgcctga catggataga ctttaaccac gaacgtctct 960
ggcttgcttg tacatcgctg cggatggctc gcgtctgtgc ggaagatgct tatcgtcacg 1020
ccataacccg cgagacgttc ggtaagaagc ttatcgagaa ccaggtgatc cgggccaagt 1080
tcgcagcaat gggacgaagt ctcgactcag catatgcatg gatggagcaa ctcggtgtaca 1140
tggcggagac agcaaaggcc aatcacaccg acgcggcaat gggaggcctg tttgccaacc 1200
ttaaggtcct tgcgggacgg accctggaga tggtaaatag ggaagcccaa caggtcctcg 1260
ggggtctcgg gtactcgaag aacggccggg g                                     1291

```

<210> 19817
 <211> 1291
 <212> DNA

<213> Aspergillus nidulans

<400> 19817

caccgcccc aagctcgaaa agaagcccgt caaatcagc aacttgctct gtaagtatct 60
agttctatgc tcttctttac tcaggttctg acgcaattac tacagtgggc gctggattaa 120
acttgtttga gtaagtatcc aaaagtacat gaaaaaaaaac cgttgctgat agctcgatta 180
gggtcactac tttgggacag gtatattatc ttctgagcga ttgtgaattc cttttactga 240
cgccataatc atagccactg gaggtgatca agacaaccat ggctgcaaac cggggcgata 300
cttcgctggc gctatgggtc ggatatgggg tcgtggcggg atcctcggtt gtaagtatac 360
ccgcaatccg cacacccgca tatcccgagg tatggggtgg gtaaacaatct tcgggctaac 420
gcgtgtttgt cgcaaagatt accaaggtct cattccgtgg gcctggattg aggcctctac 480
gaagggtgct gtcctcttgt tcgtcgctc cgaggcgga ttccgtgcca aggtgctcgg 540
tgcgcccagc ttctcgccg gtatctccg gggtatggc ggtggtatcg ctcaagccta 600
tgcgactatg ggattctgca cctgcatgaa gacggttgaa attacaaagc ataagatggc 660
agctcagggg gtcaaaccac ccagcacctt cgctacgttc atggacatct accgcaaaga 720
aggaatcaga ggcattaacc gtggtgtgaa tgctgttgcc atccgtcaga cgactaactg 780
gggatctcga ttcggccttt ctgccttggc agagcaggct cttcgtaagg tgactggcaa 840
agacgagagc cagaagctca gcgctcttga aaagggtatc gcatcaggat tgggtggtgg 900
tctctctgcc tggaaccagc caattgaggt catccgcgtc gagatgcaga gcaagactga 960
ggaccccaac cgtccaaga accttacggg cggcaaggct ttcaaata tttacgatac 1020
aaacggcatc aagggtattat atcgtggtgt gacaccaga gttggtctgg gtatctggca 1080
gaccgtctgc atggtgggtc ttggtgacat gtaagttttc ccctgcctga tcaaagttta 1140
tgaatctggg gtctccatat cctgcacttt ttgccaattt catgtgatat gccgaggcgt 1200
aaaacaaggc taacctgtgg gtctccgctg caccgagtag ggccaaagag gcagtcgaaa 1260
aactgacggg cgacaaagtc accgogaagc a 1291

<210> 19818

<211> 1292

<212> DNA

<213> Aspergillus nidulans

<400> 19818

gctttcctcg cctgtgtgcc tgggggcttc ggcgccggtt tagagtcacc aatctcacc 60
aatactccga tgatcatcctt gatcgcttca gcaaaagcac atctctcgag tggttcgctt 120
cgagacgctt tactgtatct ggatgcagcg atctccggg atcccacaaa ctacctcact 180
gtcttcacgc gtggcgcggc ctacttatct ctgggacgcc gggcgcaagc ccaagatgat 240
tttgaccgtg ttctccagct gaaaccgaat tttagggcg ctcttctaca aagggtcgt 300
ctcagagtca atacggccga ctggctctggc gctttaaatg atcttgagaa ggccggaaag 360
aagaacacac ccgaatatga agaatttcag aatgcgcgag acgccaccat tcgagcactg 420
gatgcggaga agaaaggcgc atgggaagcc tgcgtgagtg aggcgaccac cgctatcgcg 480
aaggccagtg cgtctctcac cctacggcgg agccgggcac attgtcgctt cgaaaaaggc 540
gagctcgagg aaggaattag cgatcttaca catactttgc agatttcccc aggttaata 600
gacccgact tgcagatctc atctatgctc ttttactc tcggagatgt cgaacgagga 660
ctcttacaga tacgcaaagc cttacattca gatccggatt cgaaaccgtg caacaagctt 720
taccggcgag agaagcagct ggataaacgc ctccgaaat tgcaggatac tctagcagca 780
cggaagttta ataatgcttt gaattttctg gtaggtgctg acggtcagcc cggctctgtc 840
gatgatgttc gtggagatgt agggcaagcc aaagaggcgg ggtacatctt ttctgactcc 900
caaggtgtac tttatgcac cttggctcgag aaaacctgtg aagcatataa agaggtacgt 960
gagccatgaa agtaggagca gcatgtagac gtacagacct tgctaatttt cttttgataa 1020
ggcacatatg cccaaacgcg cgtccacgtt ctgctccgaa gcccttgcat tggacccccca 1080
ttctttgcca gcgctcttgt tcaatgctca acatgccctg gatgaggata gattcgagga 1140
tgctatccgt tacctcagca cggccaagga acatcacct caatcgaagg aggtccaaac 1200
tctctccaa aaggctatga tcttacagaa gcgttccaag caaaaggact actataaagt 1260
tctcgggtga tccaaagacg cggacgaaaa gg 1292

<210> 19819

<211> 1295

<212> DNA

<213> *Aspergillus nidulans*

<400> 19819

ccgttcatca tggcgctcga caactactac cgcaacaaga tcgagagcat gaagctcgag 60
 attattcaag ggcaagctgt actacgacga cttgaagcgc aacgcaatga ttataactcg 120
 cgggtgcgcc tactgcgaga ggaactaggc ctacttcaac agcctggctc ttacgttgga 180
 gaggtggtga aagtcacgag cacaagaaa gtcttggtga aagtacatcc agagggaaaa 240
 tatggtgaagc cacccttttg ctttctcca aactctctag cttggtggct tgggtgtaac 300
 taagtccaac agttgttgac atcgcgatg gcgttgacat tggcaagctg accgtcggca 360
 agcgtgttgc cctgctctca gattcataca aactggaaaa gatgctcccg tcactctgtg 420
 acccgctggt tttgctcatg atggtcgaaa aggttccga cagtacatat gatatgattg 480
 gtggcctcga ccagcaaatt aaggaaatca aggaggtcat tgaacttggc ttgaaacacc 540
 ccgagttggt cgagtctctg ggaattgcac aaccgaaggg agttcttctt tacggcccc 600
 ccggcaccgg aaagaccctc ctgcctcgag cggtggtcga tcatacggac tgcaggttta 660
 tccgtgttag cggatcagag cttgtacaga aatatattgg tgaaggtagc cgtatggtcc 720
 gtgaattatt cgtcatggcc cgagagcatg cgcttagcat cattttcatg gacgaaatcg 780
 acagcattgg gtccagccgg atagactccg cgggctcggg tgactcagaa gttcaacgta 840
 ccatgctgga gcttctcaat cagttagacg ggttcgaacc gacgaaaaac attaagatca 900
 ttatggctac aaatcgactc gatattctgg accctgcatt actgcgcccc ggaagaattg 960
 atcgcaagat cgagtttcca cctccatcgt aaggctatac ctttgtcgta tgagaaatgc 1020
 tgttactaac tgtcctctta cccacaacag tgtggaagct cgtgcggata tcctacggat 1080
 ccattctcgg tcgatgaact tgacgcgtgg gatcaatctt acgaagatcg ccgagaagat 1140
 gaacggatgc tcgggagccg aactgaaggg tgtatgtacg gaagccggga tgtacgcct 1200
 tcgagagcgg cgagtacatg ttactcaaga ggactttgac ttggccacgg ccaagattct 1260
 caacaaacat gacgacaagg aggtagctgt gtcga 1295

<210> 19820
 <211> 1295
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19820

tcaacggcga ccgtctatgg tatgtaggca actgtagatt agtcaagtca tggctgacgc 60

cgcgaggaa tgatattcac ttactgccc aatacagcgc tccatccccg ggaggggtga 120
 cccgattatg tgcagacgag aatgacaagt ttgcccggga ctgggtccga gaccaagtgc 180
 tgcagctggg tgcagagtac aaggccaatg cgacgggcag tcaattcgca gtattcggcg 240
 gcgaggacta taccgtgccca ccgattgccca tggggagcca tcttgacaca gtagccacag 300
 gcgggaagtt cgatggggcca ctcggggtat gttactaagt gaatactgta cggcatgaca 360
 aggctgaacg tctgaacagg ttctatcggg tctggaagtt atacgcagct tcaaagaaca 420
 gggcatcaag acacgtgccc ccctcgccct gattaactgg accaatgaag aagggtgcacg 480
 cttcttcccc cactggggt ctgcgaccgt ttacgcaggg cagacgggtg tagagcaggc 540
 gcatgcgtcc ctctccaatg atgggtcttg catcaccatg ggagacgggt taaggaagat 600
 cggctacgtc ggcgacggtc caaacacatt cgaggaatct cccatttcgg cccattttga 660
 agtccacgtt gagcaggcaa cggacttgga aaaggccggc aagccggtcg gctgggttga 720
 aggggtggcat gggataacct actatgaggt gaccttttcc ggcgaggacg gccatgccaa 780
 tacctaccca atgtacggac ggcgcgatgc attgactggc gcagcaaac tcattacgca 840
 gctcgaaaca ctggcatata caaaaaacgg atataccacg gtaaccaaca tccaaagcgg 900
 gccttggggg gcatgcaaca tccagtcgaa gacgaaggtt gtcttctgtc ttatgcacag 960
 agaaggagaa ggactggagg acatggggcg tgatattgtc cggccaatca agggcattgc 1020
 ctctctacat ggactggagt ataagttaag tcgaccagtc catcttttgc cgggcaactt 1080
 ctggccagag gccgttgact gtgttcgtcg agcttgccgt gataggggta tcggatcacg 1140
 cacgggcact ggccacgatt cgactatgac ccggctcaaa tgtccaacag cgatgatctt 1200
 cgtgcgagga aaggatggaa tcagccattg cgcgaaagaa tggagtgaca aggaggattg 1260
 tgaagaaggc gctctggtcc tcggcaaggc agtgc 1295

<210> 19821
 <211> 1295
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19821

tcaacggcga ccgtctatgg tatgtaggca actgtagatt agtcaagtca tggctgacgc 60
 cgcgaggaa tgatattcac ttactgccc aatacagcgc tccatccccg ggaggggtga 120

cccgattatg tgcagacgag aatgacaagt ttgcccggga ctgggtccga gaccaagtgc 180
 tgcagctggg tgcagagtac aaggtcaatg cgacgggcag tcaattcgca gtattcggcg 240
 gcgaggacta taccgtgcc a cgattgcc a tggggagcca tcttgacaca gtagccacag 300
 gcgggaagtt cgatgggcc a ctgggggtat gttactaagt gaatactgta cggcatgaca 360
 aggctgaacg tctgaacagg ttctatcggg tctggaagtt atacgcagct tcaaagaaca 420
 gggcatcaag acacgtgcc cctcgcctt gattaactgg accaatgaag aaggtgcacg 480
 cttcttcccc ccaactgggt cgtcgaccgt ttacgcaggg cagacgggtg tagagcaggc 540
 gcatgcgtcc ctctccaatg atggttctgg catcaccatg ggagacgggt taaggaagat 600
 cggctacgtc ggcgacggtc caaacacatt cgaggaattt cccatttcgg cccattttga 660
 agtccacgtt gagcaggcaa cggacttgga aaaggccggc aagccggtcg gctgggttga 720
 aggggtggcat gggataacct actatgaggt gaccttttcc ggcgaggacg gccatgccaa 780
 tacctacca atgtacggac ggcgcgatgc attgactggc gcagcaaac tcattacgca 840
 gctcgaaaca ctggcatata caaaaaacgg atataccacg gtaaccaaca tccaaagcgg 900
 gccttgggggt gcatgcaaca tccagtcgaa gacgaaggtt gtcttctgtc ttatgcacag 960
 agaaggagaa ggactggagg acatgggcgc tgatattgtc cggatcaatca agggcattgc 1020
 ctctctacat ggactggagt ataagttaag tcgaccagtc catcttttgc cgggcaactt 1080
 ctggccagag gccgttgact gtgttcgtcg agcttgccgt gataggggta tcggatcacg 1140
 cacgggcact ggccacgatt cgactatgac ccggctcaaa tgtccaacag cgatgatctt 1200
 cgtgcgagga aaggatggaa tcagccattg cgcgaaagaa tggagtgaca aggaggattg 1260
 tgaagaaggc gctctgggtcc tcggcaaggc agtgc 1295

<210> 19822
 <211> 1297
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19822

tggcgcacca agactccaag ctcttcacgc ctctcgccat caacaatggc aatatcactc 60
 ttaaacaccg cgtcgtccat gcgccactga ctcgcaatcg cgggtgtccc gagagtcccg 120
 tcagcactcc cgagaagccg aaccgggtct ggtaccctgg cgacctggtt gtcgaatact 180

accggcagcg agcgacggat ggcggttga tcatttcaga gggcatcccg ccctctctag 240
 aggcacgttc cagtactggg ctgcgatgc tccacggact atgctgacag tggctgatgc 300
 agagtaacgg catgcctggc gtccccggcc tgttcacccc gtctcagatc gccggctgga 360
 agcgcgctcg cgatgccgtc cactagaaaag gcggctacat ctacgcccac ctctggcacg 420
 ctggctcgtc cactgatccc caaatgaccg ggtcgccggc cgtttctgcg tctgcgaccg 480
 tttgggacga cccgacagag tgctactcgc accgcccgt cggcgcgacc gagcgcgctgc 540
 cgtactccgc acacctccc attgagctga cggtcgacca cataaagcgt accatcgccg 600
 actactgcgc ggcagccaag gcagccatgg aagcgggctt tgacgggggtt gaggtgcacg 660
 gtgggaatgg gtacctgcc gagcagttcc tcagctcgaa tatcaacaag cgaacagacg 720
 agtatggcgg gtcacccgag aagcgctgcc ggtttgtcct cgagctcatg gatgagctgg 780
 ccaagaccat tggcgaggag aacctggcga tccggctttc gccttttggt cttttcaatc 840
 aggcgcgcgg agagcagcgg atggagacct ggacgcatct gtgcaaggag ctgaagcgca 900
 cccacccgac tctctctat gtcagcttca ttgaaccggg actctccgct ttccattcta 960
 aggctccctt ggaagattgc catgactaac ctgcacagc gctacgaaca gatcttcagc 1020
 accgcccaga aagacgcctt cctatcgctc tggggccttt caaacgtcga cctcaccagt 1080
 ttccgtgaga tctttggcga cacacccttc ttctctgccg gcggctggga ccagaccaac 1140
 tcgtggggcg tgctggagtc cggccgggtac gacgcctgc tgtacgggcg gtacttcacc 1200
 agcaaccag atctggtgga gaggttgagg acgggcacgc cttttgcccc gtacgatcgt 1260
 agtagatttt atgggccgtt tgaggataac cggattt 1297

<210> 19823
 <211> 1297
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19823

tttttacttt tctttgtgcc gccaaactcg acgatcgctc tgaacagttt ggaaccaaag 60
 cctcggttgc tcccatcttc gccgcagagg ctgcaatgga aatgtcccgt gggcggatcc 120
 tgatgctatg gcagatgttt gatgccttgt aagtattctc tctctctctc tccatctctc 180
 tctgggtctg acctcgtgct aagatgagga cagcgggtatt atgctcgat tcgtgggttc 240

gttgatagcc cctgtgagct gggaggttca gcttggactt gccctgattc catcattagc 300
 ccagattctt gttgtattgc tatgtcctga atccccccgg ctctgatcc gtaacaaacg 360
 ctacggagag gcgtataaaa gcctgcggcg acttcgcagg ctggaacttc aggccgcgcg 420
 cgacctctat ttcattccact ttcagctgcg acaggaggctc aggtctgtacg atctggagca 480
 ggagatcgga agttctctct tcccgtacca ggactacgtg gaaaaaatag acagtttcaa 540
 gcgcatgctg taccttttca ctataccccg gaacagaagg gcatgtctcg ttgcctttct 600
 cgtcatgact tcccagcagc tatgcggtgt aagtagacga ggcggcgaaa tactgcactg 660
 cagctctggt taaccactg ttagatcaat gttctcgcgt actattcgtc tattgttttt 720
 gggaatgcag catccacgaa caagatagac ctactcagtt tcggttcgtc acctcttccc 780
 cttcacaagc tggttgatgt ctgaccacca cttcttgcta ggttttggag catcgaattt 840
 tgtcttcacc ctgttggcat tcgttctcat tgattcaaag ggcgcagat ttaccttttt 900
 gacatccttc ttctttatga cattcacctt gcttggagca agcttctgct tcaacattga 960
 acctgaagga agccgtgtcg cagcgggtcgt ggttaccttc attctcctat atacggcctc 1020
 atactcgatc ggcgcgggcc ctgttccatt cacgttaagc gcggaaatct tccctctagc 1080
 attccgaggt gagatacatc tgacctctt gtcttccac tacggcaact gataatgcca 1140
 tcgccactgt atcagaggctc gggatgagtt tcagtgtcat ggtgaacttc ctcggccttg 1200
 gtttgcttgt cctgttcgtc ccccgcatca cccgcagttg gtcgcctacc gaaaacgagc 1260
 gagtcggtca gcgtaatgtc ctgcttctat ttacgta 1297

<210> 19824
 <211> 1297
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19824

tttttacttt tctttgtgcc gccaatctg acgatcgtcc tgaacagttt ggaaccaaag 60
 cctcggttgc tcccatcttc gccgcagagg ctgcaatgga aatgtcccgt ggcgggatcc 120
 tgatgctatg gcagatgttt gatgccttgt aagtattctc tctctctctc tccatctctc 180
 tctgggtctg acctcgtgct aagatgagga cagcgggtatt atgctcggat tcgtggttgc 240
 gttgatagcc cctgtgagct gggaggttca gcttggactt gccctgattc catcattagc 300

ccagattctt gttgtattgc tatgtcctga atccccccgg ctctgatcc gtaacaaacg 360
ctacggagag gcgataaaaa gcctgcggcg acttcgcagg ctggaacttc aggcgcgcgcg 420
cgacctctat ttcattccact ttcagctgcg acaggaggtc aggcgtgtacg atctggagca 480
ggagatcgga agttcctcct tcccgtacca ggactacgtg gaaaaaatag acagtttcaa 540
gcgcatgctg taccttttca ctataccccg gaacagaagg gcatgtctcg ttgcctttct 600
cgtcatgact tcccagcagc tatgcggtgt aagtagacga ggcggcgaaa tactgcactg 660
cagctctggt taaccactg ttagatcaat gttctcgcgt actattcgtc tattgttttt 720
gggaatgcag catccacgaa caagatagac ctactcagtt tcggttcgtc acctcttccc 780
cttcacaagc tggttgatgt ctgaccacca cttcttgcta ggttttggag catcgaattt 840
tgtcttcacc ctggtggcat tcgttctcat tgattcaaag ggcgcgagat ttaccctttt 900
gacatccttc ttctttatga cattcaccct gcttgagca agcttctgct tcaacattga 960
acctgaagga agccgtgtcg cagcggtcgt ggttacctc attctcctat atacggcatc 1020
atactcgatc ggcgcgcggc ctgttccatt cacgttaagc gcggaaatct tccctctagc 1080
attccgaggt gagatacatc tgaccctctt gtcttccac tacggcaact gataatgcc 1140
tcgccactgt atcagaggtc gggatgagtt tcagtgtcat ggtgaacttc ctccgccttg 1200
gtttgcttgt cctgttcgtc cccgcacatc cccgcagttg gtcgcctacc gaaaacgagc 1260
gagtcggtca gcgtaatgtc ctgcttctat ttacgta 1297

<210> 19825
<211> 1298
<212> DNA
<213> *Aspergillus nidulans*

<400> 19825

ccatgggtctc tggcacgcaa aaccgctatt gttaccggcg gatcgcgagg catcggccga 60
gtatcgcaat ccattctaagc tgcaaggggc tcagcaagct ggcgatcaca tacatcagca 120
acctcgcagc agcggaatca acgctagacg aatgccgaaa aaacggactt gggatgggta 180
tcgcgattaa agccgacctc cttgatccaa acattggcca tgggtctcgtt cagcaagcgt 240
tagctggcct cgaaacacca accatcgaca ttcttgtaaa caacgcgcgc tatctcgatc 300
caagcgaggc ggcttctgtt gaagaactaa cgctccccgt cttccagaag gtgatgcagg 360

cgaacgcttt cgcgccaatt tctataatta gcgccacaat gcccacatctg cctgtctccg 420
 gtgggcgcgt tatcaatatt tccagcgcgg cagctaagtt ggcgaacca ggtcctgtta 480
 tgacttacgg cgcaagtaaa gccgcgttgg atagctttac tcgctctcta gctgccgaat 540
 tcgctacgga caaggcggcc acatttaata cggtttgtgt tgggccgact gttacagatg 600
 ggtttcatgt cgttggaag ttgtaccctg agggttttat ggaggagctg gcgaaggcgt 660
 tcactgcggc acagagagtt ggcatgcccc aagatattgc gttcattgtt gggttccttg 720
 cgggggagga ggcaagatgg gtgaatggg cgtgtatgag cgctaattgg gggtttcgcg 780
 aggttcttcc agctctaagt taggtctcgc ttgcattact tatgggctgc gttctatagc 840
 attgagtatt agagatgcgt cttttcaact gtcctatgta gtctcatcgt gcttggttaga 900
 ggtctgtttt tgagataccc cagcaatttc ggaagtgact cccgcatcta ggtagcgggc 960
 aagcgcgtgta gtgtccctaa caatcatgag cccatcggcc tggtagagag attagcctga 1020
 gaaacctgtt aagcacggat tccgttctac caataaggtc tcggccagca gcctgttcta 1080
 caccctaata cgtgctgctg cgtggcaaata caatcactca atttgccgtg aaggctgctga 1140
 atagtctggg atcattctca gggcctagac tttgggtgaag cagcaggctg ctagtagcta 1200
 ttccccgtga ttccatttca ggaaaaaaaa taaagagaca gatacggcac ataggttacg 1260
 gttagtagca gtagattag cgcggtcat acggctga 1298

<210> 19826
 <211> 1298
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19826

tcccgaagga gaggtatcag tccagtcgca gaatgctcag agtacgagta aggagagcgg 60
 tttggcatct aagagtgttg cggaggataa ggataagaag gctgtcgagg agccgaagaa 120
 ggagtcgaag aagttgacga ttgggcagaa gatcaagaag gagattcagc attattggga 180
 tggcactaaa ctcttgcta ccgaagtgcg gatcagctca cggctggcgt taaagatggc 240
 ggggtgggtat gagctcagcc gcaggagca tagacagggtt ggttctacat gacggcgttc 300
 tcgtatatat gctgacgggt tagcttaaac gtacggtaac ggatctcggc cggctgattc 360
 cattctccat gttcgtcatc attccatttg cggaactgct gtttcccggt gcactcaagc 420

tgttccccaa tctcctgccc agcacgtacg agggtaagtc tgcccgtgag aagaaggcgc 480
 tcagcctgag ctcgacccgg aaagaagtct ccacgttcct gaagaacacg ttgaaggaat 540
 ctggtctgcc cgtgacggcg gcaagcgtca agaacgatga atttgccgag ttcttcaaga 600
 agattagaag caccggcgag acccgcgcg ctgaagacgt catcaagggt tgcaagatct 660
 tcaaggatga tcttactctg gacaacttgt cccgacccca gcttggttgt atctgcaagt 720
 atatgaatct caacacattc ggcactgacg ccatgctccg gtacaacatt cgtcaccgca 780
 tgcgccagat caagegggac gaccgtgcta tcttttacga gggatttgac tctctttctg 840
 tgcccagatt gcagatggcc tgtgcctccc ggggtatccg tacacacggg gtctctcccg 900
 cccgcctccg cgatgatctc tctcaatggc ttgacctccg tctgaagcag ggcgttcctt 960
 cgactttact ggtcctcagc aacgcctatg tctacgcaca gggcggaag gaagcagaga 1020
 tgtcttctca gattgagtct ctccaggctg tctgtcgag tattcccgaa gaactcttcc 1080
 acgagattga gcttgagggt cacaatgccg aggggtgctgc cactaacaag cagcgtctcg 1140
 aggtcatcaa ggagcagcaa gagctcattg aagaggagaa ccagcagaac agcgagaacg 1200
 aagagaaggg tgttgccgcc cccaaggaca ccgagaatat cgatgaggac cacaataacg 1260
 agaccactca gtccggagag gcttccgagg cgatgcaa 1298

<210> 19827
 <211> 1298
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19827

ctcgatgagg cagaggcgct gacagaggcg accaacatcc ttttcctgga tgtttgggca 60
 tcaacaacgg agtttgtcga cattagactc gcgaaggaag ttgtacgtgc gaggccagcc 120
 cctgacggcc gcgatgctga cctctcaga taccttctt actcggtta ttgccgact 180
 cccttcagac tgectacgtg ccccttattg ataacctgcc ggaggctatc tctgctacat 240
 acccgcctcg ccggtccctt ggactcaatg accaatttat gcctagcccg tccactcgtg 300
 cgcccgatct tttctttgaa gactatcagc cgttgtcggg cattacacce tggatgcagc 360
 tgatggcgct catgttctct tcgcacgccc gaatgattaa cgttggcgct tcttacgagg 420
 gccgtcaaat cccgcctcta cgactgggac gcagttccca accgggcgaa tctcgtccaa 480

tgatttctcat agttggcgga aatcatgcg c gagaatggat tagtacgtct actgtcgcgt 540
 acattgcgta caatttgatg actaggtatg gatcatctgc cgccgtcacg agtttggttac 600
 aggactacga ttgggtcctg gttccaacgg tcaatccaga tggatacgtt tatacttggg 660
 attccgaccg tctttggcgc aagaaccgac agccaactag tttccgattc tgccttggtta 720
 ttgacttgga cgggtcatgg tcttttgaat gggacggcaa tcagacgcag acgaacccat 780
 gctccgagaa ttatgcggga gaagagccgt ttgaaggcgt tgaggcaca cagctggcgg 840
 aatgggcact caacgaaaca gagcataata acgcgcgatt tgtcggcttc cttgacttcc 900
 actcctacgc acagcaaata ctctatccgt atacatattc ctgctcatca gtcccaccaa 960
 ccttggaag cctagaggag ctggcctcg gcctggctaa agtcatccgg ctaacaacac 1020
 acgagattta cgatgtcacc tctgcatgcg aaggtgtcgt aataccggcc agtggtgaca 1080
 agtcggcaaa gagcctcttc cctgtaggag gtagttctgg cggcagcgga cttgactggg 1140
 tctatcatca gcttgaacc cgctatgcct accagatcaa gctgcgcgat cgcggcagct 1200
 acgggttctt cttgccgtct gaatacatag tccccacagg aacggaagct tttaacgccg 1260
 ttctcaaact cggccaattt cttacagaac aggattat 1298

<210> 19828
 <211> 1301
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19828

cgggcaggaa gcatcgcaag atgagctcct ttgctaagct ctgcacgaag aacaactaca 60
 aaaacagtgt gaccaaggag aataatgaaa agaattattgc gccgccgcgg aagaatgaaa 120
 agcaccaaca gaagcaacac acaaggccaa ttgtgccgtt tcgcagaaaag gatcgtattc 180
 tattagttgg agagggttaag ttcacgcttc cctgattctg gctgtctgag atagtccaag 240
 aagtatacac gaatggactc aggagccgc aagcaagcac ctaagagttc tgcgaaacta 300
 caccagcgcg gccgattcgc cctaagctta agattgatgt atactcatca acccgacgca 360
 cgcttgtcta gtcttcgtgt ccctaagcag cctagacctg acgaggctcc ttatcaagaa 420
 cccttatata tcgttcctat atcccaccta agacgtctca agtacggtga tactaacgca 480
 caaaccacgt ccaggcgact tctccttcgc gcactcccta gccacgtacc accgctgcaa 540

acacctacta gcaacatgct atgactccca agaaacactc ttcgctaaat acccacaagc 600
 ggagaagaaa attgccgaga tcattagctt aaagactaag aaccagctga aatcggggaag 660
 gttaggacaa tgatgccgcc aatcctcaga gtttaatagg cccaaaagtg ctgttctccg 720
 tcgatgctaa gaaacttggg tctgcgacgg gagggcgag ggacgtccga actgggtttt 780
 cgaggcaaga gcggaaggaa cctgtctgga agaaacacga tgggaataag agaagtacta 840
 ggtctgcgaa agctactgaa gataccgcga gcaataaggg caaggggtacg ggcaaggaaa 900
 aggggtgggccc gtgggacatg atctgtttca atttcccgca tgtaggtggc ctttcgacag 960
 atgtgaatcg gcaagttagg gcgaatcagg agctacttgt tgcattcttc aaggcgtgtg 1020
 ttccgttact ggcagagcgg cctgaggagc tcggcgatga tgctgaggtg gatgacgatt 1080
 gggagttcga gacagatgtg gaagatgaat ctgaggaaag tgatggcgat tatgatgaag 1140
 agaacggcat tgtcaaggcg aaagacgagc gtaggacgga gcccggccag gtattagtta 1200
 cgttgtttga aggggaacct tacaccctat ggaatattag ggacctcgca cgacacgctg 1260
 gattaagggc cgtgacgagc ttcaaattcc cctgggcgtg c 1301

<210> 19829
 <211> 1302
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19829

accgcgacga tgccttggac gccatcgccg ccactgtcgg ctccgataat ggctcagtcg 60
 ctcccttccc aattccggag ttaagatcg gaacccttga cgctcttgta cagcaagcgg 120
 acgagttagc caaactagag gctgcgtgtc aggggtgtcgt cagcaagggt ggcgatgcgt 180
 tgaagaatat cctagaaggt gacgaggcgc agattgagaa gatgaagacc gtcaacgata 240
 gtatggaata caccttttcc ctgatttggt gggttatgggt aagttgacga aaaatagagc 300
 ccgtggacca gtacctccga acgttctcat ggaataaagt caaataccgc gccgacaagt 360
 cgctatcgga gctaattgat ctattacaaa aggttagttt cgtgaaatgg atgcccgcga 420
 tgagctaact cgtcaaagga agccgtgagt atcgatagtg accttcgatc gaaatactcc 480
 cagtacaatc agatcaagaa tacattggcc actcttcagc gaaaacaaac gtgaaatctc 540
 ccaactacgg ttccggaagc tcaactaact tgaccagcgg aaacctatcc acaaagtccc 600

ttgcctccgt cgttgacccc cgcgccctcg ttcgggactc cgaatacatt gagacacatc 660
 tcgttgctgt tccagcgcag caagtgaaag acttcctcaa gacctacgag actgtatcgc 720
 ccatgggttg cccccgatcc gcgaacttgg tcgcctccga tgacgagttc accctatatg 780
 ccgtgacaac attccgcaaa catagcaccg agttcgtcca caaatgtcgc gagcagaaat 840
 ggattcctcg cgattttaag tacgtggaag gcgggaagga agaggagcgt cggaagtcg 900
 agcgggtagg cggcgacgag cgtaagctgt ggggtgagac actgcgactg gggcggactt 960
 catggagcga ggcagtcatg gtatgggtgc atgttctcgt cctccgcgta tttgtcgaga 1020
 ccgtactccg ctacggcctc ccgctggact ttgtctgcac gcttatcaag gtaggtacca 1080
 caatatgctc gaagagtcaa gactaattcc tggcagacac caagctcaaa acacgctgat 1140
 aaagcaaaga agaaccttga cgagaaatac tcatacctag ccgggaatgc attcggacgg 1200
 gacaagaagg gccgggtcaa gaaggatgac cccaatgaga tgcattggcat tgaagggtgg 1260
 ggtgctgact acacggccta tgtgtattac gattttgaat tc 1302

<210> 19830
 <211> 1304
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19830

ggaaagaggg agggaagggg aggtgtgccg ctcaaggctg tggttatgag tgctacggct 60
 gatatggaga gtctacaaga attttttgtg gagggataca aagctcggga attgcagaag 120
 gaagagaagt cagagaaaga tggatatgca gtgtgtcata tcaagggccg tcagtttccg 180
 gtcaagacga tatattcgcc ggaacccgtg catgactttg ttgatgctgc cctaaaggtc 240
 attttccaga tccactataa agaaccgatt ccaggcgaca ttctgggtctt cctcacggga 300
 caggagacgg ttgaagcggt ggaaaatctg gtcaacgagt atgccacagg gatggaccct 360
 tcattaccga agatacaagt tctcccactt tttgcagcgc ttccccaagc agctcagcag 420
 cgagtctttg tccctgcgcc gccacgcacc cgcaagatca ttttggctac gaatattgct 480
 gaaacttctg tgactgtatc tgggtgtcgc tatgtcgtgg attgtggaaa ggcaaagatc 540
 aagcagttcc ggaccgggct tggattggac tcgctgcttg ttaagcctat ctcgaaatcc 600
 gctgctatcc agcgcaaggg tcgtgctgga agagaagcgc ctggccagtg ctaccgacta 660

tatacagaaa aagactacct ggcaactagat gaggtcaata cgccggagat tctacggtgt 720
gacctcagcc aggcgatact caacatgaag gctcgagggg tcgacaatgt cattgagttc 780
ccattcctga cacggcctcc acgagaagct ctagagaagg cgctcctcca attactgagt 840
atcgaggccc tcgatgaaac cggcaagatc agtgagaccg ggtcgcacat cgccaaactt 900
ccgctcaccc cgacgttagg cggggtgtta cttgccgcgt ccgactttgg accggattgt 960
ctgactgacg ttattgatat tatatcgtgt ctgagtgtgg agaacadatt tctaaacacc 1020
acgtcagaag agaagaaaga agcggccgag gcagctcgcc gcgatctata cagacgagaa 1080
ggcgaccatc ttacgatgct agcgacagta cgggcctacg catcggagaa cactgaccgg 1140
aaggcatggg ctgagcgaca tctgggtctg catcgggcga tgcagtccgt catggtaagt 1200
ttgctgcctt acctagatac catgtctcta agcaaccctc acggctaata ttcgggtcct 1260
taggacgtcc gcaagcaact gacggctcaa tgccgacagg ccaa 1304

<210> 19831
<211> 1304
<212> DNA
<213> *Aspergillus nidulans*
<400> 19831

gcctccggag gcattggtca ggcattgcata cctaccttct caacatctgt cgatatttga 60
tgcaattctg accgacgttt ccagcctcta tcccttttgc tcaaggcatc cccctttatt 120
gacgagctcg ccttttacga tgttgtcaac acccccggtg ttgccgctga cctctccac 180
attttttctg ttgctgtacg tcacgcctac atagaagcag taatctaatt gactaactca 240
aagacagaaa atctcaggtt acctgccccaa ggaagatggc ctgaaaaacg ccttgactgg 300
cactgacatt gtcgttatcc cagctggaat tctcgtcag tacaatatga tttattggtc 360
tatatctcca caatattagt ggcaactaat ttgtctgggt tttaggtaag cctggatatga 420
ctcgtgatga ccttttcaag atcaacgctg gcattgtccg tgaccttgtc aagggcattg 480
ccgaatacag cccaaggct ttcattctga tcatttcaaa ccccgtaac tccaccgtac 540
ccattgctgc cgaaatcctc aaagccgctg gcgtctttga cccggcgcgt ctctttggcg 600
ttacaacttt agatgttgct cgcgagaaa ccttcacca ggagttctcc ggccagaagg 660
accatccgc agtgactgtc cctgttggtg gtggtcactc cggcgaaact attgtcccc 720

tcttcagcaa ggtttctcct gccttcagca ttccggcaga caaatacgat gcgcttgtca 780
 accgtgggta ttctgtataa agtctaagca ataatgttac gtcttactga tcttcgtata 840
 ggcgtccagt tcggtggcga cgaggctcgc aaagccaagg acggcgccgg ctctgccacc 900
 ctttccatgg ctttcgctgg cttcaggtct ggcacccctgt gtgttttggg ccgccgcttt 960
 taatgctaac tcctatacag gtttgcagag agcgtgatca aagcctcaa gggccagtct 1020
 ggcattgtcg agccaagcta cgtctaccta ccagggtgtgc ctggtggcgc ggatattgcc 1080
 aaggctaccg gcgttaactt tttctcgact cctgtcgaac ttggagttag tatttggaat 1140
 tgaggctcct aggtgtctga attaatgcta acaacacaat agccgaatgg tgttcaaaag 1200
 gccataaaca ttctcgacgg tattacagat gctgagaaaa agctccttga tacggctatc 1260
 aagggtctca agggcaacat tgacaagggc gtgaattcg ctca 1304

<210> 19832
 <211> 1306
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19832

aagccagggc cgtcttgtct atatattgca gcatatatgt ccctgcgagg agcggcagga 60
 ggatgaggtc gaccttgcgc acgagggctt tgttgcgaac ctcatcggca aggaagccct 120
 ctaggtcatt gtttgtgata ttgtgttgtc tcagaaagag ccggccttca tcgaggtcac 180
 tgacagtgc agtcccgcact tggatgtctt tgtcagggca acttccgttg gggggagcct 240
 tttcatccat gattgagtaa tgggttttga aatggaaaca tgaccggaca ggcctatat 300
 atggatgggc gactactatc caatatctcc agcatccctg acaaaccag atagctggcc 360
 gacaggacga gatatgcca tcgtcgggtat caagccgaac actgataaat gataaatcca 420
 tgcgattgtt ttccgatatt gcgggggtgc tgttactcca aactctgaag actccaacac 480
 gctttccgag cacgtcagcg ctctattgga ggataagtag agctcgctgt ccttgtcgct 540
 ttttctgct tagaggaatg cctattgact attcactatg gcacggcctt cagtcacgct 600
 tccccagggc aaagtgtcga gaatccgact cgaatacaaa ttcccacagc ctgtcgacgc 660
 ctttttaggt attccctatg ctgcacctcc tgttggcgac ttgcgcttca gacctgctga 720
 aaggttcccc aattcaactg aaattattga cgcttccaat tatgggtccc cgcctccagg 780

aaaagccctg ttaccaggag gcccggcgct caggcaaagc gaagactgcc taagcgtgaa 840
 cattttccgg ccgtcgaagt caaacttggc tgagaaactt ccagtggcta tttatgtaca 900
 tggggggcga tacaaccggg gttcagcagc gatgcataaa actgcgtaa tggtagcttg 960
 gtcagaggag ccgtttatcg cagtcacttt cggctaccgt ctggggggcg tgggatttct 1020
 gccgtctagt gtttcgaaga aggagggact gctaaatctc gggttgcgcg atcagtcatt 1080
 cctgtttcaa tgggtgcagg aaaatattgc tctgtttgga ggagatcctg ggacagtcac 1140
 tctgtttggt ctttctgctg gtgcccattc ggtacggtag caccatgtt ttgagctcga 1200
 acgacactaa tagaaggtag attggacatc atctgctcaa ctatgatggc cacaaaactc 1260
 cgctctttca ccgtgtcatc ctggaatctg gttcgccgac atcgcg 1306

<210> 19833
 <211> 1311
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19833
 cgatcatctgt ccgagacgct caattcaccg gtctgtctga cccggcctgc cctcttgccc 60
 ccttttgaag agcagacagc ggatgaccgg atcaaagctc gaacagtgga tgagatcctc 120
 gcagctcccg aaattgcgga cgttgctgac gcacctctgc ctgccctaac cccgtcttcg 180
 accgatatgc ttgccctcat gctgacctcc gggagcagcg ggcaacgcaa aagctgtccc 240
 tctgacctat caacagctcc ttgcccctt caggggcaag tccaccgagg ccagcctccg 300
 cttccccgcg agcccgttcc tctcctgggt gcacatggac cacgtcgcca atctagtcca 360
 ctgccatatc ttgccatcg tgtccggcat atcacagatt caagtccttg ctccggatct 420
 tctcatcaac ccggtcagc ttcttaacct gataagcaga caccgctct cgcgcacggt 480
 catgccgaac ttctctgag ccaagttgag gcgacagctg gagtcgggga gtccagagta 540
 tatcctggac cccggcctca accttgagac gctctatatt gataccggtg gtgaggcgaa 600
 cgtcacagag gtttgtattg cactccaatc cctcctcagc cggtagggg ctcgccgaaa 660
 cgttttcaag cctccttcg gtatgaccga aaccgtggcc ggatgtatct tcaactcgca 720
 ctgccaagc tatgatcacg cccagcgcca tgagttcgcc tgtctcgga aaccgatgcc 780
 tggagtgcga atgcgggtga caccgcttga cactccgagc gaagaggcag cccccggtga 840

gcgcggcagc ctccaagtaa ccggggaagt tgtctttaa ggttactaca ataatcctgc 900
 cgccacagca gaggcgttca ccagcgatgg atgggtccgg acgggggatc tggcgttcat 960
 tgacagcaac ggcaatctgc acctcgacgg gcgcacgaag gagatgatca acatcaatgg 1020
 agtcaaatac ctcccgtagc aactggatgc tgctctcgag caggcgcaga tcccaggcgc 1080
 aacacctagt tactttctgca cggttcagcag ccgcgatgca accatggata ccgaggtcgt 1140
 ggttgtgctc taccttccat cttatgtgga gagcgatgac gaagccaggt tcagcacgca 1200
 aagcagcatc atccgtgtcg tggccatgca caccgggtcc cggccgcgcg tagtgccgct 1260
 gcgtccgcag gatatgcaa agagcacgct gggaaaactg tcgcgcgcaa a 1311

<210> 19834
 <211> 1311
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19834

tggcgtgccg cgtttctgaa cttgccgcca gcaaaagttg cttccctgga ttgttccagc 60
 ctattctcag acgcattaca tcggccgttc tattgcgcgc acatatccct tgaaccgtac 120
 gcatccaaca taccagctag gaaccaaatt actcggctac caaacctctc tgccgaagag 180
 ttcgaggaga agtgggtctga caccgcttcc atctcacag aaccagtga ggaatggcct 240
 gcatatcacc agtgggtcggg tgagacgctc cttccgaagc atggagagac gctcttccga 300
 gcagaggcag tcgactggcc tctgcggaca tacgtggact atatggagaa taactcggac 360
 gagagccctc tatatctctt cgataaggaa tttgtctcga agatgagtct acgggttgga 420
 ccgccacatc aggaaccagg aacaacgtat tggccgcgcg catgcttcgg tgaagacttc 480
 ttttcggtgc tgggtaata tagaccgat cgacaatggc tgatcatagg tcctgagcgg 540
 tccggaagca cttttcaca ggacccgaat gccactagcg cctggaatgc ggttattcgt 600
 ggttccaagt actggatcat gttcccctcg tcatccaaac ttccgcctcc gcccggtgct 660
 tacgtctcgg aggaccaaag cgaagtaact tctccgctta gtatcgcgga gtggcttttg 720
 ggcttccatg ccgaggcccg ccgcacacca ggctgcattg agggaatttg ccggaagga 780
 gaaatcttgc atgtacctc cgatgggtgg catctggttg ttaacctgga gcctgccatc 840
 gcgattacac agaacttcat tcctcgagcc cacttgactg ccgcgttgga ttttctctcc 900

aacaaagcag accaggtatc tgggttccgg aaggacatta acaatccgta cgaacggttt 960
gtggctagaa tgcgacagtc gcatccggaa ctctgcaaa aagctcttgg agaactcaaa 1020
aagaaggccg aacgcaagaa gcgcaaatgg gacgaaatag tccatggcaa aacaggcacg 1080
gatgatgtaa cgctgactcc gaggcgggtg cattcagctt cggatttggg ggtgatgaca 1140
gtgacgcgga agttccttga acaaagcctt catatattat atgcaatgac tgtactaatt 1200
taggctttcg cccacctata ccaatgtcgg aacaagaaat gcaaataat gccatcgact 1260
caatgacaag cgaccgactt tgtcgcggac atgttctccc cgaacgccag a 1311

<210> 19835
<211> 1313
<212> DNA
<213> *Aspergillus nidulans*

<400> 19835

gggacgcaac gtaattgcga caactcgtag tcgtcgtca cagggcagcg cagagtgagg 60
agtagccgct cccaaagatg aaaactccct ggaattgact gtcacttaga cctcctcgac 120
ttcacaacac ccgaacgtgt ccgatacac ctatcttctc tatcgacacc caacttcgag 180
acgagttata cactcggtag cgtcgggcta atcgagggtt ccatttcata cctatacagc 240
aatatatcat tcgacaatac gccaaagtaa agcgtcttaa ttccccctcg caagcttgct 300
cctggctata gacaagtaca agcgcctatc gcgccccggg ttgaatcttg gaattgggac 360
tcaatactag acggcaccaa tgccgggaat tatggctatg gacagagctc aaagggccag 420
aaggcgagcg tacttcatgc aactttgcat ctgccgccac caacgactct caacgcgctt 480
ttcttgcgac gcatttcgcc gactatgcag ctctcacttg ccgtctctc aacaagggga 540
cctccattat caaaatccgc gccacaggct acactcctga cccaactcac ccacgacacc 600
ggaaaatata gtaatgagta tctgttcagt acggataatt cctcttttgg ctggcgcgga 660
ctatggaact ttggtcctga tccccgggtt aataacaacg cgcaacggtt atccctgcta 720
tcggctgggtg cagaggccta ttattctccc gtatcatcat taataggcat gtcgaccggc 780
ctcaggttct gcactttacc agcggccact tcatcgagcg ccaaccccaa tacaccaatt 840
tctaccttcc catataccct aacactcaca ctactccgt tgaccggatc gctctcaacg 900
tcctactccg tacgggcttc tcccaatctt tccttcagct cccgtttcgg cttcaacgct 960

tacagctggg aaagcgaaat ggtggcaggg ttcgaactct ggcgacagtc aagaaaggcc 1020
gccatagtag acaacgatgg ccttgaatgg gctcgcaata aggctcgcat ctgggacatt 1080
ccggcttctt cccaggtgcc agaaccaatc acgcctagcg aagaagaaac ccaagaatca 1140
gtccttaagg tccgagttga tcagtcttgg aatgtacgcc ttctctggga aggccgagtt 1200
aaggagctcc ttgtgagcgc tgggtgcggg cttggaccga gttcgttctc accttctcgc 1260
tatgcaaatt ctcaagctac ggcaggtgcg caggggagca gtggaggccc tcc 1313

<210> 19836
<211> 1317
<212> DNA
<213> *Aspergillus nidulans*

<400> 19836

tcgacgccct tgatccccac cctcatcgcc tctgccctcg cctcgatccg cagcgagatg 60
gacacactta tgctgcgctg cagtatgtcc cccgcgattc gagagcagca ggatgaattc 120
aatgtgatca ctacggccga gggcaagatg ctcgtcggcc aatttggcag ttttattacg 180
cagttcctgc gagcgtggaa aggcaccatt gaagaaggcg atatgtttat cactaatgat 240
acatacatga ttgaaggcgc tgtgacgcac ttgaatgacg tgattgtcct cctgcccac 300
ttccacgagc acagactgct cgggtggggc tgcagtttg gacaccttac tgacgttgga 360
ggtattgttc caggcagtat gtctatcaat gcaacgtctg tcttcgacga cggcgtccag 420
atcccttgta tcaagctgta ctgaaggga gtcatgaact cggaccttgt tgacctgcta 480
tgccgtaact cgcgccagcc tgactggtac cggtcgacc tgatggcaat cattactgcg 540
tgccgcacag ctgctagtcg agtctgcgag ctggccacac gattcgggaag cgagatatac 600
ctcggggcct gcaatgagct cctcctgcgc aaccgcgtcg ccatggccaa gatcattgac 660
accgacttcg accccgagcc gacgacattc accgactttg tcgatgacga tggccacggc 720
gttggaccct gggcactcac ctgcacaacg aagaaattcc caggtggccg cctcctcttt 780
gactggagcg gaacttcccc tcagagcgac cacagcatca acttctacct ctgagagacc 840
atgttcaaga tgttcatcgg ctactacatg atcgctgctg cagcccctgg gacagtgatc 900
aacgacgggt tccacgacct gatcgatgtg tacatccccg aggggagcat tctcaagccc 960
gtcaggccgg cccaatctc ctgccgaacg catatgctcg gccgtacaat ggacgtcatg 1020

caagcactca tcgcgaagaa gaacccgggtt tatgcggccg ccgcaggctt cagcgactct 1080
ccgcacttct ttactcggg ctacaagccc gacggcgagt ggtaccagtt gtaccagatt 1140
ggctttggcg gtgttccgc gcgacaggcc ggcgacgggc ttgactgtca ctgccttttc 1200
cccgtatca agtccatccc gacagaaatc attgagctga attaccctct tcgcattgag 1260
gcgaatgaga gtgtccctga tagcggaggg ccggggttct tccgtggtgg gaacgcg 1317

<210> 19837
<211> 1318
<212> DNA
<213> Aspergillus nidulans
<400> 19837

gcttctgtgc tgcgtgggcta tgcctccgcc gaggttcaca agctcaagct caacaagggt 60
ccccttacag agcagttcgt gagtatatga gctcaatcat cttacgatat gatgtttggt 120
tatggctgtg actgattcat tcagatcacg cgcaacattg ccgaccatgc aaatgcccta 180
ggccagaagt acatgggcca gttccagcag catgtacttg aggacgagcc agtcaacgcc 240
atgcgcggtc acgatgtgct ggtcgacaat ttcatgaacg cccagtgtat gttcttagga 300
ctctgcgtgg ctgagtgata ctgattcttg ctagacttct ccgaaatcca gctcggtagc 360
ccccctcaga ccttcaaagt tgtccttgac acaggtagct ccaacctatg ggtgccatcg 420
tcagagtgtg gctctatcgc ttgttacctg caccagaagt tcgactcttc tgcctcgtcc 480
acatacaaga agaattgtag tgaatttgcc atcaagtacg gatccggcag cttgagcgga 540
ttcgtgtcca gggacaacct gcagattggc gacttgaagg ttaagggaca agacttcgcc 600
gaggctacca gtgagcccg gttggctttt gcatttgccc gttttgacgg tatccttggc 660
ctcggatttg acaccatctc cgtcaacagg atcgtccctc cgttttataa catgatccac 720
cagggctctg tcgatgagcc ggtctttgct ttctaccttg gtgatgcaa caaggatggc 780
gacagctccg ttgccacctt tgggtggtatt gacaaggatc attacgagg cgagctgac 840
aagattcccc ttcgccgcaa ggcctactgg gaggttgacc ttgacgccat tgctcttggc 900
gatgaggttg ctgagctcga gaacactggg gtcacccctg acaccggtac ctctctaatt 960
gctcttctt ccaacctcgc tgagatgatg tgagtaatat cattgccgtt tcacgcgac 1020
tctagatact gacattgaca tctaaaagta acaccgagat cgggtgccaca aagggtttca 1080

ctggccagta taccattgac tgcgccaagc gegactctct tcttgacctc actttttactc 1140
 tgaccggcca caacttcacc attggtcctt atgactacac cctcgaggtc cagggttcct 1200
 gcatcagtgc cttcatgggc atggacttcc ccgagccagt tggccctctt gctatcctcg 1260
 gtgacgcctt tctacgcaag tggtagacgc tatatgacct tggcaacggt gccgttgg 1318

<210> 19838
 <211> 1319
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19838

tcacctcaca gcaggccacg agaccagcgc tgtcgttctg acatacctta tgtgggaact 60
 ctcccaacat atagaagtac agaaagacct tcacaaggag cttcttacac tacaaccaag 120
 gatagctcct cgttgtctgt ctggtcatgc cgagttgccg tcgccgaaat ccattgactc 180
 gctacctttt ctagaggcaa tactcacaga aactttacga ctccacgctt caattccagg 240
 catacaacct cgagttacac cgacgccgac atgcacgctt gttgggtatg acaatatacc 300
 cccgaatacc agagtaaacg cacaggccta ttctcttcat cgaaatccgg aggtatttcc 360
 agaccctgag acatgggagc cgaagcgatg gctcaaagac tgcaataaac cttccgaact 420
 ggaggaaaga aagcgatggt tttgggcgtt cgggagcggg ggacggatgt gtgtgggaag 480
 taatctggct ttacaaggta ggtagagtt cttaatgagc aaagaaagcg ctttaaccac 540
 ccaacagaga tgaagttggt catcgccgcc atctatacaa acttccgaac cactatcgtc 600
 aacgatgacg gtatagaagc aattgatgct tacacggtca aaccgaaggg agaaaaattg 660
 attctcaggt ttgagtatat atagatcaac ttaggtgtcc atatgcccgg ttctagccag 720
 cttcactacc gttgcactta ggacgcactc agttcaaacg attctagaac tcggtctgca 780
 gccaaaatca aactacatat acccagttgg agcaacctag agagtaaadc tttgccttga 840
 aaatgaaata atatacaaac agtatgtata cagaaggcaa tgtcaaagaa aattcgccca 900
 tgcaaaccat aaaaactcca taaagtatca tccctgtcaa atcccactct agcaggacgc 960
 aatagtacag ccaccgatca ccgttgtgta gcgcatatcg cacgcactcg agaattgtatc 1020
 acatttctta gatagagaca ttgaccaggc actgtccagc aaacgatgta tatctcccca 1080
 togagcactt tacgtcttct tcttcttcgg acccacaacc ttaggatata ttcgcatgag 1140

gtgatagttg atggcggttcc tcttcgtgcc cgtagttttc tggataaaaag tggagtatta 1200
gcatatagtc tggagtccat ctggcgaaac aggagctaag agcctcgaat acgccagctc 1260
attgaagtga aatgacttgt ggaggagaga aaagatacgc acatgtgtgt ccatacact 1319

<210> 19839
<211> 1319
<212> DNA
<213> Aspergillus nidulans
<400> 19839

tcaaaacact ccccttttgc gatatccatg ttccatctcc cggcttcggg gctatgggtc 60
tgagtttcgg gttgggctca aacctcagct tggagaggc agagcccgtg ctgctgaagg 120
ccatcgagct gggatgtaca ttctgggata ccgctgtaag ctgactcgag tcaactgaaac 180
taggacggat tctgatcgga agggaaggtt gtttaccaag ccggtataaa cgagaagctt 240
cttggcgcat tcatcaaaaa gcataacgtt cgcgataaag tgtttggtta aatcccctct 300
ttttttgcga attgaggctt ctctctatgt accaagttaa caccaacacc agtcgcctct 360
aagtgtggct tcgatgtctt tggcaaggc gccgtcacca actctgctac ccatattaag 420
gagtacatcg agggaacct taaacgcctt gatttcacgc ctgatctcta ctatctccac 480
cggattgacc ctagtacgcc atagaccgga ataaatggcc attgaagcac tcatctaacc 540
ataatgtaac agatacgcct ctcgaagagt caatcccggc cctggatgag atccgcaagg 600
ccggaaagac caagtacatt ggcctctctg aatgctcagc tgcgacctg cgaaaggcga 660
actcaagtat gcacccctca aacgtccac cttggcttct tgggtgctgac tggtttgtga 720
tagtcgccag aatcgacgcc atacaagctg aatactccac cttcgaaacc atccatgaaa 780
cagacggtct tatcgacaca gcaaaggagc taggcatcgc ctacattgcc tacagtccgc 840
taggccacgg ctggctcgtc gataacttcg actacaagac acctgacgat tttgcgccgg 900
atgatttccg acggaggagt acgttacgaa acacctaata ccgacacctg cccaaaagga 960
actcatcaac taacggataa acttgtgtag gcccgaagt tcaaggcgag aacttctaca 1020
aaaaccgtgc catagtcgag gagaccaaga agcttgcgct gaagaagggt gtctcgatct 1080
cgcagattgc gcttgcttgg gtgcgccgc aggggatgat tgcaattccg gggacgacca 1140
aggcgaagcg tttagaagag aactgggcct ccaggagat tgagtttagt ggggaagagt 1200

ggaaggagat gaggaggatt attgacgctg caaaacctgc gggcaatcgg tatgggccgg 1260
 agcaccaggc ttggtgggg cattgatatg tttattcctg tgctagttagg ttacatctt 1319

<210> 19840
 <211> 1321
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19840

ccggaatcgc ctgtatatcc cagacaatga tgatttaaag gcaaaactaa cctgcttagc 60
 ccatgataaa ccaacatctg gacatcctgg gagagcatgc acatacgaac tcctagcccg 120
 agaatattat tggccgaaca tgtattaata tgtgagtcaa tggataaaaa actgtcatac 180
 ctgtcagaga atcacaccct cttataaggc gcggcaaggg atattgcggc ccctgcctgt 240
 ccctgaacat gcctggcaag atatctccat ggactttatt acccatctgc ctaccagcca 300
 aggctttgat tccatcctgg ttgttggtga cagtctaacc aaaatgaggc acctaattgc 360
 ctgtcaagcc acaataaatg ctgaaggagt tgctcacctc tatacacaac atgtgtggag 420
 acttcatggc ctcccccgga caatcacttc tgaccgtggg cccagtttg tcgctgagtt 480
 ctggaaacac ctaaataaac acctggatat ccagagccta ttatcaaccg cctttcaccc 540
 agagactaat ggtcaaactg aatgggtaaa tgcaatgctg gaacaatacc tgcaagctta 600
 tattacctac ctgcaagata actggtctac ctggttacca ctagccgagt ttgctctcaa 660
 tgctacctat tccgaagcta tcagaacatc cctgttcttt gccaaactaca ggtttcaccc 720
 acgtatgggc ttcgaacctg tccctgttcc tgactgtcca gctagccaag atgctgagaa 780
 cttcgcccag aagatgcaag ctatatctga ctatgtccga tcccagatga cctccgctca 840
 agcccgttat gaagaacaat caaacaagac ccgtcaacct gcccgacaat ataaggccgg 900
 tcagcgtgtg tggttggatg cccgcaacat ccgtaccgtc cgcccaagca agaagcttga 960
 ttggaagtgc ctgggaccgt ttactataaa aaggatgac aatgcacacg cttacgagct 1020
 cgacctacca gccagtatgc ggatacaccg ggtattcaat gtgagcctac ttcgcccagc 1080
 cgccgacaat cctgtgcccc gtcaaagagc tgatccccca ccacccatcg aagtgggaagg 1140
 tcttgaacat tgggaggttg agagcatctt agattcgcg cgggagcggc gaggccgagg 1200
 aggccctcgt ctgaagtata ctgttaaatg ggttggatat gacgatccta cagaggagcc 1260

tgccgagtag ttgaccacag ccaaacagct cgtacagaac ttccaccgcc gatatccgca 1320

t 1321

<210> 19841

<211> 1321

<212> DNA

<213> *Aspergillus nidulans*

<400> 19841

tcatgtcagt ttccaccggt ttgcaaacag atatacttca aagctaacta atcgagacc 60

attgccgcac ttcttgtgct ccaattccca acaccctctt ccgctttttg cgccatggcc 120

aatgccctta accgtccctt acccggttga tttatgacca tggaccatgg agccatcggt 180

cgaactttct cgctagcgct tgcacactt cgctacaagt tccctcgtct ggccactcat 240

ctatatgaaa ctctgcgact atccgacgaa gagattttcg aaagcatggt ccggtcactg 300

cttaccaacg gctcgcactt ggagcgctc agccgtgtct gggattgttg ggtctttgaa 360

ggtgatcgca tatttattcg cgtgcggtt gcaatccttg gctgcctaca gacgcagctg 420

tttggtttta ctgagccaga tgaccaaagt cgtttggcag tgaaaaacat tcttgcggtg 480

ggaccacag atatcggaac caaacccaag gaacgtcgaa gcgcacccgc agtcctata 540

gctggctttg cgggaggtct catcggagcc gctgccggcc attactggat tctgacatct 600

gcaggtgatg aagatggatt cataagtga atgcgcgagg cgggcaaggt tcaaccacgg 660

gcctagcact atatacactt gttcaagcag cagtcgtttc cataaatagc atagtatgaa 720

gcattcttat tcaagtacca caagcagctg agtcgtggg gtcgttccca ggctcattat 780

caaggaccca actgtgcaat aacatcgtga ttatcaacta gttctttaca gtcacaagcg 840

ctgtgtaa atcgatagtc tttacagtgg ctatggataa aacctcgctt ttcccgtagc 900

tgtcacttat atccgtcttc aacccagca gatgtcaggt ttggagtagt tgggggcata 960

gatgcagaga gtaagtggat taagctctgt tcacttgtac tcgtactcgt atacagtagg 1020

cttggcattt gcttatttat tgcagtattg attactcagt cgcactgtga catgacatca 1080

ctattatcga taagcagtat cacatgacct tgatcgctc gccggccgag gcaaactaaa 1140

cgtgactaga agggcctgtt tgaaaagttt cagtgtaaac atcgtgaagc tgatccaccc 1200

gcagagacag agcaatcgca aaatgacggg tctaccacgc atcagccac cggaatcat 1260

tccccaattg tacatatattg cgtgcgacct tgggcagagc tgcttccggg ggacccgaaa 1320

a

1321

<210> 19842
<211> 1323
<212> DNA
<213> *Aspergillus nidulans*

<400> 19842

gttgccagaa tgatcatgtt gggatatcaag atgactggca aggttccttt caaggaggtc 60
tactgtcatt cccttattcg tgattctgaa ggtcgcaaaa tgtcaaagtc tttgggcaat 120
gtcatcgatc ctttggatgt tatggagggt atcaagcttg aggacctcca tgccaagctt 180
ctcgtgggta accttgctga gaaggagggt gctaccgcta cgaagtatca aaagaaggcg 240
tttccaaagg gcattcctga gtgcggtgct gatgctcttc ggttctccct tgtgtcctac 300
actaccggtg gtaagttcag tgacactgtt ttggcactgc gtatgattct aattgtctgt 360
tgaaggcggc gatatcgcat ttgacatcca ggtcattcac gggtagcgta agttctgtaa 420
caagatttac caggctacca agtacgttct tggaaagctt ggtgatgatt tcaagccgct 480
gccgaccccg acaaagactg gcaaggaatc tctttctgaa cgctggattc tgcacaaatt 540
caacgccgcc gctaaggagg tgaacatagc cctggaggat cgccaattct cccatgctgc 600
ttccactgtt taccagtact ggtacagcca gctctgtgac gtgttcattg agaactccaa 660
atctctccta gcccctgagc taccacaaga agtgcaggaa tctgccaaagc agactcttta 720
caccgctctg gaaggcgctc tcactatgat ccacctatt atgccattta tcaccgaaga 780
gctatggcag cgtctgccgc gccgtcctgg cgacaacact atctcgatca tgaaggccaa 840
gtttcccgag tacaaggctg aatttgacga ctctacagcc gaaactgctt atgagcttat 900
cctgaacacg tccaaggcca ttcgttcgat cctcgctcaa tacgacgtca agactaaagg 960
cgatgttata gttcaaactc acgatgcaac cagtcacaag actgtttccg atgagcttca 1020
tattgtcaag tctcttggcg gtaagactct tggatgaactc agtgtgtctg gacccgagaa 1080
caccacgcct ccgtcaggct gtgtcggtgc tcctgttggc tcacaagcgg ctgtctacct 1140
tcgtgtgtct aaggaagttg cccttgaaca agaagagaag ggcaaggcca gcttgaagaa 1200
ggcgcaggaa accgtccgtc gccagactac tttgatcaac agcgccgggt ggaaagagaa 1260

ggcaaagcct gaagtgcgtg agcaggaaga gaagaaactc cgggatgccg aaagcgaggt 1320
tgc 1323

<210> 19843
<211> 1324
<212> DNA
<213> *Aspergillus nidulans*
<400> 19843

cgctctgggg ttcggctatg gagtggtcgc agctcccact ctaaagcaag ccgaacgccg 60
atccttcaag gttgagactg tccgccggag caacactatc tacgggccag ctgctctacg 120
aaaggcctat gtcaagtacg gcattgttgc tgcggacatc ggactcgacc tagatgactt 180
tgaaccacgc gttaagggtg ctgctgcggc cgatactgac gcggaagtcg ctgagcccg 240
cttgaccggg gctgtcagtg ccaaactctgt cgaggggagat gcgtcttttg tttcgccat 300
taccattggg ggccaggaac tcaccatcac ctttgacacg ggttcgtctg atgtgtatgt 360
gctacggttc tttccccacg ctcgatagtg ctaatcaagt ttccagatgg gtggtgaaca 420
cactgctccc caaagactct attgaagggc aaacggcctt tgacccatca aagtccacta 480
cgtacaagaa aatgacaggg tcgaccttta acatcactta cggagacgac tcgtatgcgt 540
acgggtcccg tggaactgat acaatcaatg tgggaggggt cacagtgaca ggtcaagcaa 600
ttggccttcc tactgcagtt gcctcatcta tctcgaaga caccacagc aacggcctgg 660
tgggactggg tttcagctca ctcaacaccg tcaagccac acagcaaaag tccttttttg 720
aaacaatcgc cggcgtcctg gacgagcctg tcctcagcgc atctcttggt agtgatggag 780
tcggcgagta cgagtttggc actgtcgaca agtccaagta caaaggcaac ctggtcaatg 840
caaccgttga ttcttcgggt ggattctgga aattcgagtc ttcatactac cgtgttgagg 900
acggcacggt gaagaagcac gacgacgcaa cttggacaat cgccgatacg ggaacctcgc 960
tcatgctcct cgagcagacc gtcgtagatg agtactatgc acaggtgcga ggcgcgcagt 1020
acgcaaccag cgctcaggc tacatctacc cctgcagcgc cgagttgccc aacctctcca 1080
tcgccatcgg cctcagcat ctggcgacag tacctggtaa tttgattaat ttctcggaag 1140
ttggcaccaa caccaccacc ggggaagctg gtatgtgaca atcttttttc tagagattaa 1200
tatatcgcta atatttccgc agtctgctac ggaggtgtcc agtccaactc ggtcttgac 1260

atgcaaattc taggcgatgc tttcctgaaa gccttctatg ttgtctttga cctgcgtggc 1320
ccgt 1324

<210> 19844
<211> 1327
<212> DNA
<213> *Aspergillus nidulans*
<400> 19844

gtcttcatca acaacttcac cactatcgat gcacttcaat ccagcgatcg gatctgggat 60
ctgcggacca atgtcctcga agggccgaat gtcaaacact ttcagctcct gtctacggca 120
gagtactgga gcgacctggg agaagcagtt cactcaagga agcacgccgg cttcaacact 180
tccatcaccg actactgggg acgggcgctc tcgtaccagt tcattaacgc gtcagacggc 240
gggcccagct acacttgggt gtccattgct ttgatggata actttaagaa cggccagggtc 300
ccgtgcccc ttctcgtagc cgacggccgg aatccagggg aattggtggt cgggtcgaac 360
tcgacagtgt atgagtttag ccogtgggag tttggcactt ttgaccggc catctatgcc 420
tttgccccac tcgaatatct cggctccgac ttacggcgga atggatcctg tgtgagggga 480
ttcgataatg ccgggttcgt tatgggcacc tcgtctagcc tcttcaatca ggggtactc 540
cgctgaata gcacgtctat ccccgagacc ttaagaagg cgctcgctc gatccttgaa 600
gcagttgggc aggcaaacga agatatcgcc agctaccgga atcccttcaa gggctatcag 660
ggcagcaccg cggccatttc agccatcagc gagtcaaca tcgttgacgg cggcgaagac 720
ggccaaaaca tcccctttca cccactcatt cagccggcca gacaggtaga cgtcatcttc 780
gcgatcgact cgacggccaa cattcacaac tggccgaatg ggaagagcct ggttcggacg 840
tacgagcgca gcctgaactc gaccggcggt ggcaatggga cggctctccc aacgatccca 900
gacaccaaca cttcataaa tctgggcttg aatcagcggc cgactttctt cggatgcgat 960
gcgaagaatc tgaccggccc tgcaccgttg atcgtctacc ttcccaatgc accgtacacg 1020
cacatgtcga atacctccac atttgacctg agctacagct atgccgaccg cgacgccatg 1080
atcctaaacg ggtacaatgt cgccacacgc ggaaacggaa cagtggatag gcagtggcct 1140
gcgtgcgtgg ggtgcgcgat tcttagccgg tctgcgaata ggacggggac ctgcgtgccc 1200
gatgcttgca cgcagtgctt tcagaactac tgctggaatg gcacaattga tagtcgccag 1260

ccacaagatt atgcgctgc actcatgac aagacgagtg cagcggggac gatcaggcct 1320
 tgggggt 1327

<210> 19845
 <211> 1327
 <212> DNA
 <213> Aspergillus nidulans
 <400> 19845

tccgccaga atgtagcca tctcgtggcc ggccgagtc ttagcggctc ctctggtgcg 60
 tcagtttctc gtgtgaatgt cgtctaaaac tctaaccgca gattagtcgg tgtgacttct 120
 tccaagtat gtgtttacct ggcggaactg gcccagccc gtatccgagg acggattgtg 180
 ggaatccagc aatgggagat cggtaagact gctagccttc tcccctactt ctcttctcgt 240
 gtactcgact gatgggtcca gaatggggta tccttataat gtacctgac tcgtggggct 300
 gcggcaaagg catcgctgga cctccgcct tccgagtcgc ctgggggtgc caagccgtcc 360
 ctggtctcgt cttgttcctc gcgttatttt tcttccccga gtctccgagg tggctggcca 420
 gtcgtgaacg ctgggaagaa gcacttgatg ttcttgccgc cctccacgga aagggaacc 480
 gcaacgatcc agtcgtccag gtcgagtttg aggaagtaa agagcgtgcg cgtctcgag 540
 ctgaagccaa ggacgtctct ttctttgctc tttttggccc gcgcactctg aagcgaacc 600
 tgtgtggcgt cagttgccag gtctggcagc agttgcttgg cgggaatgtg gccatgtact 660
 acgttgtttg gatcttccag atggctggaa tggtaatgcg cccacgcacg ccgacccgcc 720
 tctgctgggg accgttctaa cacgacctag agcggcgaca cctccctcta ctctccatc 780
 attcagtacg tgatcttctg cgccacaacc ggcgtcatcc tcccctacat cgatcgcatc 840
 ggacgccgtc tccttctcgt ctggggcgcc attatctgca tgatcatcca ctacgccatt 900
 gcggccgtga tggctacacg cggcaaccgc gtcgatgaaa tcaatggcaa cgcctcgtc 960
 aagtgggaaa tcaccggcgc gagcggcaaa gccgtcatcg ccatgtcgta catcttcgtc 1020
 ggcgctctacg gtctaacctg ggcccctgca gcctggatct acgcgtccga agtgttccca 1080
 ctaaagtacc gagccaaggg tgtcggattg agtgccgcg gcaactggat cttcaacttt 1140
 gcgctggcgt actttgttgc acctgcgttc acgaatatcc agtggaagac atacattatc 1200
 ttcggtgtct tctgcacggt catgaccttc catgttttct tcatgtatcc cgagacagcg 1260

cagcgaagtc ttgaagagat cgatcttatg ttcgacaccc atgtgaaacc gtggcagacg 1320
gcgaaac 1327

<210> 19846
<211> 1327
<212> DNA
<213> Aspergillus nidulans
<400> 19846

caagtccatc acgtccctca accctgcgga cgggtgctgcg ctccctgagc agaacttgac 60
tcccaatgaa attgttaaca tocaattcac ctccggcacc accgccatgc ccaaggcagc 120
ctgtetaagc caccgctcca tectgaacaa tggcgcccag atcggcgacc gcatgcgcct 180
ctcgccagcc gacacagtct gctgtccgcc gccctcttt cactgtttcg gctccgtcct 240
gggtacatg gctacagcga cgcattgggtc ggccattgtt tccccgcag aagcttttaa 300
tgccagggac accctacgcg ccgtccagga agaacagtgc acagccctct acggtgtgcc 360
aacaatgttt ctgaagagc tggggctcct ggaatcaggc cagggtccac acaagggatt 420
tgaatatctc cgtaccggca tagcggcagg aagcagtatc cccgctgaac tgatgaaaaa 480
gcttcacaag acgttgaatc taacggaact gacaatctgt tatggcatga cggagacgag 540
tcccggtgtc gcaatgacaa cgacagatga cccaattgat aagagaatca ataccgtcgg 600
acgtctgatg ccgcatgttg aggcgaaggt cgttgatccg ctcgaccgta acaagattct 660
ccctataaat tctcgcggtg aactcgccgt gtctggatac ctgcttatga aaggatactg 720
gggtgatccg gagaagacgg cggaggtgat gctgaaggat aaagacggga aggtttggat 780
gcatgtatgt ctttccatca cccgatccac ctgctcaaaa gacctaacc accgggacgta 840
tctagaccgg cgacgaagca actatttcgc cagacggcta cgtcaccata accgggcgta 900
ttaaagacct gattatccgt ggcggcgaga acatacaccc acttgaaatt gagaactgtc 960
tcttgacctt ccccggtgtc gcggtatgtc ctgttggtggg ggtccccgac gccattatg 1020
gcgaggctgt ggcggctttt gtgatatgga aacaggcgca tcagaatacg gaagagcagg 1080
cagagacggg agagaagctg aggaagtttg taaggagaa actgagtgcg catcttggtg 1140
ggtcgctatt tttctttctt ctgatcttca ggacgctggg tttgattcgg gcggtgctga 1200
tacttttgcg catagtgcg aagtatatat tcttcctcga gccgacggat tcattcccga 1260

agacggcaag tgggaagatc cagaaattta agcttaagga gacagcgatc aagcttttgg 1320
gtgggca 1327

<210> 19847
<211> 1329
<212> DNA
<213> Aspergillus nidulans

<400> 19847

tgagccaaac aaagagtggc caaccttcta cgctgctggc ccagagatcc acaagtattg 60
gaagcatgta tcagccaaat atggctgcga aaagtacatc aagttcaagc atagagttgt 120
tagcgcaacg tgggacaatg accgaagcaa gtggacactg caggtgcgga gtgtctccgt 180
agtaggctca atacattgct aatatctgag tatagggtcaa aaatctcgat agtggcgagg 240
tcattgagga tcaatgtgat gtggtgggtg cagctagcgg cgctctgaac gaatggaaat 300
ggcccagtat cccgggtctc catgacttta aaggaaaatt gatgcacagt gcgaactggg 360
acgagagcta tgattacagc gtaagatgcg tccatctctg cagcgtccgt atactaattg 420
cttgggcagg gcaagagagt tgctgtcatc ggaaacgggt ccagcgggat acagattgtc 480
cctggaatgc tgccggaagt gacccatctc gatcactaca tcagaggccg cacttggctc 540
tctccacct ttgcgcgtga gcaggtcgac aagcgtagtg cagaactcga gaactgtgag 600
tatccaacct cccggatcgg ttcccgctga caatcgcaa gtcgcattca cccagagga 660
gattgagaca ttcaaaaagg accattcagc ttatcagaaa ttcaggaaag gtaggagaga 720
agctcagaaa cggatgactt tcgacagctg ctgatgatct gcagaaatcg agacggagtt 780
gcagtcggta cacggctgca ccattgtagg ctgccagaa caaattggag cgacggcttt 840
cttcaccgag aatatgaagc gccggctcag aaagaagccg gagctcatca acgatcttct 900
gccaacattc gcccctgcct gccgtcggct gactcccggg cccgggtacc tcgaggctct 960
cacggacgat aaagtcgacg tcatttcaaa cccaattgtc aagatcgttg aagacggcat 1020
cgtcacggaa gacggacaac atcatccaac cgacgttatc gtctgcgcta ctgggttcga 1080
caccactttc accccgcggt tccctatcgt cggcaaggac ggagtgtctt tggcgaagcg 1140
atgggaggca acaccgaga actatctctc cctcgccgtg gacgggttcc ccaattacta 1200
tatctgcctg ggtcctaatt cagcgttggg cgagggcaac ctgctcctcc tgattgagaa 1260

ggagatcgac tacatcacct actgtcttgc taagatgcaa cgggacaata tccgtgcaat 1320
gagcgtgcg 1329

<210> 19848
<211> 1331
<212> DNA
<213> Aspergillus nidulans

<400> 19848

cactggacaa gcattattct gatgatttct ttaatctttg ggggctgctg tgcgaatgtg 60
ggtagataga gatcactttt gcaagatata tcactaattt tctaatacaag ggatttgccc 120
ttgaggcaat agtaaagtga gtctgagtag actagactgt ggaattacag attcgctaata 180
ctaattgcaga gatcaaccag attcaggtat ataattccac ttctttgacc ctgaaggagg 240
ttctgattat ccgtttgtca ggtccattaa taacatttgc tcagttcatt ctgactgcgc 300
tttttatgtt accaaacttc atttcccat cagcgggctt ccgatcattc ttctcagcc 360
agcgtcaat accattaaga tcatgggttaa ttacacggc ttcttctggtt acggttaatc 420
ttcttaacaa ttgggcattt gcgtaccgga ttccagtgc tctgcatatt atactgagat 480
ccggtggacc agtcgcttca attgctgttg gttatcttta tgctggtaaa agatattcaa 540
ggggacagat tctatcagtc gcgctgctta ctttcggagt cgtcacttct gcattagcag 600
atgcgcaggc gaaaggagaa gcggtacaat ttgggggtag tggaagctct aacatataca 660
gcacgtttat cggctttgct attcttgctg ttggcgatgct gctttctgca tttcaaggga 720
tatatgcaga tcggctgtat gaaacctttg ggcgagacca ttggaaagaa gctctgttct 780
attctcatat gctctcttta ccactcttct ttctactttt tcccagactt ttaactcagt 840
ggcgacacatt gaattcgtct ccttcattgc tataccatat ccgagccctg ttgaatccga 900
tgggacaccc aaccgaattg cccgcctctg acgagacggc cggcgcaagc aactcttggtg 960
caatctccac aagcaacca gccgaagcct tctccaact gctggtgact tgccgtgtat 1020
atgaaggatt ccagcctatc ttgggtatga ttcccgta ggtattctat ttactagcaa 1080
atgccttgac gcaatattgg tgtatacgcg gagtgcattc tctctccgcg aaatcgctgt 1140
cattaactgt gacgattgtt ttgaacattc gaaagcttgt ttgctcctg ttgtccattc 1200
acctttttgg caatgccctt tcaaaagggtg ttgtcatggg ggctatactt gtgtttgtgg 1260

gaggaagcct gtatggcttc gaggggtgcgc ggctaaggag ggcagctcag aagaaagatt 1320
gattaggtcg a 1331

<210> 19849
<211> 1332
<212> DNA
<213> Aspergillus nidulans
<400> 19849

accgcaaata cgcccagcat caacatgaag gcatcatcgc gcggccatcg ggctaccggg 60
tatcatggca cgcaaaccct gcggtagaac tgcatactt cggccagtcg caccaatga 120
agccatggcg cctcacactc accaaacaac ttgtgctcgc ctacggcatg catcatgcga 180
tggacctata ccaactgtcg gccgcaactg ttgaagagct cagcgacttc cacacatccg 240
attacctgga ctttttgcag acagtgggtgc caggtgacat gaatgacgcg caagcgtcca 300
aggatttcag cgaaaacatc gtccgcttca attttggcga cgattgcccc atcttcgacg 360
gcctattcca atactgctcg ctgtacgcgg gagcctcgct cgacgccgcc cgcaagctct 420
gcaacaatca ggcagatata gcaatcaact ggtctggcgg gctgcatcac gccaaaaagg 480
ccgaggccag cggctttctg tacgtaaata atattgtgct tgcgatactg cagctcctcc 540
gcataacccc gcgcgttatg tacatcgata ttgacgtcca tcacggcgac ggtgttgagc 600
aagccttctg gtctaccgac cgcgtcctca cagtttcggt tcataaatat gacaaggaga 660
actttttccc gggcacaggg cccttagata gtacagggcc aacacacccg ctcaaccag 720
gcgctcatca cgcagtcaat gtacccctcc acgacggcat cgacgacgaa tcttatgtcc 780
agctcttcaa ggacgttgta ggtgcctgtg tcagcaagtt ccgaccggcc gctattgtcc 840
tccagtgcgg cgccgactcg ttgggctgcg acagacttgg ctgcttcaac ttgaatgtgg 900
ccgcacacgg cgctgcgtc gcgtacacaa agacattcgg actacctatg ctcgtcgtcg 960
gcggcgggcg ctacaccccg cgcaacgtct cagcagcctg ggcgacgaa acctccatac 1020
taatcgacgc ccaagacaaa atcaaccccg ttattccgtc caatgttgca tttcggaacc 1080
atttcggccc ggacttctcg ctgtttccgc cgctgtcgga gatgcgcaag ctcgaaaaca 1140
agaactcgcg cgcttacttg gcgacaattg tgcagacgat cacggagcag ctgaggtatt 1200
tgcaggcggc gccgagcgtg cagatgtctg tgattccgcc ggatctatta gggctcaggg 1260

aggaaacgga gaaagaaatc gaggaggaga ttgcgaagtt ggaagagaaa agggaggagg 1320
ccgaaggtgg ga 1332

<210> 19850
<211> 1333
<212> DNA
<213> Aspergillus nidulans
<400> 19850

tgccggtctt ggagggttgg gggcagccat tgccctcaac cgggccggcc acgatgttct 60
tgtgcgtcag atggcgctca tccaagcagt caaattgagc taatagttga ccctctaggt 120
cttcgagcag tcccgatttc tgcataaagt tggagcggca atccatgtgg cccccaacgc 180
ttctcgcatc ttacaatcgt gggaggtgga catggaagcc ctgcaggcgg ttgaatgcat 240
cgcaatcaag gtctgggatg cacaggggaa cttcatctca acgactgcgg ttggtttcat 300
tgtcatctat cattgccgat ccccgctacac gaggctgata tgtgcggagc acaggcggcc 360
caagactacc ggagcatctc aacctctctg atgcctggtt gctgacccat cgggtggacc 420
tgcataacgc gctgcgcgtt ggggccgcaa aggaagtcaa tggccggcga gttcagattc 480
ggctggcttc tcgtgtcggc actgtggctg gttacgttgc gggccctgca tttttacagt 540
agctgatccc aagcccagga cgccgaagct ggagcagtca catttgagga cggatcggta 600
tacaccgccg atctggtgat aggagcagat ggaatgcacg tatggtatcc tatccgtaat 660
tatacacctc tcctgctgac aactgaggca gtcaagaacc gtcagggccg tcattggaac 720
agacaaaaac aaacaaagca cagggcagag ctgcttcagg tgtctcatcc ccgtttgcaa 780
gctgcgcaat aattcgttga cttcaccact tcttgacaaa atcgggctgg acgcgacgat 840
tgtcttcacc agccccgacc gacggctggt catgtaccct tgtcgtgcgg gttcgttctt 900
gaacttggct ggcattccatc catcagacgc gatggccaga accgagtact catcgtggct 960
tgactccgga agcctggaag atatgctagc aacgtatcga gatttctgcc ctgaactgca 1020
agaattgtgc cgccaggccg aggatgtcaa gttatggagc ctggcatcgc gccagcccc 1080
gccgacattc gtgaagggca agctggcctt gctgggacgc actgcccacg cgacccttcc 1140
acgtaagtca gtcctgaacc gcgtgtcaac gccattctca ccagtgaaga ccagggccag 1200
ggcggcgcac aatcaatcga ggatggcgcg gctcttgggg ccattttcgc ccagatacg 1260

accccggttc aagtgcccaa actgcttgca gtctacaata agacacgcta cgaccattcg 1320
atcactgtca tga 1333

<210> 19851
<211> 1335
<212> DNA
<213> *Aspergillus nidulans*

<400> 19851

cccggccaga gttcctcatc atccggagca ggtcgaccgt ttcctccaca ccaacttccg 60
aacgcccact cttcaggaac aatggcccat tgtgagcggg cctccaggcc catcatccaa 120
tgcctttcga aatcctcaat tagaggcata tccagcgtcc agctgcagac gcgcgccttc 180
cagaccacag ctgctgtcca ggaggaagcc cagaccgaag cgaagagcca gcccttctac 240
aaagcgcccg acccagctct tgtgtcaagc ccgcgtttgg agcgaagggt gatgcgccag 300
ggtattctac cgatcgggtc tcgtcgacgt cgtgccgctg tgcaaacaac agacagtttg 360
cctttcgaac agctaccata tcaatgtctc caggaggcac ggaagggtct gattgcggac 420
cgggaggaga agttgaagga aattgcaaca accagtgaga agatcgctaa gattcaggcg 480
ctgccggaag aagagcaaac aaaacactcc acctatgtc gactgcgcgc gctggaggta 540
catcttgata gacttaaggt tctcgcggac atcaatgacc cctcgtgaa gaagaagttt 600
gaggatgggc agggtaagtt gctgcggcct tcgtcctagt aaccaacata ctgactgtgt 660
aggtgacatg agcaaacct tctaccgcta cctcgccgat cagaaatgga gagagtatcg 720
ccgcaagatt ctcgttcaac gaattacca gatgaaggtc attcctgatg tccttcccca 780
ttgcgacccg atagtcgaca ctaaactgta cttcgccga aaagctgtac cacctggaga 840
gtttgtaaac tctcaggta gcagtgtccc tccaaactc gacatccagg tattcgacgg 900
tgaaaacagg ctggttaacaa ttgcgctcgt ggattcggat gttccaacg tcgaaaagga 960
cagcttcgac tatatgatgc actaccttgc cgtcaacatc ccaatctctg ctctgaacac 1020
caaggttgac ctctctcagc tgtcgacgga gtctcagggt gttctacctt ggcttcccc 1080
tgttgctcag aagggcagcc cgtaccaccg cttgtccctt ttcgtcatgg agcagaaaga 1140
caacaagcct ttggactttg cgccgtcaa ggccaaggag actgaccgcc ttaacaagct 1200
tctccgact ttacaagcac ggtaccacct caagcccatt ggagcgcacc tgttccgaac 1260

aatctgggat gacgacaccc gcgatgtcat gaaggagatt ggcttccctc ttgcagacat 1320
 ggaactccgg cgcaa 1335

<210> 19852
 <211> 1338
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19852

ggcggagggg caaagacgtt cgttttcttc ttcttgctaa gcgtccttcc tgtcctgggtg 60
 gcgttttggg cgtacgcctc gactttcagc ccgcgcacca atgagaaggt gaagcttccg 120
 ggccgtccgg ttgagcacta catcaccttc aagcgtgaag aggacaaggc gaaatggcat 180
 ggcaagaaca agatccccat gcagaccttt gcggaaatgt acctcgacgg ccttggtgat 240
 ttcaatggcg acactctcga tgttatggag taccgccacg attgggcaa cttttcgttt 300
 acctgggacc tgttcaagtt tattgttggc actttctttg tcgacgttct cttccacacc 360
 aaggctcaag atgaggagca ggtgcgtcct aactatgaca gtggaatga tcactacgct 420
 tggttccttg gaccccgat gatctacaca tccggcatca tctcggaccc cgaaaaggag 480
 gagacgctgg aggaaatgca ggacaacaag atggctattg tttgcgaaa gatcgggtctt 540
 aaggaaggcg agaccatgct cgacatcggc tgcggctggg gcaactctagc tagattcgcc 600
 agtctgaact atggcgctaa agtcactgga ctcaccattg ccgagaacca gacagcctgg 660
 ggaaatgacg ctctccgcaa ggctggcatt cctgaggagc agagcaagat tctctgcatg 720
 gactaccgcg acgcccccg caccaagttt gacaagatta cgcagctcga aatgggagaa 780
 cacgttggta tccgcagact caccggcttt ttccgccagt gctatgatat gctcaaggat 840
 gatggcgcca tgtacgttca gctttccggc ctccgacagg cgtggcagta cgaagacttc 900
 atctgggggtt tgtatctcaa caagtacatt ttccgcggcg cggacgcttc gactccactg 960
 tggattacg tcaagtgtt ggagcaggcc gggtttgagg tcaaggggtg agtatcttgt 1020
 ttctcgtcag tgaaaaata ctgatagggg atagaatcga tactgtgggt gttcactact 1080
 ccggtaccct ctggcgctgg taccgtaact gggttggtaa cgttgaggca atcaaggcca 1140
 agtacggccc taggtggtac agggtgagtt tggaatctct ttgatttcac gatgtcacga 1200
 attcatgctg actgttgaca gatctgggaa ctgttcctcg cttgggtccgt catcgctctt 1260

cgtcagggtt cgcacacgtg ctaccagatg gtcgtgggta agaacctgaa ctcgactcat 1320
cgcatcaacg gtgttgcc 1338

<210> 19853
<211> 1338
<212> DNA
<213> Aspergillus nidulans
<400> 19853

tgcgtttctc gcgtacacat cgcagatctt tttcctgtac ttcgaggacg caccgctgaa 60
agaggacgaa gtatggcgaa tcaacattct tgccatatgc atttggattt gctattatcg 120
cgcttgacac gttgatcctg gtcattgtgc gaaaggggtg atgccatcg accgtgagcg 180
gttgaaggcc gatcgagcta gcggtcgtca acgatgggtg cggagggtgc aagcctataa 240
accaccaaga gcacatcatt gcaagacatg tgaaaggtag gattgtctaa gtatgcagac 300
tagttgtcat actaacgtgt tctaggtgtg tcccgaatgc ggaccatcac tgcccatgga 360
cctccaactg tgtctcacac ttacaccttc cgcatttcgc gcgatttctg ttttatgcgg 420
tagtcggtat tgcgtatctc gagactcgtc tctggcagcg tgtctccaaa gtttgggggt 480
caaggcacct gccagtgta agtaagatag cccgtgtctc gattacttac taacgttccg 540
tagtatctag gacctagcat gggacaaatc ggccatctat tcgtcctatt cgtcaccaac 600
agcttgacct tgtttgacct ctctctgctt cttctgagga ctctctggtc gctcgggtcg 660
aacacaacta ccatcgaatc gtgggaaatc gaacgacatg aaacctgct tcgacgcgct 720
cggcgctctc gcggcagctt gcccgggcca gggggcatca gtgtgcatat aacgaagcag 780
gagtttccct atgatatagg tatctggtct aatatcagag ctggaatggg cggaagtgcc 840
aatgtacgta ttcgctaatc actgtgacat cagcagctaa ctttctctcc aggtgctaag 900
ctggtttttg ccgttgcaa ggacgcctga ccgtagcacg ggattagagt tcgaggagaa 960
cgggttcgaa ggtagggagt atgtttgccc tgtaatgcac tccgcttatg caaatagatc 1020
ctactgtttc atggccaccg ccagatccag atcgcatccc tcttccaccc atggatcagc 1080
gagatagttt catgtacgac attacagaca caagcggtag aagcgggtcaa atcgacattg 1140
aagcttttaa tagacgaaag gaggcagacc taagacgtcg gagagcgccg actgaaattg 1200
agcgccgcaa gccgtttcat gtacgggttg aggaatactc aaatgggtcg tctgatgccg 1260

aggctgatac cggaagcgac gacgactccg accacggcga agaaggttgg aagaactctg 1320
aaggagaacg gctgctgtg 1338

<210> 19854
<211> 1339
<212> DNA
<213> *Aspergillus nidulans*

<400> 19854

cctgagaccg cccagggaca gttcttgaac ttccagaaac tgctcgaatt caatcaacag 60
gcaatgcctt tcgcttcagc gtctatcggc aagtcgtttc gaaacgagat ctgcctcgg 120
gcaggtcttt tgcgtgtccg agaatttctg atggctgaga ttgagcattt tgtcgacccc 180
gaaggtggca agaagcatgc gcgtttcgag gaggtcaaaa atattgagtt gacgctgctt 240
aaccgagacg tgcagctgtc cggaagcacc aagactgaac ggatgactgt cggaaaggct 300
gttgagacag gattgggtgga taacgagact cttggatact tctcgcctcg tatccagttg 360
ttcctgtca agctcgggtg tgacccacc aagctccgct tccgccaaca catggccaac 420
gagatggccc actatgcatg cgactgctgg gatgctgagc tatacactag ttacggctgg 480
attgagtgtg ttggctgtgc agaccgcagc gcatatgacc ttaatgtgca caagaacaag 540
actggtgccc ctctggtcgt tcgggagact cgcgcagagc cattgaaggt cgaggaatgg 600
caaattgagc tggacaagaa gaagttcggt cctcgttca agaaagatgg caagaccgtt 660
gaggctgcca ttgatgcttt gtctcaggag cttcgggaga agctggctct tgacctcgaa 720
aagactggca agattgaggt tgatgtcgag ggtgtcgctt cggcaaggt tgaattagaa 780
aaagatatca tcacgattga gaagcgcacc cgtgttgaga atgttcggga atacaccccc 840
aacgtaattg agccatcatt cggatttggc cgtattctat acagtcttat ggaacatgtc 900
tactactacc gtgaaggcga cgaagcgcgt ggcgtaagta tctcaaacc ttttgcgagt 960
tcactccctt ttcttacaca tcatttaggt tctttcgttc cctcccgtga tcgctcctac 1020
taaagttctc ctcgtaacct tatcgagcaa tcccgccttc cgccctatgg tccaagaact 1080
gacgaccaa cttcgacggt tgggcgtctc cagccgtgtc gatgattcct ccgccagcat 1140
tggtaaagcga tacgcacgca acgacgagct cggaacaccg tttggtgtca ccgtagactt 1200
tcagtctgtc aaggacaata ctatcacgct gcgtgaccgc gactccacaa agcaggtgcg 1260

cgcgagccag gaagagattc tgcaggctct caagtctctg gtagaaggag aagagacctg 1320
 ggaggatgtc cggaagcga 1339

<210> 19855
 <211> 1339
 <212> DNA
 <213> Aspergillus nidulans
 <400> 19855

tgcggtgctt gccagaccat tattacgctc cctgtgagac cgttgcccaa gatttggtctg 60
 ctagtattga aaacggtact attcgccagg ctgtcgagag tctgccgttg ctcaatacca 120
 cgaaactgcy caccaagcca gaatggagga gagcctatgt ggtcctttcc tatcttacac 180
 atgcctatgt ttggggtggt gaaatcccca aggagggttg tgttttgtcc tctaggcatt 240
 tgatatggct tctcactatt agtgtcacgc taggttctgc cttctgctat ctcaagtcca 300
 tacctggaag ttacagata cctagagctg cttctgttag caacatatgc agcccttaat 360
 ctctggaact ggtcaacttc atcacccaac gatgacctca cctgtgccga caatctctcc 420
 gtcacattgt catatactgg aacgaaagac gaggagtggg tcttcatggg ctctgtcgcc 480
 ctggaagcga gaggagcccg ggtcatcgaa atgatgctaa acaccatcca agccgtgact 540
 gtgggcygacg accagagaat agtcgcatac ctcaaccaga ttactgaagg atttaatgag 600
 ctggctcgaa ttctggaacg aatgtacgag aagaaccgcc ctgccgtttt ctttcaactta 660
 ctccgtccgt acctcgctgg aagcaagaat atggcatctg ctgggtcttcc aaacggactg 720
 ttctttgacc aaggaaaacg taagggtgaa tggctccaat acagtggcgg gagtaacgct 780
 caaagctccc ttatccaaac ttttgacatt tttttgggcy tcyagcacac agccatggga 840
 ggtccacta agactgagct tccaaaggca aaattgggaa agactccata catccaggta 900
 tgccaagtca cttttctcgg gctgttgttt atgagcaatc agacattaat gatctattgc 960
 aggaaatgcy aaactacatg cccggacccc accgacgctt cttgaaatg ctcaactcga 1020
 acgccaatct ccgtccgtat gcgatgagct gcaagctcgg ctcaactgtg agagatgctt 1080
 acaacaccgc cgtcatggct ctccgctcgt tccgcygaaa gcacgtacag atcgtaacga 1140
 ggtacattat attggcctcc aagctccctc ctccagcgaa cacacctgtg cggataaacc 1200
 tggcttcgac aacgcaaacc cagatgaagg actcgactga gaaggtttcc acaggcttca 1260

gcggcacagg tggaactgat ttgataccct ttctgaggca aactcgtgat gacactaagg 1320
ctacggcgta ctatgcgga 1339

<210> 19856
<211> 1340
<212> DNA
<213> *Aspergillus nidulans*
<400> 19856

aggaaaccgg cgggtgccaat gtcctcggtta ctaaccccaa ggacattgac aacgctgagg 60
atcgccacaa gttctctcag atcctggaca gcattggtgt tgatcagcct gcttgaagg 120
agctcacctc tggtgctgag gctgagcgtc tcgctgagggc tggtggctac cctgtgttgg 180
ttcgccccag ttacgtcctc tccggtgctg ccatgagtgt tatccacagc caggatgagc 240
tgaaggagaa gtcctgaac gccagtgccg tttctccga tcacctgtt gttatcacca 300
agttcattga aggtgcccag gaaattgatg ttgatgccgt tgccccaat ggaaagcttc 360
ttctgcacgc catcagtga cagcttgagc cagccggtgt ccattctggt gacgccaccc 420
ttgtccttcc ccccgcttcc ctggagaagc ccgtgatgag ccgtgttaag gaaatcgctg 480
agaagggtgc caaagcatgg aacatcacgg tcccttcaac atgcagatca tcaaggccga 540
ccaggagggt gccgagcccc agctcaaggc cattgagtgc aacctccgtg cttctcgctc 600
tttccccctc gtcagcaagg ttcttgaac caacttcatt gacgtcgcta ccaaggccct 660
tggtggccgt gatgtccctg agcctgtcga cttatggaa gtcaagcgtg actacctg 720
cactaagggt cctcaattct cttggaccgc tctcgctggt gctgatcctt tcctcggcgt 780
cgagatggcc agtactggag aaatcgcttg ctttggtaag gacgttggtg aggcctactg 840
ggcttccctg cagtccacca tgaacttccg cgtgcctgag cctggtgagg gtatcctgct 900
gggcggtgat atcaccaacc ctgctctggc ccagattgtt gacctcctcc accctctggg 960
cttcaaattc ttcgctgcca gtcctgaagt taaggctcac atcgagtctg caaccaagga 1020
gcacaccctt gtccaggatg tcgagtttcc caagaaggac aagcgtgcc ttcgtgaggt 1080
cttccagaag tacgacatcc ggggctgctt caaccttgcc aagactcgcg gcaagaccct 1140
tctcgacgag gactatgta tgcgccgaaa cgcagtcgac tttggtgtcc ctctcttcat 1200
ggaaaccaag gtaaggcacc acacttcagg taaatgagat cttgagctaa tcaacttcac 1260

tagactgccc aactattcgc tcaagccatg aaccagaagc tccctcgtcc tgagggcatt 1320
ccctccgaag tccggacctg 1340

<210> 19857
<211> 1341
<212> DNA
<213> *Aspergillus nidulans*

<400> 19857

gggccgatac gactggagcc caaggtgctc catggccaca cgcttacgaa gggaactaca 60
ttccgagaag tgtgttacgc gatccgcgat agtgcgttca tcgtcagcga cctgcctgtt 120
attgtgagtc tggaagtaca tgcgtcactc gagcagcaag agaccatggg ggagatcatg 180
gaggatgctt ttgatgggat gctcattcaa gtcacaccgg agatggaggc catggagacg 240
ccaccaccgc ttagggattt gaaacgaaag atcttggtaa aggtcaaatt ggtctcgccc 300
tcggctgaaa acgccgagga tgtagatgac cgtacagacg acctggagca gctggcccca 360
accaaatacag ccggtgcata atcccagtc gcctcacaag cagcccagaa accgtcgaag 420
atcctccatt ctcttagcag acatgcgac ttcaccaagg gctttagttt caagcagttc 480
agccaacccg gtacggcata cctctatttg actctaaact ccatactaac cctaaccaga 540
ggccaaagtt cccggccacg tgttctctct ctccgagcga gctgcccgcc aagccgacga 600
gaaatacggc aaggagctat ttgagcaca cgcgaagtat tttatgcgcg tttatcccta 660
tggtctccgc gttaactcct ccaatctcga tcctaccttc ttctggcgcc gcggtgccca 720
aatcgtagcc ctgaactggc agaactccga caaaggcatg atgctaaacc agggaatggt 780
tgcaggcgaa cagggttggg tcctcaaacc ccagggtat cgaagcacgg aaccagagtc 840
tgcgcctatt cctcgtcggg ctgtcgacct ctcaattgag gttctagcag gtcaggacct 900
cacactacca ccgggagaca agaacgagaa gggattccgc ctttatgtgg cttgttatgt 960
gcatgtggag acaccggagg atgcggcgaa ccctgggctc aagggcgatg acagcacgga 1020
ttctgagaag acgagctaca agcgcgtcac taaggccggg gagggcgatc acccggtttt 1080
cggatcacag attctgcagt tcccagcgt gcctgggtga gtggaagagc tgacgtttgt 1140
caggttcggt gttgcacttg caatatggct tgactatctt actgactatg ctgcagattc 1200
aaggttaagg atgacgaaat cggattcgac tcgttggctt catgggcctg cattagactg 1260

acccgtttgc aggaggata ccgtgtactc cgtctgtata agtgtgatgg atctgactca 1320
 ggtggtttcc tccttgccg g 1341

<210> 19858
 <211> 1342
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19858

atgaagcacg gccgctacgc cgagggttc cggatcaatgt gccgcctgcg agcccatccc 60
 attatcggcg ccagagatta ctactactcg tacgtgatct accaggagga gatcaaggag 120
 gcccgcggcg ctggctactt ccgccgtatg tgggattgct tctcgatccc gcgaatccga 180
 cgcgccaact acgggtgcttc caccgtcatg atcgcccagc agatgtgcgg aattaacagt 240
 gagttgtttc gtcccagcca tataaccaca gttctaccat cagaatctct aactgggttg 300
 tagttatctc cttttacagc tccagtatct tcaaagatgc cggatacact gattcggagg 360
 cgctgtacgc gtctctcggt tacgggtgcg tccaggttct cgctaccatc ccgacgctgt 420
 tccttatcga caccaaaggc cgacggaccc tatgtttgat tgtgagcagt cctgcctggc 480
 aagtgatacc cgtagctaata tggatcctag accttccccg gcatgtgcat attcctgctc 540
 gctgccggcc tttctttgct cgtccctgac agcgctagca cctcggcgca gctggggcca 600
 gtcgtgctgt acgtttgctt catcgctcgg agtcgagaac aacctcctct aacttacctt 660
 ctttctaggt tcgtctatct gttcaccatt atgtactcgt taggcgaggg acccgctcgcg 720
 ttccagtact ccgctgaggt cttcccgacc gtccagcgtg agcagggcat ggcctggggc 780
 gtctgcatca acaacacctt cggtaagcac caatcacttg atcattgaga cacgtattct 840
 ttctaaccct gtccagccgg tattcttagt ctgaccttcc cacgtatgag aaccgttatg 900
 acaccaaccg gcgcctgtaa gtgaccatct gtaccgccc accatacttg tctgtggcta 960
 accggccttc accgtctagt tgggttctac gcgggcctca acctgatagc ctgggtcatg 1020
 atattctgtt tcgttcgtga aactaaacag ctcacgctgg aagaactgga ccgtaagtga 1080
 ccaaccaagc catcaatgca gtcaccact aacacccac agaggtcttc tccgttccaa 1140
 caaaggaatt cctcaagcac gaaacaactg tgtggctgcc gtactttatc aggcgccaca 1200
 tcttccgcca ggatatcccc aagccgccag cgattatcgc gactgccgat gagaagcgcg 1260

gaagcagtaa ctcggttgat gcttgatgtc taaactaatt cagccgtgca taattggata 1320
 tgggtaatga gtatgaaagg cg 1342

<210> 19859
 <211> 1343
 <212> DNA
 <213> Aspergillus nidulans
 <400> 19859

cccggccaga gttcctcatc atccggagca ggtcgaccgt ttcctccaca ccaacttccg 60
 aacgcccact cttcaggaac aatggcccat tgtgagcggg cctccaggcc catcatccaa 120
 tgccttttoga aatcctcaat tagaggcata tccagcgtcc agctgcagac gcgcgccttc 180
 cagaccacag ctgctgtcca ggaggaagcc cagaccgaag cgaagagcca gcccttctac 240
 aaagcgcccg acccagctct tgtgtcaagc ccgcgtttgg agcgaagggt gatgcgccag 300
 ggtattctac cgatcgggtc tcgtcgacgt cgtgccgctg tgcaaacaac agacagtttg 360
 cctttcgaac agctaccata tcaatgcttc caggaggcac ggaagggttct gattgcggac 420
 cgggaggaga agttgaagga aattgcaaca accagtgaga agatcgctaa gattcaggcg 480
 ctgccggaag aagagcaaac aaaacactcc acctatgctc gactgcgcgc gctggaggta 540
 catcttgata gacttaaggt tctcggcgac atcaatgacc cctcgtgaa gaagaagttt 600
 gaggatgggc agggtaagtt gctcgggcct tcgtcctagt aaccaacata ctgactgtgt 660
 aggtgacatg agcaaacct tctaccgcta cctcgccgat cagaaatgga gagagtatcg 720
 ccgcaagatt ctcggtcaac gaattacca gatgaaggct attcctgatg tccttcccca 780
 ttgcgacccg atagtcgaca ctaaactgta cttcgccga aaagctgtac cacctggaga 840
 gtttgtaaac tctcaggta gcagtgtccc tccaaactc gacatccagg tattcgacgg 900
 tgaaaacagg ctggttaacaa ttgccgtcgt ggattcggat gttccaacg tcgaaaagga 960
 cagcttcgac tatatgatgc actaccttgc cgtcaacatc ccaatctctg ctctgaacac 1020
 caaggttgac ctctctcagc tgtcgacgga gtctcagggt gttctacctt ggcttcccc 1080
 tgttgctcag aagggcagcc cgtaccaccg cttgtccctt ttcgtcatgg agcagaaaga 1140
 caacaagcct ttggactttg cggccgtcaa ggccaaggag actgaccgcc ttaacaagct 1200
 tctccgcaact ttacaagcac ggtaccacct caagccatt ggagcgcacc tgttccgaac 1260

aatctgggat gacgacaccc gcgatgtcat gaaggagatt ggcttccttc ttgcagacat 1320
 ggaactccgg cgcaagagaa gcg 1343

<210> 19860
 <211> 1344
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19860

gacgcacatc attgcatgga ggattgctct ggtttgcctc gctctagttc cactgctgct 60
 tgggtgccggt cttatggaac tccatatact cggaagttc gaggagcgtc acgagaacgc 120
 ttataccaag tcggtcgaca ttggtgttga agccatcacc tccatcaaaa cgattgcatc 180
 tctttccctt gaagatgaga cactgaagac ctaccaacgg tccctgaagg gtcctcgtaa 240
 ggaaacgctt acagttactc tacaggcaag cttttggcag gcgatgacct acttccctggg 300
 taacctcgtg aatgcgttag cctactggtg gggttccaaa caaatcttgg cgggcaatta 360
 taccagact cagttcttaa ttgtggtgtt ttccctgctt gttagtgtt tgctttggag 420
 tcaaatgttt gctcttgcgc cagagctttc ggcagcacga gctgcaatgg ccaggttact 480
 gggctcttatt gagatagggc cagataagat gcaaggacac gtaccccttc gctcccttac 540
 ggcacgtctc tcaggggagg aagaggcagc tgtcgaaact aagcaacatg catcagacag 600
 caaagcctcc agcgtccagc ttccgcgacgt tcactttgcg taccagccc gaccagacat 660
 taaggttatg aacgggttga ctattgacat caagcccga aagtccgccg ccctcgtcgg 720
 tcccagtggt gcaggcaagt ccacaatcat ttactagtt gaacgccttt acacgcgcga 780
 atctggctcg atcctcgtcg acggcgtgga cattaccaag catcgggatg tcggcttccg 840
 agactcaatc gctctggtgc ccaggaaaag cgtcctcttc gaagggacca tcaaattcaa 900
 cattagcctc ggcgcctaac caggccacga gggttcgcag ggggacattg aaaaagcttg 960
 caaactagca aacatccagc ataccattgc cgcccttccc gacggctacg acaccctctg 1020
 cgggtcccaac gggagccagt tttccggagg ccagaaacag cgcctctcta tcgccagagc 1080
 tcttgttcgg aaaccgaagc tgcttatcct tgacgagtca actagcgctc ttgacgcgga 1140
 gtctgagaaa ctgctgcagg atgggctcga aaaggctgct aagggaatca cagtcattgc 1200
 cattgcgcat cgtttgcata caatcaagaa ggcggatgtc atctttttga ttgagggagg 1260

tccgtgtgtt gaacatggca cacatgagga gttactggcc aggtcagaga gctacagggc 1320
 taatgttatg caccagactg tggc 1344

<210> 19861
 <211> 1345
 <212> DNA
 <213> Aspergillus nidulans
 <400> 19861

catcttgcca ttggggcgtt tacacgtgaa cggacggctt tttgactccc aggtctccag 60
 attcgaaggc tgagaacgag tcatgccacg gaaccatggg tgtcgtagcc tgataggtgt 120
 aggttaaagt aaagcctatg tgactatggg cggagaacga atttcggggg ggatggtaag 180
 ggtacgacca atctggaaac caatctggat gcaaatgcac tcccgggcag acagtctcca 240
 gatctttag actcgatttc tagggagtaa agactgaatt gttgaaaggg ggagtccaga 300
 gaagattgga caaagcattg cgcttaccgg taaaatacag ccatggtaat cctagaacga 360
 tacctagtag aatatccag taaataactt cgcgaccgga gccttctcca aaccttcttc 420
 cgtgctggaa caacttccaa ctctaataat cttcgtagac tacacttatt cgtaggtaag 480
 gcattgcagt ctgtgcctga cccctccttc cagttctctt gctgatcatt ccccttcccc 540
 cgcggcccag acacaactat tctgcaccc ggacatagcc catccgtacc agtggaacaa 600
 tgttgcatgg ggcctgtgat tggaccacaa ggcgcgtgga caatgtagtc agatagccat 660
 gtatctaata cggcatgacg cgctcgctcg aaacgaacat ctaccctgt tcttcagctt 720
 cataggtatc agctggatag acaaggtctg aaacgctgca acgttctatt ttaaacagtt 780
 tcaagacaga gctgtgatta attcaggatg gtttgaaatg gagatgacga gtccatgaac 840
 agccgtgtct tttcgtgca gatccccgat gaggagaagg tcaagattga cgtgaacgac 900
 gtccgattcg taccgaagcc cgtcgacccc aaagccgaga aggagcgcaa gaagaaggaa 960
 aaggctgctg ctcaaggcgc cggggccgag cagactgttg ttgttggtca aaccaagccc 1020
 gaaaaggctg ccccgatgc cgccgccgcc ggaaaggccg agggaaagcc caagaaagag 1080
 aagaaagaaa agaaagagaa gcagccgaag cccgctcctg ctcccgagc gcctccttcc 1140
 ccatctctca tcgacctcg tgctggteat attctccgtg ccgtcaacca cccaacgct 1200
 gactcacttt acgtctccac catcgactgt ggtgatgctc ctggctcaga caacacatct 1260

gtggatgagg agactggaaa gaccgttcgt acagtatgct ctggcttgaa tggcctgggt 1320
cccttagagg agatgcaggg ccgca 1345

<210> 19862
<211> 1346
<212> DNA
<213> Aspergillus nidulans

<400> 19862

cggtggcaaa ctccccaagg gagttttgct tgttgggcct cctggaactg gaaagactct 60
gctagcccggt gccgttgagc ggaagccgg tgcctcttct ttctacatgt caggctctga 120
gttcgatgaa gtgtatgtag gagttggcgc caagcgggtc cgtgaacttt tcaaccaagc 180
ccgaagcaaa tctcccgga tcattttcat tgacgaactt gatgccattg gtgcaaagag 240
aaatgaacga gatgctgcct acgtgaaaca gacctgaat cagctcctaa ccgaactcga 300
cggattctct cagtctaccg gtgttatcat ccttgccgca accaattatc ctgaactgct 360
tgacaaggcc ttgaccggtc ctggctgatt tgatagaaag gtcgttggtg acctaccaga 420
cgttcgggga cgcattgaca tcctgaagca tcatatgaag aatgtgcaaa tcagcactga 480
tgttgatgta gcagtgatcg ctggtggtac gagcggcttc tctggtgctg acttgaaaaa 540
tctagtcaac caggccgcca ttttcgccag caggaataag caatctaagg tcaactccga 600
agattttgac tatgccaaag acaaaatcat catgggtgca gaggctcgca gcaggattat 660
ccaggataaa gacaagcttt tgaccgccta ccacgaggcg gggcatgctc tggttgccta 720
cttctcgccg tcctctatgc ctttgtacaa aatcaccatc atgcctcgag gaatgtctct 780
aggttcaacg catttcttgc cggaaatgga catggtatct aaaaactatg tccagtatct 840
aagcgacatc gacgtctcca tgggcggtaa ggtggctgag gagctgatct atggggaaga 900
caaggttact agtggatctc cagcgggatg ttcacaacgc ttgaatcttt aagctcaggg 960
cagtcgctaa tggatgtagg acctcgcgag tgcgacgagc acggccttca cgtcgtcac 1020
gcgttttggc tactccaaga aacttgaaa cgtcgacctg tacgccaact acgatagcct 1080
atcttccgaa acaaagcagg aaatcgaagc tgaagtccg cggttggtcg aggaagctcg 1140
ccagcgtgcc accaacattt tgaccgaaag gagacatgaa ctagagttgc tgacaaaggc 1200
gctgattaag tatgaaacat tgaccaagga ggaaatggag aaggttctga gggcgaaaag 1260

tctcgacaga cttgtcgtgc cggccgatgc gcctatgaaa ctacctgagc ctataagtgc 1320
gacgaatctg agccccgaacc aaggcg 1346

<210> 19863
<211> 1346
<212> DNA
<213> Aspergillus nidulans

<400> 19863

ttaaaaatgg ttgaaagcgt cctcgacgat atctcccacc ggagatataa tcctcttcgt 60
ggagcctatg ttctgggtctc tccccaccgt actaaacgtc cctggcagta ggtgatgacc 120
tccctttttat ctcattcaaa cgcttgtcac ttgaattcag cggactgcga gatgaaccat 180
gtatactgta gcctaacctg gcgacagagg cgccaagaa acaccctcca agacaaccct 240
gcctgactat gacgtacct gctacctttg ccctggtaac aagcgcgcac agggagacca 300
caaccccaaa tacgaaaaga cttttatctt cgtcaatgac tacagcgcgg tcaaggagga 360
caagcgccct accaccaga agccggaacc ggtacgtcat agcgagacaa taccctgcat 420
cttcatgaca tccattaact gccattcaga gaccgaatca ttctttctgc gcgccgaccc 480
ggtcacgga aaatgctacg tgctcacctt ctccgccgcc cacaacctaa ccctagcgga 540
cctctcacgg gtcgagatcg tccccgtcat caacgcctgg acagacgtct acatcgcgca 600
tttgtcccca agcagccccc ttgccgccgc cgctccaaa ctcaccattt cctctggctc 660
tcctgcagca agcctcgcca aaccaaatga acagtaccga tacatgcaga tcttcgagaa 720
caagggcgcg gcaatgggct gctcgaaccc gcaccgcac ggccagatct ggacaaccag 780
ttctctccct gaagagctcg ctgccgaact ggaacagatg aagaagtatc gccgcgaaca 840
taatggggga cacatgctgg ccgactatgc cgcgctcgag agcaagaagc aggaacgcgt 900
agtctttgag aacgatgcat tcctgggtcgt ttgtccctgg tgggctatct ggccgtttga 960
gactatgac attagcaaga cgcacaagcg tgctcttgtt gatctcgatg acaatgaaaa 1020
ggcgcagctt gcggaggcga ttgctgaagt tactaggcgg tacgataacc tctttgagac 1080
acatttcccg tacagtatgg ggattcacca agctcccttg gaggggtctg aggaggagat 1140
tgaggcgtca tatctgcac tgcatttcta tccgccatta ttgaggagtg caacgggtgag 1200
aaagttcttg gttgggtaag ttcttcgaaa ccattcgcaa ttttgtgagc ggggtgtgac 1260

agggcatagt tatgagttga tggctgagcc tcagcgcgat atcacccccg agcaggcggc 1320
cgcaaggтта cggggттггг ggggtg 1346

<210> 19864
<211> 1347
<212> DNA
<213> Aspergillus nidulans
<400> 19864

gaactggcca aggggсagga tatggctatg caatctactt tggccctatc ctggtgacca 60
agggacatgg ccccgсgggc cccaggacag aggtctatga tgcagaaatc atgggсgctg 120
tagaaggcct acgcgcagcc ctgggacaac catgtgtggg ttactctacc cagctagtta 180
tcctcctaga caacctagca gcagcctccc tgctagcaag ctataggcca actccgcata 240
ggcatggact gtcagagtcc ttсggccagc ttgtaccca gtggttgga gctccctcaa 300
tcctaaccag gccacggaag ccccttcaag tccgctggat cccaggccat tctgggattg 360
ctgggaacga gctggcagac aagcttgcaa agcttgggtc ctctatatac agccctaaca 420
tccccccatc cctgcatac ctacgacggg aggcaaaaca gtggcttcgt acagaggcat 480
atacagcata tgctagtaag gcacccaag cctacaagac cctggatatc agaccccata 540
caaaggaaag ccgcacccgc gagcacaagc ttccccgttg ggtacttggc cgactcgctg 600
ccgcccgtac aggccacgga gactttacgg cataccacca gcgcttcaac cactcagact 660
acctggagag ctgctcttgt ggcaagacca agaccccagt acacttcttc ttctgccccat 720
acaccagaaa gcgctggaaa gatagatgga gatgcataag ggacggcccg tcaaaaacaa 780
tagactggct cttaagtaca gctgccgggg ctgaagaatt cagccgcatac gtgcaagaat 840
catccttctt caaggatata tgcccgaact gggcccgccg gagcgcttga tagtgcgaca 900
gtccacacat ctacctggat aaagggtacg gccctcccc ccaatctata ggtagtcaaa 960
acgggcatct gccctgaag accaggccag ggtagcgccg gatgcttctt ccgctcattt 1020
ccaacatata ttgtccatag ttgtgcttc aaacctgtat ctagctagtt ttagggagtt 1080
ctgttttagac agcacgtcca gatgccccct gggaggccgc agatcacgtg ggccccgtga 1140
tccgcgagt gacgttaaат aataaaacca aaccaacca acgctctccc ggaaccgatac 1200
tgactgactc ccgaacttga actcaccacc gaagtтgaac cgaacaaaca atcacgccag 1260

ccccagttct ggccatgggc gatagaaatc gccattatgg ctgataagat gatgttaacc 1320
 tgaaactggt cgggaatcgg tcgtgtc 1347

<210> 19865
 <211> 1347
 <212> DNA
 <213> Aspergillus nidulans
 <400> 19865

atgccgggat caaaatatgc cattaaagat cctttctcct accataccgg cctcaattca 60
 taccatgagt acgccccccc agctcaacaa cctatggctt ttctaactg ggcgaccaga 120
 tcaacagcca tcgaagacgc cctaccccg cgcgaaagtc tcccccaacg gcacggctta 180
 ggcctctacc ctgaacgtat cagcggcaca tccttcaccg caaagcgcgc cgtgaacaaa 240
 cagacattcc tctaccgcat cctcccatcg actgcacagt cctcgtggaa caggctctcg 300
 gaccatccgc tgaaccatcg ctgcattca gcagagctca actttgtacc agaccaactc 360
 atatggcctc ctgcccaggt acaggaggac aagacattcc ttgatggact acagatgata 420
 ggaggtgcag gggacccaac ggtcaaaaat ggcgtggcgt attatgtcta cacctgtggg 480
 ctcagcatgg acgagaaaca ggccttctac tccgcagatg gggacatgct tatcgttgcc 540
 cagacgggga tccttgatat ccagaccgaa atgggtgata tacgagtgcg cccccgtgag 600
 atctgtgttg ttcccagggg tatcagattc cgagtttctt tgcccagggg gccgtctagg 660
 ggtcatgtta ttgaggcgta ctccgggcat ttcgacctcc ctgagctagg gcctatcggg 720
 tctctggggc tggcaaatgt gagggatttc gagattccac gcgcgagata cgtagatacg 780
 gaagagatta cagaggatcat cgcaaagttt ggaggtgggg tctacagcgc agagatgaag 840
 gggagtgcgt ttaatgctgt tgcattggcat gggacgtatt atccattcaa atatgacctc 900
 ggtaagtcc cccagcgtcc caataacaag ttcgagagac tcaatagctg cgtctaccag 960
 gaaaattcat gcctatgggc tcaacgctct acgaccacca ggtccgtctt cccttttagca 1020
 gttctttgtc cagcccaa ataccgcgca ggacccatca atctacgtag tcctcacctg 1080
 cccctccgac aagcccgatc atgcagcgt cgacttcctt gtccctcggg cccgctggat 1140
 ggttatggaa gacacattcc aaatcccgta ttccatcgc aacaccatgt ccgaattttc 1200
 ctccgtaatc agcgggggat ttgacctctc gcgcgtgccg acgccgatgt acggaatgag 1260

cgggctgcac aacgtcctca gtccgcatgg gctgtcggcg ccggagacag aaaatgcaat 1320
 aaagaaggtg ctgaggccgg agcgagt 1347

<210> 19866
 <211> 1349
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19866

tccaaaacct gcactcccag tcaaaagaga agatcaatga atttgtcaga gggcatttct 60
 atggacacaa tgactttgat tttgacgata ctctttacgt atttacatcc ggtcggtagc 120
 aatttcgcaa caagggtggt gacatgttta tcgaagggct ggcgcgtctc aatcatcgtc 180
 tcaagtccag cggatcgaag accacggttg tagcattcat catcatgccg gcgcagacct 240
 cgtcactcac tgtcagagtc ctaaaaggcc aagcgggtgt caagtcgctt cgcgacacga 300
 ttcatatgat cgagcaaggc attggaagc gcatgtacga gcggtgtcta gcctggaagg 360
 agggtgacaa tatgccggat gagaaagacc ttatcaccag ccaagaccgc gtctctctgc 420
 gacgtaggct ttctgccatg aaacgtcata ctcttctctc gataacatga 480
 tcaatgactc cgaggatccg atccttaacc agatccggcg tgtccagctc 540
 cttctgatcg cgtcaaaatc gttttccatc cagaattcct caactcatct aaccagtggt 600
 tgcccttgga ctacgatgac tttgttcgtg gtacacacct tggagtcttc cgtcttact 660
 atgagccctg gggttacact cccgcggaat gtacagtcac gggagttccc agcattacaa 720
 cccgcttcgga tgctatatgg aggagcttat tgagaactcc tcggactacg 780
 gcatttatat tgtggaccgc cggatgaagg gcgtagacga ttcagtcaac cagctgaccg 840
 atttcatgta caacttcacc ctcaagagcc gacggcaacg catcaaccag cgtaaccgta 900
 cggaacgtct cagcgacctg ctggactgga agcgcacggg cttggaatat gtcaaagctc 960
 ggcagttggc tcttcgacga ggtatttctc gcagcccggt ttattctttg tttgcttact 1020
 gactacgtgc agcatacccc tegtctttcg acaaccagga agattacttt gacgttattg 1080
 gcgggacaga gcagaagata tcgcgaccat tgcggttcc cggatcacca cgcgatcgct 1140
 ctggtatgat gacacccggt gatttcgcat cactgcaaga agtcaaggag ggtctctcga 1200
 ccgaagacta tgttgcatgg cgccttccgt aagtcctgca catctaccta ggaagctcga 1260

gctaattcag catcagaaca agcgaggaag atgatgcgga agaccacttt taccctctca 1320
cccttcggac gaagaagtcc gaccgaccg 1349

<210> 19867
<211> 1350
<212> DNA
<213> *Aspergillus nidulans*

<400> 19867

gtggaaggac cgcacgcaga accagtttgg aaagcttcag atccagggtc catggcggtc 60
catccaactg ctcgctccgc atcgcatgcg gcggaagtta aggtccaaat tgcgcagtag 120
agcgtctect acctcgtaa tagcctcttt acagacgtcg ttatcgctg cagacacact 180
acgatcgctc caaagccacc gatggacggt ttacgacttc caatatctgc ttctgttgat 240
cgtgggcac tttcttttga ccgttatcga gtcgccccgg cctttgggca aaacggccat 300
tttctccatg ctectattct ctctctgat ccctatgacc cgccagttct tctctccgtt 360
tctgccgatt gccggatggc ttctgttttt ctacgcctgc cagtgcagta aaaacaaccc 420
gctaccagac ccggtgcagc agttactcac atatgcaggt tcatcccaag cgattggcgc 480
cctgcgattt gggttcgtgt cttgcctgca ctggagaata ttctctacgg cgcaaacatc 540
agcaacatcc tatccgctca ccagaacggt gtgcttgacg tgctggcgtg gctaccctac 600
ggatatctgcc actatggcgc tccgtttgtg tgctcgttga tcatgttcat cttcgggtccg 660
cccggcactg tttccctttt cgcgcgcact ttcggctata tcagtatgac tgcggttact 720
attcagctgt ttttcccttg ctctccacct tggatatgaga atcgctatgg tctagctccg 780
gcagactact ccatccaagg tgatcccgca gggcttgccc gcattgacaa gcttttcggc 840
atcgaccttt acacgtctgg tttccatcag tcgcctgttg tggtcggcgc ttttccgtcg 900
ctgcatgctg ccgactcaac cctggccgca cttttcatga gtcatgtttt cccccgcatg 960
aagcccgtct tcgtgacctt tactctatgg atgtgggtgg caacaatgta cctctcacat 1020
cactatgcgg tcgatttggg tgoggggtgg ctctggccg ccattgcttt ctacttgcgc 1080
aagacccgat tccttccccg tgtccagctc gacaagacct tccgttgga ctacgactat 1140
gtggaattcg gcgagtctgc cctggagtat gggatatggtg cagctggcta tgatggagac 1200
ttcaatctcg acagcgatga atggactggt ggttcttcat cctccgtctc ctccaggtcc 1260

ttgagtcccg ttgacgatca ttactcatgg gaaaccgagg cactgacctc cccacatact 1320
 gatattgagt ccggcaggca tactttcagc 1350

<210> 19868
 <211> 1351
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19868

tctctactgc tattattgtg gcgtttactg cgagtatatt gtaacggcgc agaacctgca 60
 tactacataa tgtattgtaa tctatcccta ccctctagat atcatggata cctattctcc 120
 agaatggtgc ttgaaagggc ccgtttgatg agacataaac aaaaggcatc gacaaatcca 180
 ggccacaaga agaggacaat gggggcactg ctactcgacc acaagcattg aagaccttga 240
 ttgtgtatgc tgctcgttct aggcaccatg gatagcaaat ggaaccaccg acgcgtggca 300
 acagtgggcc gctgcgtttc tagaaagcac ggattgtgga tgatgtaacg aaaaaaaaaa 360
 atactcggtg tatgcaggta ctgtcttctc gtactggagt cattccgtta gacttgcacc 420
 aataaatgac atttgagggc cgtaagcgtt caagaggaag accagtggct tgataacaag 480
 tctcagactg tctgggatgt gggagaaaag gtaaaaaaag aaatatttcc ctgaattagg 540
 gcaaagccta gcacctaac aagccatgat cgtcctaccg gaactcccgga gtgcgtggcc 600
 ggaacaggtt ccgatgccgg ttccgaacca aagcagtcct aagtataggg aaattgcaag 660
 gtgacagact gacacgctat catagacacg agtcttgaaa ctcgacagtg gggccaatac 720
 catatgcaag atcttgatct gcaggcgcgc atggcgaata tttaaact gctgttgtag 780
 ccagcgatgt gactgatata caacccatct accatgggtg cgctcaacct cctcctcgcc 840
 gccacgcctc tggcggcagc acagtcgcta tcagacctct accttgacag tgccccctcg 900
 tcaccccgct cttatatcat tccccactac gccaacagcc atgccgtcac aatcggcgcc 960
 cagctctacc ggtttccggt taccggccct gcctctgact atgccttcac gctgatgagc 1020
 accaacgccc ctgccagtgg cagccttggg gtccctccgc acatccatca gaggcactat 1080
 gagaactttt tcaacttcaa gggccgcttc cagctgtggg cacaaaaggg ggatggcgag 1140
 caggaagccc ggcttctgac ccagggcgac tacggctctg tcccgggaa cagcagcat 1200
 acgttccaga tactcgatcc agataccgag atggctgggg ttatctcgcc cggcggcttt 1260

gaagacctgt tctacgcgtt gggaacaaat tactcggacg cgacgaacac gccgtatgtc 1320
 ccggccgccca gcaatgggac ctcgccccg g 1351

<210> 19869
 <211> 1351
 <212> DNA
 <213> Aspergillus nidulans
 <400> 19869

gcccgcgaag gtacgttgga acaaagattt tcccttagct ttttgagggg gtttgcgttc 60
 ttccagtttc gtccatcccc tccggcgtgt ttgacaagtt gttattctga ttttctcgat 120
 tcgaatcact caccgtcgca ttagtcgctg ttccgacgcg ctgctgctca accttccatc 180
 gtccgctccc ccattgctggc aagatgtgcg ttcacctcat tatatccgat tatcggaaga 240
 atatggtggt aacctctcgg tatcagcttt tgcgacagtt cagcaggata tcttcaagcc 300
 aacgaagtat ggtggcaaat aactgtgac tcttatccca ggtacggcca ctaaattcac 360
 accatatccg cgacgttgcg cgacgcgtac ttgattcacc gaccaactaa cgtcttactc 420
 tgcccatcag gtgacggtat cgggtgccga gttgcggagt cagttaagac tatcttcaaa 480
 gccgacaatg taccatttga gtgggagcag gttgatgtca gtggcgtaga caccggcaac 540
 aagcactctg aggaactctt caaggaatca attgcttctc ttcgacgaaa caagcttggc 600
 ctgaagggtg ttctctttac ccagttgag cggctctggc accagtcctt caacgtcgct 660
 cttcgacagg aactcgatat cttcgcttct gtcgtgctca tcaagaacat ccccggtat 720
 aagactcgcc atgacaatgt tgacctctgc atcatccgtg agaacacaga ggggtgaatac 780
 tctggtcttg agcaccagtc tgtgcaagga gtcgtcgagt cacttaagat tatcactcgc 840
 gccaaagtcc agcgtatcgc taagtttgca ttcagctttg cgcttgccaa caacaggaag 900
 aaggtcactt gcatccacaa agctaataatc atgaagcttg cggacggttt gttcgcgagc 960
 actttccaca agactgccga aaactacca accctggagg ttaacgatat gattgtcgac 1020
 aacgcttcta tgcaggctgt ctctcgctct cagcagtttg atgtgatggt tatgcccac 1080
 ctgtacggtg gtattctttc caacattggc gctgccctcg ttggtggacc cgggtgtggt 1140
 cccgggtgca acatgggacg agatgttgct gtcttcgagc ctggctgccg tcacgttggt 1200
 ctcgatatca aaggcaagga tcaggccaac ccagcgccta tgattttgtc tggttcgatg 1260

cttctccgcc atctcggact cgacgaccat gcaaaccgta tttccaaggc tgtctatgac 1320
 gtgattggtg aagggtgagt atactgtgcg c 1351

<210> 19870
 <211> 1351
 <212> DNA
 <213> Aspergillus nidulans

<400> 19870

tgcggtgctt gccagaccat tattacgctc cctgtgagac cgttgcccga gatttggtg 60
 ctagtattga aaacgggtact attcgccagg ctgtcgagag tctgccgttg ctcaatacca 120
 cgaaactgcg caccaagcca gaatggagga gagcctatgt ggtcctttcc tatcttacac 180
 atgcctatgt ttgggggtggt gaaatcccca aggagggttg tgttttgtcc tctaggcatt 240
 tgatatggct tctcactatt agtgtcacgc taggttctgc cttctgctat ctcaagtcca 300
 tacctggaag tttcacgata cctagagctg ccttctgtag caacatatgc agcccttaat 360
 ctctggaact ggtcaacttc atcacccaac gatgacctca cctgtgccga caatctctcc 420
 gtcacattgt catatactgg aacgaaagac gaggagtggg tcttcatggg ctctgtcgcc 480
 ctggaagcga gaggagcccc ggatcatgaa atgatgctaa acaccatcca agccgtgact 540
 gtgggcgacg accagagaat agtcgcatac ctcaaccaga ttactgaagg atttaatgag 600
 ctggctcgaa ttctggaacg aatgtacgag aagaaccgcc ctgccgtttt ctttcaacta 660
 ctccgtccgt acctcgctgg aagcaagaat atggcatctg ctgggtcttcc aaacggactg 720
 ttctttgacc aaggaaacgg taagggtgaa tggctccaat acagtggcgg gagtaacgct 780
 caaagctccc ttatccaaac ttttgacatt tttttgggcg tcgagcacac agccatggga 840
 ggtccacta agactgagct tccaaaggca aaattgggaa agactccata catccaggta 900
 tgccaagtca cttttctcgg gctgttgttt atgagcaatc agacattaat gatctattgc 960
 aggaaatgcg aaactacatg cccggacccc accgacgctt ccttgaaatg ctcaactcga 1020
 acgccaatct ccgtccgtat gcgatgagct gcaagctcgg ctcacctgtg agagatgctt 1080
 acaacaccgc cgtcatggct ctcggtcgtg tccgcgacaa gcacgtacag atcgtaacga 1140
 ggtacattat attggcctcc aagctccctc ctccagcgaa cacacctgtg cggataaacc 1200
 tggcttcgac aacgcaaacc cagatgaagg actcgactga gaaggtttcc acaggcttca 1260

gcggcacagg tggaactgat ttgataccct ttctgaggca aactcgtgat gacactaagg 1320
 ctacggcgta ctatgcggat tgaaagattt a 1351

<210> 19871
 <211> 1355
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19871

tggcggccaa atcacggttc acaaggctag atgccttcgc gaaaacagtc gatgaggctc 60
 gcatccgcac cacctccggg ggaatcatca ctatgcctc gctgcttata ataatatggc 120
 ttacgtgggg agagtgggtg gactacaggc ggtggcagt ttgcccggag ctgcgtcgtc 180
 acaagtcaag aggagagaag atggagatcc acctgaacat cacattccct cgacttccct 240
 gtgagctcac aactctcgat gtcattgatg tctcgggcga gcagcagggtt ggtgtcgcgc 300
 acggtgtgaa caagggtccg cttgcgcctg ctgcggaggg cggccgcgtc cttgacgtcc 360
 aggcaactga actgtaagcg gagtagcttc caatccatca gcctcccata gaaccccgct 420
 aacagggtcca agccacgccc aagaagccaa gcacctcgac ccagactact gcgggtgaatg 480
 cggcggcgcg cccccacctc ccaacgccat caagcccggg tgctgcagca cctgcgacga 540
 agtgcgcgaa gcgtacgccc agaaacaatg gggattcggc aaggggacca acattgagca 600
 atgcgagcgc gagcactact ctgagcggat tgacgcgcaa cgccgcgaag gatgccggct 660
 tgaaggcggt atccgtgtca acaaggttgt tggcaacttt cacattgcgc ctgggcgcag 720
 cttctctctt aacaacgtgc acatccacga catcgcaac tacgaggaaa ggggtctgtc 780
 gccggctgag cagcacacaa tgtctcatat cattcacagc ctccgcttcg gaccgcaatt 840
 accagacgag ctctcggatc gttggcaatg gacggaccac caccatacta acccactcga 900
 tagcacgagc caagaagcac ctgagcccgc ttacagcttt atgtacttca tcaaggctcg 960
 ctcaacatcc tacctgcccc tcggctggga ccctctctat tctgcatctc tccacgctgc 1020
 ggccgacaca aacaccccg cggcgcgca aggcctcagc gccggctcac aaggcagcat 1080
 cgaaacacat caatacagcg taacctcgca caagcgatct ctgcgcggtg gcgatgcctc 1140
 agacgaggct cataaggagc gcatccacgc agcggggcgt attcccggcg tctttttcaa 1200
 ctacgacatc tcgccgatga aggttatcaa tcgtgaggcg aggccgaaga ctttactg 1260

tttcttgacg ggtgtatgcg caatcgttgg tgggacgctt accgttgcg cggtattga 1320
tcgcacgctt tacgaggag ttagtagggt tagga 1355

<210> 19872
<211> 1355
<212> DNA
<213> *Aspergillus nidulans*

<400> 19872

gccaccatgt cgggtgacga agaacctcct cctgaggctc atcattatga gaaccgtggc 60
caggtgcctt gggacattca gaagtacgaa taccgcccc ctggcttcgg caggaatcag 120
ctaacgccgc tctccagcta ctggccccaa cgctatgatc tcttttccaa atgggacgac 180
ggcatttggt tgactgacga tgcttggtt ggtgttactc cagagccagt ggctacgtat 240
gtgattttta cccgagtcac ccgaattcta caccagaaag cgcagaagcg ctaatgcgaa 300
ccatgctaca gaaagatcgc agagcaggta gcacacgctt ctccccaga gcggaagatt 360
ctggctcgacg tttttgcggg cgcaggagga aatactattg cctttgctcg gtccgggcac 420
tggaacgag ttacgctat cgagaaagac cccgcgacac tgcggtgcgc gcaacataat 480
gcagaggtct atggggctgc agacaaaatt acctggtttc aaggagactg tttcgatata 540
ctcaaatac aattaaagga tttggcgccc tatagcgtcc tatttgctag tccgccttgg 600
ggaggtatgt ctgttcctgc gttctcctgc tagcaatcct cactctgaat gctaactctg 660
ccggttcact ataggctccg gatatcgatc agaactctga ttcgatctta gcacgatgga 720
accatactca ttgaataaac tgtacacgga gttttctctt ttcacgcaat atgtgatact 780
ttacttacca cgaacatctg acctcaatca gctagctgcc atgggtaaga atgatgaacc 840
tgctccggtg atgcactatt gcatgagagg ggctagtaaa gcgttggtgca ttttctatgg 900
cggatttcga ttattataaa tagcaatcct cagtgcctca gattacgcga gacccttgaa 960
aacaagaaa cgatataatc aaaagatcta gcatataccc tttgaagctc ctctcagaac 1020
aagccataac gtggttggtg agcgagctgc gcatgtaagc gagctgcgca cctgcataca 1080
gatttcccat attttgacct tttaatcaac cacaacgcct ttatattaat tattatttat 1140
ttggacaagc atttcttcta tgccaattc tatggcaggc actacatgta ggtaatgccc 1200
gtgcctttgg tgtttgtgca cttctgctg gtggcccgca tggaccaggc attgcctgaa 1260

aagacgcatt atgagcttcc tcgagctctg tccccctcttg tacagacaga ccattatcat 1320
gaaatatcca tctatgcgta cgagctcgct ttcgc 1355

<210> 19873
<211> 1355
<212> DNA
<213> Aspergillus nidulans

<400> 19873

gctattggcc gtcgcgctgt tcttcgtttc gtcaattgta tgcgccacag cgggtggatat 60
ggcaatgttg attgtaggcc gcagttttca ggggtgttgc ggaggtgggc ttatccagct 120
cattctcata actatatcgg atctgttcag tgtcaggtga gattaacaca cttctagctc 180
ggtgcgtttt gcttacgcaa cgcagactcc gtagcctgtt catgggtctt atggaatgta 240
cctggacggt ggctgggtgc ctcggctcctg tgcttggtgg tgtcttcacc gagtccatct 300
cgtggcgctg gatcttttgg attaattctc cagtatgcgg tacggctttc gtgctgctga 360
tctgttcct ggatgtccat aatcccagga cacctatgct cgaaggaatc aaggcagtag 420
actggtttgg cagcttgtec attctagcca tctccgtcat gattctctc ggattagact 480
ttggcgggca taccttcccc tgggatagcc ctaaagtgat ttgcttgatc gtgttcggcg 540
ccctgatgtc cgttgcatte atctacagcg agaagcgtct ggcgaaatac ccgctcatgc 600
ccctccacat cttcacaagc cgttcaaata ttgcttgctt cttggtggac ttcacacacg 660
gctttgtcag tcaatgctaa aacaattcta ctccgtttta aactgccagg ctaacattaa 720
caggcatttc tcggtgcgga gtactacctc ccactctatt tccagtctgc caaagcggcc 780
tcccctttcc actcaggtct gctcattctc cccttcatcc taaccgaatc cttcaccagc 840
ctcgcagttg gcatcgtgat ccaccgcacc ggccgctacc aagaggtcat ttggctgggg 900
atggccctcg tgctgctagg aacaggcctc ttcattgact acagcacttc cacatcgctt 960
gggaagatca tcggctacca aatcatttcc ggcttcggat gtggcctgct cttcttcccg 1020
ccactcctcg cactccaaag taacatccca acgaaagaca ccgcaacagc aaccgcgaca 1080
ttcgggttcg tgcggaatgt cgccatggcg ctttccgtcg tgctgggcgg cgttgtcttc 1140
caaaatagca tgggtctgaa gagggatctc ctagaggacg ctgggctgtc cagtgccttg 1200
caagaggact ttacaggtgc ggaggcggcg gcgaatgcc tggctgtaaa ggatattacg 1260

gactctttgc agagagaagc tgtcgagacg gcatttgctt ggagtatccg aaatatctgg 1320
 attttgtata ctgctcttgc cgcagtgggc cttgt 1355

<210> 19874
 <211> 1358
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19874

gcgttgctgt ggggcttgaa tcatacttat gaaaatgggtg atgaggtgca aagagatcgt 60
 gaagacgaga atgaagggtta cttccctaca ccagaggaga tagtccgtgt tgatattcct 120
 acgttacgaa cagcagggtt atcacagcgc aaggcggagt atatccacgg cctcgcggag 180
 aaatttgcga gcggggagtt gagtgcgacg atgttggtga acgctagtga tgaggagttg 240
 ctggagaagt tgactgctgt gcgaggactg gggagatggg cggtcgagat gtttgcgtgc 300
 ttcacgctca agcggacgga tgtgttttcg acaggggatt taggtgttca gtgagttaac 360
 taaattcctt aacgccttgt ttttgggctt ggatttacat ctgcttcgca tccaacgagg 420
 cagaatgaat tgaagctgaa ctggactgac tgcagcgtag gagaggatgt gccgctttca 480
 tgggaaagga cgtaagtaaa ctcaaggcaa aggggtggtaa gttcaagtac atgtcggaga 540
 aagagatgct agatttggcc gccaaagttcg cgccgtatag gtatgttctg tttcaagctc 600
 cgaagtttgc aatatgtgct gcattactca catctctcag gagcctcttc atgtggtaca 660
 tgtggcgtgt agaagaagtc gatgtcactg tgctgagcgg ctagagcgag tagctcatac 720
 acctgttggt gtctctgttt gcaagcaagg cagggaccac gcttatatca tctcaggatt 780
 tttagaaaca ggcatagata tcttaagtgt atataaccgg acacctagtg agctgggctc 840
 taggtcacca atactcgag cgcataaata ctacctgat atcaagcagt aacaaaatag 900
 atttttacag tatcagtaca cgtggtttgc acgacataac tccaaaggct caagcaaag 960
 gcagatgctc caatcgacgg agcataagcc cgaaagaaca ggtcttgtat cgtcttattc 1020
 cacacgtcta tacccttggg gagggtttgt agctttgtaa tttacaaaaa gctatttatt 1080
 tctttcgggt gacgacaagg ttgtcaaggt cggcacgctc ggcgttctcc ttctcgatct 1140
 cgcgatgat ggggctgagg tactcgacat cctagcggcg caatcagtat gtcattctta 1200
 acaaaccgct ctttagaagg ctctatcgtt cagtagacgg catatccggg gtatcgattt 1260

gttgacaaat ccggcgtagc ggattgggtca aaaggatgcg gagactgaga aagcgcttgc 1320
gactgaaaga agctcaaatt gactcacctc gttgggct 1358

<210> 19875
<211> 1359
<212> DNA
<213> *Aspergillus nidulans*

<400> 19875

tccgcaatcc agccgctaca acgaccatca ccatgcccac cctccctcac ctcacggtga 60
acacctacaa cctcaccgtt gtaatcctcg tggccatagg cacaatctcg acagcgtagt 120
gcctcgccgt cattgggtcc accgtcggcc aaccgaattt ctacaccttc ttcgacctag 180
aggccgacac caccgatccc gactacaagc acacgacgaa tatgatcggc gccttgaatg 240
gcgtcaactc cgccggcgcc ttcattgggtt gtatcctgca agcctggagc tctgacgcat 300
atgggcgcaa gaccaccatc cgcttgggcg cggcggtgct gattgtaggt gcgcgctgtg 360
cgctggggcc gtgcatatgg ccatgtttct ggctggccga tttgtcgctg gtctaggagc 420
tggcattcta gcgtgtagtg tgccgatcta tcaggcagaa gtgtcgacgg cagagacgag 480
gggtgccatg gtctgcgtga cgggcgatc gtatgcggtc ggctatagcc ttgccggatg 540
gttaggttac gcctgctggt tcatggaggc gacgagccca gcggcgagcgt ttgcatggcg 600
gtttccgctg gccttccagg tgcttttccc gctgtgcgtg ctcgctcggtg cgccgtttat 660
tccagagtca ccgcggtggc tggttgcaaa aggtaaaggg gttgaagctc taagcggtgct 720
gcagaaactg cactcgacca acgggcatag caacggcgac aacaccaaag cgcggaaga 780
gttcagcctg atggagaaac agctcgaact cgaccagtcg cgtatcgtga aatccagggtg 840
gccagcgcta gcactcttct ctacgccgcg aaaccgtaaa cgctcactca ttgcgacgat 900
tctcatgata ggaaaccagt tcctgggcac ctctgtgctg accaactacg gagtccttat 960
ctacgcctcc cttggtctaa cagggtctat cccgttgctt ctgaatgcct gctggacatc 1020
attcacgctt atcggaaca cctggacagc actgtacatc gaccgcttcg ggcgcgctcg 1080
tttctgctc gccggcgcaa caggctgcac actgtgcatg gtcttcttgt ggcactgac 1140
ggcatctttc ctgaatacag acaacacccc cggactgcgg gctgcggtct tcttcatctt 1200
cttctatata ttctggtggt gtttcttcgt ggacgcgacg cagtttgccg tacattgctg 1260

agatcttccc caaccatcta cgcagtcagg gagttgcgct gggactgggc tggttttatc 1320
tctcaagtga agtgaccctt gttgcagcgc cggtagggt 1359

<210> 19876
<211> 1360
<212> DNA
<213> *Aspergillus nidulans*
<400> 19876

gccagacaaa aagcacggca gacaatggcg cggctctccgc taccgcattt tcatcgtcta 60
cagacggctg ttctcgtggt tcttcattggc aaaccttgcc atgctgatat gcttcttgac 120
gttctccatc aaccgccggc atataaccac cgtttccttt gtcaatctca caattgcggt 180
cctcgtccgg caagatatgg ccatcaacat gttatacgcc gtatgctgct cagtcccaac 240
gtcatggccg cttgcaatcc ggaaacgctg cgcaaagatc taccatcttg gagggcatgca 300
ttccagtgcc gctgttatgg ctgtggcttg gtatacgggg gccatctgtt acaacatcaa 360
ctccttcgtc aaccagccag aggatcctct taggccttcc gttctaacaa taacgctgtc 420
ccttctgggt tgetcaatct tcatcacaat gattggcttc gcatacccca cctccgcaa 480
gaagcaccat gacctcttcg agcgcgtcca tcggttcggc ggggtgggtg cctcgtgat 540
catctgggtg cagaccatct ctccattcgc agaacagcgc gtcagcagcc gctctttggg 600
acatgccata gagtcagagc cggccttctg gatgctgctc gtcattactc tcagcattgc 660
aagctcctgg cttttcttgc acagcgttcc cgtcgacgca gaagttctct caaaccacgc 720
cgttcgtttg cacttcacat ataccgtccc cgtaaacggg acgttcattc gactttcgcg 780
gcggccggtg ctggaatggc actcttttgc ggcagttcct gcaccggagg ctgtcgatgg 840
gcgggaaagg ggttacagtc ttgtggtgtc gagggccggc gactggacag gaaagcagat 900
tgagaaacca cctaccgga tttgggtgcg cggaattcca agtgcgtcgt actcttctct 960
gtctcccatt attcgtagct gaagaccgta ctgatgaaa cacagccagc ggcgtaatgc 1020
gcatctcccc gctcttcacc cgtctcgtcc ttctgggaac aggctcaggc atcggtccac 1080
tgcttggtca cattcaatcc ccaggcttaa gacacaggtg ccccgctcgt ataactggt 1140
caaccccgtc tcccgtctcg acatttgggc aggaaatcgt caacgcggtc tacgctgctg 1200
acgcggggcg tgcgtccac gacacgaagg tactaggccg accggaacta gtaaaaatat 1260

gctgggatgc cgtgcaggag ttttaaggcgg agggcatcgt tgtcattagt aatgagaagg 1320
 tcaccaagaa ggttggttat gggatggaga gtcggggcgt 1360

<210> 19877
 <211> 1360
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19877

ccccaaacac gccgcaaac aactgcggac gcctaacgca gggcagaata ccatctcgga 60
 cctgttggcc ctatcaccag ggatgcagaa ttcagtttgg cttctaagga gaacagaggg 120
 ggctcgcaaa gctctgagtc acctgtgcct gcgcccacac cccatcttca caccgtccaa 180
 aacctgaacg agttcgagtc catcgcaaag gcctgcttgt ctccaaacgc ctgggcctac 240
 tacaattctg ctgcagactc cctcgcgtct tttcacaaga acttgacaga ctgggtccaag 300
 atcgctttac ggccctcgcat cctgcgaaac gtatccaagg tgtctctggg aaggaccatc 360
 atgggccatc gaagtagtct ccctgtatct attgcacca ctgcgcgcgc aaagctaggt 420
 catccagacg gcgaggtgtg tcttgccgct gccgctgcga gacataatat cctttacgcg 480
 gtttcgagct acgcctctat tggacatgcc gaattagcag aagagttcgt caaagagaaa 540
 actaggttgg tccctataag tgcgcggtct gcgcaaggag ccctaggttt ccagctatac 600
 ctaccgatg acaaggaaaag aggcggacgg gcattgattg cgaaggcaaa ggacttgggg 660
 tttcaagcgc tagttgtcac tggtgacacg cccgttgctg ggaaacgcga agctgatgag 720
 cgttttcagg cggagctgga ggtgatctct tctgaccgtg cagccgtgca ggtcaacgta 780
 ccgcgaaagg ccgagcctgg tggtgacgct cctgttctcc gcgggttcca ttcgtcttca 840
 ctcgagtggg acgatatccc atggatacgg gaggcttggg gccgcagcc gctgattatc 900
 aaggggattc agacagccga agatgcgctt cgggcgagcg aggcaggtat tgatgggata 960
 tacctcagta accacggtgg ccggcagcta gactacgcgc ccagttcaat tcagacactc 1020
 ctcgagatta atcgtttttg tccggaggtt ctcaaacgag tcgaggtgta cctggacgga 1080
 ggcgtgcgac ggggaacaga tggtatcaag gcgatttgcc tcggtgcgaa gggggtaggg 1140
 ctgggccggc cgctgttgta cgcgctcagc gggatggga ctggcgggt cgataaagca 1200
 ttacagagtg agtccgtctc gtccttaact gggacaatga cactgatggc catagttttg 1260

agtgatgaaa tcgagaccag ttgcgctctt atgggcgttg ttgacgtgtc cgagttagat 1320
 ttgtcgtttg tgaacacgac tgctctggaa aaggacctgg 1360

<210> 19878
 <211> 1363
 <212> DNA
 <213> Aspergillus nidulans

<400> 19878

cccgcccat gtcattacg accctgctgc atacgcatct taccagcaag gcgctatgca 60
 gcaaggttac ccgccagccc aggcaatgca gaagggtcaat gcgccacgca gtacggcatg 120
 catgcgcccc caccgccgca gcaacagcaa cagcaaattgc aggcaatgca acagcaagtg 180
 gctgcgaaag aagatattcc ccagcaaccg aaggtcagga ttggcctgga ccacttcaac 240
 ttccttgctg ttctaggaaa gggtaacttt ggtaagggtca tgttgccga gaccaaggct 300
 accaagaaac tatatgccat caagggtttg aagaaggagt ttatcattga gaatgacgaa 360
 gttgagagca cgaaatccga aaagcgagtc ttcctgatcg ccaacaaaga gcgccacccg 420
 ttccttctca acctccacgc ctgtttccaa acggaaactc gcgtttactt tgttatggag 480
 tatatcagtg gtggagatct catgctgcac atccagaggg gtcagttcgg tctgtagaga 540
 gcgcagtatg catccccacc tagtttaaatt ttggcgatac aactgacgta attttccagg 600
 ttctatgcgg cggaagtgtt actggctctg aaatacttcc acgagaatgg cgttatctac 660
 cgtgatttga aacttgacaa catcctacta actctcgatg gccatattaa gattgggtgat 720
 tatgggtctt gcaaggagaa catgtggtat ggatctacta caagcacctt ctgtgggtact 780
 ccagaattca tggctcctga agtatgatca cctcgctcaa tttgaattct gggatgctaa 840
 tgacttgagc attctccttg acaagaagta cggcagggcc gtttattggg gggcttttgg 900
 tgttcttata tatcagatgc ttctgcagca gtctccattc cgtggagagg acgaagacga 960
 gatctacgat gccattcttg cggatgaacc tctctacccc attcacatgc ctagagactc 1020
 agtttctatc ctgcagaagc tggtgacgcg cgacctgaa ctgaggctcg gttccggccc 1080
 cacggatgcy caagaagtta tgtcccacgc ctttttccga aacatcaact gggatgacat 1140
 ctaccataag cgcgtgccgc caccgttcat gcctactatc agcagcgcca cggatactag 1200
 caacttcgac caagagttta ccagcgtcac tcctgtgcta actccagtgc aatcaggtaa 1260

gacacttcta atttttttct ctacttcca gatactaatac ctctttttta gttctttccc 1320
aagcgatgca agaagagttc cgtgggtttct cgtacaccgc gga 1363

<210> 19879
<211> 1363
<212> DNA
<213> Aspergillus nidulans

<400> 19879

catcatgccc gccgatcttg ttcccgagac aagggtcctt gccattgccca gccatgtaag 60
cgtccctccc cctccctctc cgcgcccacc atgacagccc acttatcaga atcaaaactga 120
cacttccagg tcgttttatgg gtatgtcgac ccttgtcata tcatgtacca atctgtatac 180
atcaatgatc agcagctgaa ctgaaatcaa agccatgtcg gcaataaaat ggcaaccctc 240
gtcatgcagt ctttgggctg tgatgtcgcc gccctgaaca ccgttcattt cagtcatgat 300
atcttaatat tcatacgtcc agaactgaca gttgcactag gtaaccacac tggataccgc 360
caattcaaag gtacaagagc cacggcagag gaaatcagga acctctatga agggctgtgc 420
atgagcaacc tcacagactt tgatgtcatg ctctccggat acgccccag cgctgcagcc 480
gtcgaggccg tcgggagtat tgggatggac ttgaaacgca aagctgcaga ccgtcccggt 540
tcattcttct ggggtgcgcc gccgtctctc agtgccatct ccagaatcta ctaacgacgt 600
cgtagtcctg gaccagtta tgggcgatca aggtcggcta tatgttaatg atgatgtagt 660
gccggcgtag aagaatatca ttcagcacgc ggacctgatt cttcctaacc aattcgaggc 720
cgagtattat ccccgctcca tcccagcccg tagtcccaga gacacgacta acagcacaag 780
ggctctctcg ggtatccaga taacttcact ggaaacactc gcaaaagcaa tcaccgccct 840
gcatgaaacc tacaacatcc ctacgtaat aatcacctct gtgcagctct ccaagctcct 900
cccatctccc gaaaacccat cgccagactc aacacagaac ctctcacta tcattggctc 960
gactacactg tcaacgggta aaccgcgcct tttccgcata gatgtcccag caatagactg 1020
cttcttcagc ggtacaggcg atatgtttgc tgcgctaact gtcgcccggc tccgagaagc 1080
cgtatttgcg gatgcagatg aaaacctacg atataaaaag tcatggattc cagctgatga 1140
tgtgaagccg acggagttgc cgttggcaaa ggcaacggag atggttctgg ctagtatgca 1200
taatgtgctg gagaagacca gcgagcgag agatgcggag cttgcggcta ctgcggctgc 1260

tgctgctgct gctggagctg aggagactga ggaaatgaag aagaggggaac acttgcgacg 1320
gacgaaggca gcgagatac ggctggtgcg gaatgtgcgg ttt 1363

<210> 19880
<211> 1364
<212> DNA
<213> *Aspergillus nidulans*

<400> 19880

tcgagcagac tgttacattt ggagaaggta actcgatgct tctccttggg tcgctgggg 60
cgggtaagac ggccatcata gagagtattg tctcctctct gaagcaagag cacaagaacg 120
acttccatgt cgtccggctc aacggctttt tacatacaga tgatcgactg gcgctgcgtg 180
agatatggcg gcagcttggg cgggaaacga atacggaaga ggaagcagga aaggtgacca 240
gttatgcgga taccatggcc acattgcttg ctcttctctc gcacctgaa gaattgcagg 300
cctctgcaga caaccagaac ggcacaacga cagccaagtc gatcgtgatt gtcctagatg 360
agtttgacct gtttgcaca catccccgcc aaaccctcct ttacaacctg tttgatatcg 420
cgcaagcgcg taaggcccc ttagcgggtc tcgggggtgac caccaaagtc gacgttaccg 480
agatgctcga gaaacgagtt aaaagccgat ttagtcacag atctgtctac gtgccgctgc 540
cgaggacatt tgaggatatt tctgatgcct gcttaggcgg ttagatctc gaagaatctg 600
aattcgccag cgccgatgat ctatgggacg ccaagtcga cagctggatg atggccctgg 660
atgggtggag agcgtatcta caggtaagac cacaggcttg ttccggcgtc agacttgtct 720
caaactcttg ctacaccac ggccttgctc tatagggact gtgggccgat ccggccttcc 780
aaacacatct gcgcagaata taccacacaa ccaaaccgt cggggaattc ttcattgagcg 840
cgctgattcc cctcacggaa cttcatcaca gcctggccac ttcaccaatc atccccactc 900
cgagcacctt ttcaacacac gctctctcct gcccgatcc cgccctctc cccttctctg 960
cctctctctc cacatcacc tctcagccc catcctcct tccctctct cttctctctg 1020
ccgcaaccgg tctgacagcc ctatacgatc caggctctgc tgaaaccgca gcgcaagatc 1080
tcgccccact cgccctctcc ttccccggcg cctatgcaga atacgtccga cttctgacct 1140
ctgcgaagac ctctgcctct gtttccgggg cgctcgtgac gccggggcgt gtctggggga 1200
gggatgtggc acgcgaggca tgggagcgcc ttgttgcttg ggggcttggt agtcccgctg 1260

gtggtgggag tggcacggct gatgggcgga tgttccgcgt tgagatcagc tttgaggagg 1320
 tgggtggggct gggttggtaaa ggagggtccc ttggacgggtg gtgg 1364

<210> 19881
 <211> 1364
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19881

tgcccatccc aggtgccttt acgtcctacg ctactcgatt gattgaccct agtctggggt 60
 ttgctatggg ctggatatac tggttctcct gggccatcac ctttgccctt gagctgacgg 120
 caactggatt gattatccag ttttgaacc aggatcttaa catagcaatc ttcattgggtg 180
 tcttctgggt cttcattact ctattcaaca tgcttcagc cagtttcttt ggtgaactgg 240
 agttctgggt ctctagcatc aaagtcctca ctgtcatagg tagggatgcc gctaatagcc 300
 caatattact ttaactaacc atttgcagga ttcattgatc tcggtatatg cattaacgct 360
 ggtgccggaa aacaaggcta tatgggatcc gacacctggg tgcattccggg gccatttgtg 420
 gcctacgata atatttcacc tgattcgacc gccaaatttg ttggtttttg ggctgtcctc 480
 atccaggctg cattctctta ccaaggaacg gaattagttg gtattgctgc cggtgaaacc 540
 gagaatcccc gcaaaacagt gccctcggcc atccgcaaga cgtttttccg tatcctgttt 600
 tttttcgttt tgacgatctt ttttatcggc atccttgtgc gcagtgcga caagcagctt 660
 ttgaattctt ccactgatgc gaatgcctct ccgttcgtca tagtggccag aaatgcagga 720
 gtcgcggtcc tgccggatat catcaacgca gttctgtgta ctgtgggtgct ctctgccgcc 780
 aattccaacg tctacagcgc cagtcgcata ctgatcggtc ttgccaaga acgttcgccc 840
 cccgtttctt caagaaaacc tcgaaggctg gtgtgcccta ttacagtgtt gcattcgctt 900
 cggcgtttgg tctgctagga ttcattgaacg tttccaattc aggtgccacg gtgttcaact 960
 gggttctgaa catctccagt gtggctgggt tgatttcatg ggcgtccatc ttagggtgtc 1020
 atttagcggt catgcgtgct ctaaaagctc gcaacatttc tcgcgacctt ctcccttaca 1080
 aggcgttgtg gcagccatgg ttctcatggt acggcctttt cttcaacggt cttatcatca 1140
 ttaccagggt attcactgcc tggatcccag aattcagcgt gaccgatttc ttcgtcgcat 1200
 acattagctt gattctcttc gtcgttctgt accttggtcca caagattgtc tatcgaccat 1260

cgttcattcg ccctatcgag gcagacatcg acactggccg tattgcgctg gaaaatgagt 1320
actgggagac tacaatctcc gacgagaagt ggtataagcg ggcc 1364

<210> 19882
<211> 1368
<212> DNA
<213> *Aspergillus nidulans*

<400> 19882

ttgatgccga gtcgggccac ctcccgagcc atggagaaga cgaaatcgag ctggagcgca 60
tcaacaccta tcgactccaa cagcaggaga cagtcgggtc gagccgaagt cggattcctc 120
gagagcaatg gctgcctctc ggcgctggca aaccttatcc cccggaccta cctaattgtc 180
aggcatatat cgttgagttt gagggggccg acgacctgat gcaccctcaa aattggccaa 240
tgacaaggcg gtaggtatcc tgttacctat tcaaccggct tgggtgctgat gaaagcagtg 300
tggccctagg ttgcatctta acgtttgccc cgctagttgc cgcctatggc agctcggctc 360
ttgctactgc tactccgggc actatgagtg agtttggtta cggacgagaa gttgctgcgc 420
tcgggacgac gctgtatgtg cttggctttg ctgctggacc gacgatatgg gcgccatgt 480
ctgagctcat cggccgacgg gtgccgttgc tggtagggat gtcgggttc gatattctca 540
ttatcgccac ggctaccgca aaggatacgc aaacggctcat gtcacacgg ttcttctctg 600
gactgttcgc tgccagtctt attgcttttag taccagctag cctgtcggat ctcttcaaca 660
gtcaccaccg cggcattgct atcgcggtat ataccatgtc cgtgttccta gggccgtaca 720
cggcaccatt cattggagga tacacagcag aaagctatct cggctggagg tggacactgt 780
atgttctctg gatagtaggc ttcttcgctt taggattact tgtcatcttc gcgcaagaaa 840
catacgcccc caccatctg gtgcagaaag cagccatcct tcgcccag acccgcaact 900
ggggcattca cgctcgccag gaagaactcg aaatcgacat ccgtgaactt cttaccaaga 960
actttacgcy gccgttcagg atcctcttca ccgaacccat tgccttcctc atgaccctgt 1020
acatgtcttt cctctatggg ctgacctacg ccatgctgca agcattcccg ctcgctcttc 1080
aaggcgtaca tgggatgtcg ctcggtgtta gcggactacc gtttattgga ctcatcatcg 1140
gcgagatcct ggggtgcagc tttgtgctct ctttctacaa gtcgtatacg cggaagttga 1200
tcgcaataa taatgttccc gtcccgaat ggcggctacc gccgtgtatt gctggtggta 1260

ttgcgtttgc aggaggactc ttctgggtata gtcaaccttt gtgcttctta caacagttac 1320
 taagaatgag aacaggttcg gctggaccgg cttcagcata tctatcca 1368

<210> 19883
 <211> 1370
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19883

cgcagtatga accaaagcgt cgtgtggctg gtagtagtga tgacttgagt gaaccgaaga 60
 ccaccgttca ggttctcgtc ctcggggata ttggccgcag cccccgcatt cagtatcacg 120
 cattaagtat cgctcgcggc ggccggacatg tagatattat tggatactcc ggtaagataa 180
 tcacaaatth caatcacgca tgctgactca attaccgta gagtcggaga ttcattcctga 240
 tgthttctctcc catcccaaca tctcagttgt cccgattcct cctcatccga gcgttctaca 300
 aacgagcaac aaggtgttgt ttctgtttgt cgcgccctg aaagtacttt tccaagttat 360
 cgcttttatgg tggattctcg cataccacac aaagcctgcc aaatggcttc tcattcaggt 420
 ttgttattcc gcgatctata ttgctggag ttgtctaacg tgctgggctg tagaaccgcg 480
 catccattcc aactctggct attgcctcac ttgtttgttt cttccgacag accagacttg 540
 ttatcgactg gcataacttc gggtatacta ttctagcgtt gaaacttggg gacactcatc 600
 cgttggtgaa agtctccaag tggtagcaga acgtgttttg caggtcggct gttgcgcatt 660
 tctgcgtaac caatgccatg gcctcagtgc tgaagaaaga gttgatctc caggcgccaa 720
 ttctaccgct gcatgatcgc ccagcaagtc atttccggcc gatcctagac gagcaggagc 780
 gcaaaagctt tctcttatct ttacccgagg cagcacctat gcgcaggcca attgaagaag 840
 gaaacacaaa agtaattgtc agttcgacgt catggacgcc tgacgaagac ttctcactcc 900
 tcattgatgc tttatgccgt tattcagaag tatccagcac caccaagcct catctaccgc 960
 cagtgcctgc catcattacc gggaaaggct ctcagcgca tatatatgtt gagcggatat 1020
 ctagattaca aaaagagggg aaactcagca aagtcacat atgcactgct tggttaagta 1080
 ccggtgacta cgcacgtttg ttggcatccg ctctcgtagg cgtcagtttg cacacgagca 1140
 gcagcgggtg tgatttgccc atgaaggtag ttgatattgt cgggtctggg ttgcccgtgg 1200
 ttgggtggag taaatttagg gcgtggccag aattgggtcac ggacggcgtt aacgggaaaag 1260

gttttgaag cccaagtga ctggcagaac agcttgttga gtccttggg aaccctgaaa 1320
 atctgaacat gctgcgtgca ggtgcgcagg atgcaagcgc ctttcgctgg 1370

<210> 19884
 <211> 1374
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19884

ctgactggag ctatttctgg ggtaattcag gcaatcgttc atccaccgat gatccaaggc 60
 acccaaatcc tgccagcgaa gatgatgaga ttgaacctga ccagggcaat ggtatgtgct 120
 tttcttttagc tttttaccgg ttgtaccgct cgtaggttcg cctgggcgcg atgctaacca 180
 agatcccgat cgcaacagtc ctgagccaca tcatttccca actccggcct ggagcagacc 240
 tcagtcgggt tgtattgccc acgtttattc tcgagccccg gtctatgctg gagcgaatca 300
 cgaagtatgt cagcttcggc tggacctctt atgtactcta gcaggcaaac gactaatagg 360
 attctagctt catggcacac cccgaaaccc tactaccat gccacgaac gatgaccctc 420
 tcgagcgctt tgtatccgtt gtcaagttct acctgagtgg gtggcatatc aagcctccgt 480
 acgtcgatct tgattgttcc ttggagacaa accgaatcta gagggttttc tactaacaga 540
 gcttagggga gtcaagaagc cgttgaaccc cgtgctcggc gaaacgtaca cctgctcctg 600
 ggaatatccg gatggtactc gcggatacta tatttcagag cagacctccc atcatccgcc 660
 gaagtcaagc tatttcttta tggcacctga gcatcatatc cgaattgatg gcacactcaa 720
 accgcgaagc aagttccttg gtaattccgc tgcgagtatg atggagggta tagctatcct 780
 acgattcctg aaccgtggaa acgacaagga acggggagaa cgatagtagg tgaaatgtac 840
 atggtgctat tccacataag ggctaacacc atcagcattt tgacgcaacc taacatgtac 900
 gccaggggta tcctcttcgg aaagatgaag tatgagcttg gagatcatag cttcgtgaga 960
 tgtcccgaga acgatcttgt cgcggatatc gaattcaaaa ccaaggggta cttttctgga 1020
 acctacaacg caattggcgg aacaatcaag aatgaaaaaa ccggagaagt atactacgag 1080
 atttctggtc tttggaatgg cgagatgtat attaagagcg ttcacgtatg tctttcatcc 1140
 cttttcttga cgccagcgtt gcagattaga actaaccac gtagtcccac gacaaagaac 1200
 ttctcttcag tgctaagaaa tccaagccaa cattcccgac aaccgcccc attgaacaac 1260

aaggcgagcg cgagtcccag cggttgtggc agagcacagt gaaggctatt attgcctcaa 1320
 accatgaaat ggccacggac gagaagacta agatcgaaga ccgccaacgc gaag 1374

<210> 19885
 <211> 1378
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19885

cgcgctggg tccgaaatta tgtagacacg catatcgac cttacgcgca agaatgggaa 60
 gaagctggcg agatcccgcc tcatgtatac aaaacacatt gcgagcacgg attcgccatt 120
 gtccaccac tcaccacacc agaagactct gcgaacctga ctttgcccg cgggtgtgaaa 180
 aggaagaat gggatacatg gtgcggaactc attgtcgcg atgaactgaa ccgacttggt 240
 ttctgctggg tgatctgggg ccttggtggt ggaaactcaa tcgggtgtcc gcctattgcg 300
 cgctttggga cgcccgagca acggcgagg tggctgccga agtcgccaag ggagagatca 360
 ggttttgttt ggggattacg gagccggatg gtatgttctt cttattatat tgatctgtga 420
 tctttgacat ggtggatacg agctgacagt gacggccgat agctggctcg gacgtcgcaa 480
 atatccgcac caccgcggtc cgtcaaggcg agtactacgt cgtcaatggg tcaaagaagt 540
 ggattacgaa cgggatctgg gcggattatt gcactgctgc tgtgcggact ggtggacccg 600
 gacggggtgg gattagcttg ctggttatcc cactgaaagc ggaggagatt actaggagga 660
 ggatgcataa ttcgggagta aatgcgagcg gtacgttaaa ttgagacgtc gggggctctg 720
 agggacgagt aagctgaccg gagattcgcg gctacaggat caacattcat tgaattcgat 780
 gatgtgcgtg ttcccggtga ccatctcatt gggaaagaga acgggggttt cccgctaata 840
 atgtcaagtg cgtatcctcc atgaccagac ccaagtcac ctcgacggaa cccaggtttg 900
 cagtttgcaa aatgcaagga gctaacacat agcagacttc aatcctgagc ggctttccct 960
 agcctgcgcc tccctacgtc tcgcgcgtgt ctgtgcggaa gacgccttca actacgccac 1020
 gcaacgctca acatttgggg ctcccctgat aaccgacaa gcgatccagg caaagatttt 1080
 caagtttggg ctctaattg agcccgctga cgcattcatg gagcagctgg tcaacatctt 1140
 agagaagaca aagaatgagc ctagagatga cgtgagaatt ggcggaatga cagcgctctt 1200
 aaaggtcatg tccacgaggg cgctcgagaa gagtgtgcgc gaagcgcagc agattctcgg 1260

cggggcgggg tataatcggg cagggaaagg ggcgagaatt gaacagatta gccgtgatgc 1320
cagggttcat gttgtcggag gcgggagtga ggaaatcatg atgggtttgg cgctgcag 1378

<210> 19886
<211> 1379
<212> DNA
<213> Aspergillus nidulans

<400> 19886

caccctcaaa agcgccaacc ctagcagtgg cgcctccaac aacctatccc ttgacgtccc 60
tagtatcgtg cgcagtgtga tcgaagacat ccggcagaat ggcgataaag cactgcgctc 120
gtattcagaa aagttcgaca aatggagccc cgatagcttc aaactgtcca aggagcagat 180
tgacgagatc gtcagcactg tccccgcaca ggtcattgag gatatacaaga ccgtgcagca 240
gaacgtgcgg acctttgccg aagagcagcg caagtccatc agggactttg agtatcagat 300
tcagccgggg gtgtttctgg ggcagaagaa tatccccatc tctgcggtcg gcgcgtatgt 360
acttaccctt gccagaccta ataacgttct tgtatggact cgtcttgtgc tctcaggtac 420
attccccggc ggcgctaccc cctcctcgcc tcagcccaca tgacaattgt gactgccaaa 480
gccgccggtg tttcgcgtgt cattgcctgt acgcccccta ttcaaggcaa aatccccgga 540
tcgacggtgg cggcgatcca cctagctggt gcagatgaaa tatatacct cggcggcgtg 600
caagcgattg cggcaatggc attgggaacc gaatctatca acaagaccga cttcatcgca 660
ggccccggga atccgttcgt tgcagaggcc aagcggcaac tcttcggcga gatcgggatc 720
gacctgcccg ccggtccgac ggaggtgctt attgtagcgg acgccaagc cgatcccttt 780
gtcgttgcaa cagacctgct gtcgcaagcg gagcatgggc ccgatacgcc cgccattctg 840
atcacggatt cgagggatgt tgcggagaag acgatcaaag aggttgaaag actgctaccg 900
atccttccga ctagggcgct ggcggcggtt tcatgggaga ggttcggaga ggtacaactt 960
gttgaggatc tgaatgaggc gtacaaactt gcagatgagt atgcgagtga gcacgttcag 1020
atcttgacgg agaaccctag ggaggcgtg gtcaagatga agaactacgg ggcgctcttc 1080
cttggcgaga agacgtgcgt ttcgtatgga gataaggtat gtctactctc gccgtctagg 1140
acgataccaa agttttattc agactgtatg gataactgac gaacgccgta gtgtattgga 1200
actaaccatg ttctgcccac taaaagcgca gcgcgcttca ctggcgccct ctgggtcggc 1260

aaatatctga agaccgttac ctaccaagag gtaacagacg cgaaagccag tggcgaactc 1320
 ggtcgtctgt gtggccgtgc tgetcgggca gaggggtttg aaggccatgc tcggtctgg 1379

<210> 19887
 <211> 1379
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19887

ataaaactca agtatatcat tcagcagcgg ctatgatggg cttgaagtta ccatttcttc 60
 tggaagacct caaattcaac attcccgtgc cgtatacgcc gcacgtggac cagcaactgc 120
 tcgaagtgac caagcaaaaa ctgccttag ctcgataccc cgaagagcag acagattttg 180
 gagagaaaga ttggtctcag ggagccaagg tctcccgtat aaaacagttg gcggatttct 240
 ggaaagacca gtacgattgg gaggcggaag aggtgcgttg aagtatcccc tcgtggagag 300
 ctatcgctga ttcgaaccct cagcgacgcc tgaacgacat cttcaggcat ttcctagtca 360
 aggtcgatgt ccctggctac ggcccgtga tgctgcactt caccacaac cagtctgcca 420
 gaccgaatgc tataccattg ctcttctccc acggctggcc cggttccttt gtggaggcta 480
 ttcgggtggt gcttctttg actgagccc aggatgcaa agatccagcc ttccacctcg 540
 ttgcccgtc aattcctggt ttcggttttt caccgcgcc ctcaaatct ggcgtcggcc 600
 cgaatgtggt cgcgcgcg tacaagatcc ttatgacgga cgttttgggg tacccaaatt 660
 tgtgaccagg gcggcgattt cggtcttttc attacagag ccattgccat ccagtacccc 720
 gcacttgtgg cagcacagca cctgaatatg ttcccgtgcc tcctccgact ctctgggccg 780
 caccgtacgc gtacttgccg tggctcgtgc ggcgctgaca tactcagagt tcgagcacga 840
 ggcatcgct gtgcgccgga actttgagca agatcagagt ggctatctcg aggagcagag 900
 aaccgggccc cagacgcttg ggttcgcgct gggggactca ccaactgggc tgcttgctg 960
 gtttgttgag aagctccatg actggggcga cgtgcatgag gcgttcagcg ataccgatat 1020
 tattactttg gtgatgatgc actggatcca aggcgcgacc cctggcctga ggttttaccg 1080
 ggaggctttc ggatgcggaa aacgtgaggc ggagaagacc ttcgagactt atgtgtcgg 1140
 gccatgtggt gtcagtatgt acgtgaagga acaactgcat gtgagtcata cggcccgacc 1200
 ttgttgccgc tgtccaggag cgtactaaca tggtaaagtg ccctcgtgac tgggcagccc 1260

aggttgcgaa cattcactac tggcgggagc atgaccgagg aggccatttt tcgtcactgg 1320
 agagaccaga tttgtttgta aatgatcttc gctctttctt ctctccccct gcggtcatg 1379

<210> 19888
 <211> 1380
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19888

cttgcaatgt agcaagaact gattgatgga atagcatact ggatctctga cgccttcaac 60
 gctgcgacct ggcaattcgc ctccagcatt attgcagtag gcctttcgtg gcgcgaatcc 120
 ctcggcatcg tcgcccctctc tttcttcac atctccttcg tcatcgcagc caacggcgcc 180
 gtcggttcca tctaccatat ccccttcccc gtaatcgcgc gcgcttcatt ggggttctgg 240
 ggctcctaca ttgcaatcat ctacgcgtg atcctggcca ttttctgggt tgcgatccag 300
 aatgtcaacg gtgcaaacgc cgtcaaggcc atgatcagcg ctatctggcc ctgcgttcctt 360
 agcatgaaga ataccatccc tcaggaccag ggaatcgaga caaatacgat gatcgcgtac 420
 atgatcttct ggatcgtgca gatgccgttc ctctgcatcc acccgaataa agtgcgctgg 480
 ctgttcgcca ccaagagcgt gcttgtccct gcggcttggg ttgccatact gatctgggcg 540
 ttctgtggcag aggggaaggg cgcgctcttt gagcagaggg ctactgtgtc tggaagtcag 600
 tactcgtggg tctggctcgc gagtatgacg agtgtgctgg ggaattatgc cacgcttagt 660
 gttaaccagg tactgtatct cgacccttag cctcttacct caaccctaca gtgatggcct 720
 gaaactaata tctatatcta cagagcgact tttcccgta ctgcggggtc tccgcaaaat 780
 ggcagctcct gtacatccct cttctccctg tgatcttcac cttcatctca ttcacggca 840
 tcgccgcctc ctctgctgga tggacgcggt acaatacgcc ctccatcccc tgggatccaa 900
 tcgagctgat atcccactgg gactcgcgtg cggcgcgctt cttcggcgcg ttctccttcg 960
 tctcgcattc ctaggcgtga acatcagcgc gaactcgatt tccgctgca acgacctcat 1020
 ggctctattc cccacatatg ttgatctgcg tcgcggccag attatatgcg gtgttatatc 1080
 gtgggctctg gtcccttggg agattttgga gagtgccagc aatttcctga acttcattgc 1140
 tgcatatgcc attttcctcg ggccattgc cgcacatcat ctgtgggatt tttggctgat 1200
 taagaaccga aaatatgata ccgttgcttt gtatcagccc gacacgccga tctaccggtt 1260

caacgcgtgg ctggtaaatt ggcgcgctgt tgttgcggtt ctggttggtg ttatcccgtc 1320
tctgccgggt ttgagtaatt ccgtgaatag ccggattcag gttggcgtgg gcattcaccc 1380

<210> 19889
<211> 1381
<212> DNA
<213> *Aspergillus nidulans*
<400> 19889

cacctgctgg gacgccgagt agctctggaa tacctgtgca ggcaaccgga aatccgttcg 60
agggatacca gctctacgcc aaccgtact acagctccga agttatgact ctggctgtcc 120
cgtcaatgac tggttcattg gccgagcagg cgacccatgc cgctgagatt ccatcgttcc 180
attggctgtg agttacatca agtgtatcat cattgacatt gacgctgatg aatggattgt 240
tcagggatac gacggccaag gttcctacca tgggcgagta tctggcggac atcaaggagc 300
agaatgacgc gggagccaac ccaccgattg ccggtatttt tgttgtttat aacttgccag 360
accgtgactg tgccggccctg gccagcaatg gagagctttc aattgccgat ggaggcgttg 420
agaagtacaa ggagtatatt gatgctattc gcgcgcatgc cgtggagtat tccgacacca 480
acataatcct tattattggt tagtttggtc ttgcaagacc gtgaaactgt gctaatcaaa 540
tacagagcct gacagtctgg caaatctggt gaccaacttg aatgtggaga agtgtgccaa 600
tgctcaggat gcttacctcg aatgcacaaa ctacgccatt acccagttgg atctccccaa 660
cgtatctatg taccttgacg ctggtatgtc tagaacacat ttaaccgctc agtttcgtac 720
ctaattgttg ataggtcatg ccggatggct gggatggccc gcaaaccatg gccagcagc 780
ccagctcttt gcgggtgttt accaggatgc tggcgcgcct gcggcactcc gtgggctcgc 840
aaccaacgtg gctaactaca atgccttcag catcgacacc tgcccttctt atacgtcgca 900
gaatgcggtc tgtgacgaga agggctacat caacagcttt gtcctgagc tatcagccgc 960
aggctgggat gccacttca tcgttgacac cgggtgtgtat gccgttaaaa attggatagg 1020
gacataggct aattctatgc aggcgcgaat ggcaagcagc ccacaggcca gattgaatgg 1080
ggcgactggt gcaatgttaa gggaactgga ttggagttc gcccaactac cgacaccggt 1140
gacgagttgg tcgacgcctt cgtttgggtc aagcctgggt gtgagagcga tggcacctct 1200
gaccagagtg ctgagcggtta cgacgctcac tgtggtgccg ctgctgcctt tcagccggct 1260

cctgaggctg gcacctgggt ccaggtaagt tgcagtcatt tcgattgagt gaggaccata 1320
 tactaaccac acgaccaggc ctacttcgag caacttgtgg ccaacgcaa cccgcccctt 1380
 a 1381

<210> 19890
 <211> 1381
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19890

acgggagagg caccggcttc atcggtcgag cagcagcgtg tatcatccgt ggcaacatcg 60
 ggcactacga agccattgat caaattgcca cgcccaaaaa ttgggcacaa aagccgtacg 120
 tcgacgagtc ccgaatggcg atctggggct ggagctacgg cggctttatg acgttgaaga 180
 ctctcgaaca agacgccggc gagacatttc agtacggaat ggctgttgcg cctgtcacag 240
 actggcggtt ctatggtaag gcgctcaaac ccacccattt cctacttgga ccatgtatag 300
 tcaactaacc caaagcccaa tagattccgt ctacacagaa cgctacatgc acaccccgca 360
 gcacaacca acaggctatg acaacaccag catatcggac atggccgccc ttcataacaa 420
 tgtccgcttc cttgtcatcc acggtgcctc agacgacaac gtccatatcc aaaacacgct 480
 caccctaatt gataagctgg atctcgcgag cgtccagaac tatgatgtgc atttctaccc 540
 tgactccgac catagcatct tctttcacia tgccatact atggtttatg aacgtatgtc 600
 accaattttc tatccataac aaccctgcc cttaacgggt tcaagacttc agctaattgt 660
 tgattgtaaa ctaggccttg caagctggct tgtcaacgcg ttcaatggcg agtggcatcg 720
 gacagcaaac cccgttccag acgagtcgat gttgaggcgg cttgcgaaga gggtttggcc 780
 tggttttgcg cattgatttg ctaaattatt gaataggata tctaaacgtg tatatgagta 840
 tgaagccgga caaccttta gctttgcttt aacagtgate gttttttacg aaggcgttct 900
 ttaggaagcg tttcatgttt gttcttaatc ttttcaaac aaatgcgtaa cacacgcggt 960
 ctatatgate ggcaaagtcc ctaagagagc actatcctca tggcttgaac atcgagaaat 1020
 aactatgtgc accctccagc ctcaagaatg ctgtgtatca tcttgttgtg gctgattgaa 1080
 tgccgctact ttaagggctg ctccctcact catacacact catgagatgt tctttgtgat 1140
 ccggacaagg aggaaaccac ctgagtcaga tccatcacac ttatacagac ggagtacag 1200

gtatccctcc tgcaaacggg tcagtctaat gcaggcccat gaagccaacg agtcgaatcc 1260
gatttcgtca tccttaacct tgaatctgca gcatagtcag taaaatagtc aagccatatt 1320
gcaagtgcaa caacgaacct gacaaacgtc agctcttcca ctacaccagg cagcgtcggg 1380
a 1381

<210> 19891
<211> 1384
<212> DNA
<213> Aspergillus nidulans

<400> 19891

ccacgctgca gacgaccttc aaatccggca agaccaagga gattgcctgg cgcaaatggc 60
agctcaagca gatctggtgg ctggttgacg acaacgaggc tctgattcag gaggccctca 120
agaaggacat gaacagacac ccattcgaga cgacctttac cgagtgcgcg aacgtcaagg 180
gcgatgtcat cgagcacctg aagaacatcg acaagtggac ggcagaccag aaaccgagcg 240
ctggaatgct agggctcatg ctgaggccaa cgggtgcgtcc ggagccgttg ggcgtcgctc 300
ttattattgg gccctggaat ttccctttct cctcctggt tcagccgctg attgcggcat 360
cactgccggc tgtgcggcgt tgctcaaacc gtccgaggtc acatcgtcag tccaacagct 420
gtttgttgat ctgctgcca agtatctgga cactagcgcc gtgcgtgtcg tcaactggggg 480
cccagcggaa accggttgcc tgctgcagcg caagttcgac catatcttct tcaccggctc 540
cgttcccgctg gcgcgtcata tcgctgctgc agcggccaag catcttacgc cgactgtgct 600
ggagctgggc ggacagtgtc cggctatcgt gaccagttcg gcggatgtgg acgcggcacg 660
aaaggacatt gcctggatca agtatctcaa tgctggacaa atctgtctgt ccgtaaacca 720
tgttttcgca catccttctg tggagcggaa ctcatgaaac gaatggcggt ctggcttgat 780
cggttctaca agggtgagaa ggatgccatg acgcacatcg tcaatgacaa gaactatgct 840
cgtatcaaac agctggcgga gaagacgaag ggaaagatcg agctggacgg gacggcagat 900
gccgaaacta ggagtctgcc ggtgagcatc gtgagcaatg tcgaaatgag cgatcctttg 960
ctctccgaag agctctttgg gaccgtctgc ccggtgataa agggttcgac agacgatgcy 1020
atcaagtcca tcaacaggta tctggcataa cctgctactc tacacatgct gactgattag 1080
cctgccccga cccctcgctc tgtatatttt cagtcaggac cagaacgaag tcgagcatag 1140

taagtgtgcc ctctctcccc tggtttactt gtactcattc gtcagtaata tcctccaccc 1200
tctccggtgg cgtctgtgtc aacggcggtc tegtccacgc aatggtcctt aatgcccctt 1260
ttggcggagt tggcgactcc ggtcacggcg cctaccacgg cgagtacggc ttcaagtcct 1320
tcacccacta ccgcacaatc gcccgaccgg ctcttttttt cttcaagatg agcgaatgga 1380
tgcg 1384

<210> 19892
<211> 1384
<212> DNA
<213> *Aspergillus nidulans*

<400> 19892

tccgtccccc cttcctcaga caaatgcacc accaccatca acagccgtct tacggcagcg 60
gctatcccg gtaggcctac cgtcagcagc agaaccctta cccgcaatac ggtcaccctt 120
cacctcaacc gtaccctcca cagaatggtt acagtgtatg ttggcagaat gagatgaatc 180
caccgtgctg ttcgatgttg actttgtatt atagcaccca tcatcgggct atccgccttc 240
acccgctcct ccaaattggcg gccagatgta ccacggacgg cgtgcgtgac tcttctatcg 300
atagtcgctt gatatccatg ctgattcctc ccagaaccct catacccgcc aaatcaatac 360
ccgcctgcgc atggggggccc gacgggtccg ccaaccaacc cgcaggcctt tggccatggc 420
gcacctcaag gatataactt ccagtactcc cgttgcacag ggaaaagaaa ggctctcttg 480
attggtatca actatttcgg ccaaagggt caattgctg gatgcatcaa cgatgtgaag 540
aacatgtcga cataccttaa ccagaacttt ggctacgccc gggaggacat ggtgatcttg 600
actgacgacc aacaaaaccc catgagccaa ccgacgaagg ctaacattct gcgcgccatg 660
cactggctgg tgaaagatgc acaaccaat gattctctct tcttcatta ttccggacat 720
gggtgtcaaa ccccgattt ggacggtgac gaagacgacg gatatgacga agttatctat 780
cctgttgatt tccgggtagc gggtcacata gtcgacgatg aaatgcatcg gatcatggtg 840
aaacctcttc agcctgggtg gcgactgacg gcaatcttcg actcgtgtca ttcaggttct 900
gctctggatt tgccgtacat ctactccaca caaggtattc tgaaggaacc caaccttgca 960
aaggaagctg gtcaagggtt actgggcgtc atatcatcgt acgcgcgcgg cgatatggga 1020
ggatgatgt caacagccgt cgggttcctg aagaaggctg ccaagggcga cgaagcctac 1080

cagcgaacca agcagaccaa gaccagcccc gcagacgtta tcatgtggtc aggaagcaaa 1140
 gatgaccaa ccagccaaga tgcccaaata gccggtcagg ccactgggtgc gatgtcctgg 1200
 gctttcatca ccgccatgcg caaaaatccg cagcaaagct atgtgcagct gctgaatagc 1260
 atccgagatg aattgtcgac cagatatagc cagaaaccgc agctgagctc cagccacccc 1320
 ttgggtacgc cccttatccc tcaatgagat gtttttcgta aaagggcttt tctgacggat 1380
 tttt 1384

<210> 19893
 <211> 1386
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19893
 cgcattccaga agagcgtggc atctttgccg tcgttgctgc cccgacaaag gagctcgcta 60
 gccagattgt caacgagggg aggaagctgg cacttggaac aggtgtaaag gtaacgctga 120
 tgaagaaggg gatgcgggta gtggaacgtg agaacgaaga tgaagatgtc ctagatgaga 180
 gtaattcaga atcatcagaa tctgagagcg acgaaaggac tccaacaac aagaacaagg 240
 gaccggttcc tattaccaa agtgacattc ttgtttcaac acccttgcaa ctagtcaatg 300
 cgctctccga caacaagacg aagcctctcg caaccctacc attggtaagg aacttggttc 360
 tggatgaagc cgatgtcttg ttagatccct tgtttcgta ccagacattg gacatctggc 420
 gtcctgcac tcatccagag ctccgtgccg gcctttggtc cgcgactatg gggtctagca 480
 tcgaggacat ggccaagaca acgatcaaag agcgaagct gtctttgccg caaaccaagt 540
 cataccccct acttcgactt gtcgtcggct taaaagactc cgctattccg aatattaagc 600
 acaagctagt ctacgccgcc acagagcaag gaaagctcct cggcttcaga cagctcatcc 660
 accccacagc tgcgacaaca tcagatgtcc gtcttcgacc acccttcctt atattcacac 720
 agacaattcc tcgagctatt gcgttacatt ctgaacttct ttacgacatt cctcctgagg 780
 ccggtggctc tgcgcaatc gcagtgttc attcggactt atcgatata cagagatcag 840
 acatcatgaa aggttccgt aaaggcgaga tttggatcct tgtcacgacg gatttactcg 900
 cccgtgggtg tgacttccgc ggtataaatg gggttgtcaa ctacgatatc cctaattccc 960
 cagctgtcta cggtcacagg gttggacgga ccgggagagc tggtcgagag ggtggcgctg 1020

cagtgcaccta ctacacaaaa gaggacattc cttatgtcaa gagcatcgcc aacatcatcg 1080
 atgtcagtga aaagctacga ggagaaaacg gtgaacgata agtgcagaaa tggctactag 1140
 atgcattgcc agatctcagc aagaagaaca agaaggaatt aaagaagcac ggcgtcaagg 1200
 ctaggcaaac ggggtctcaag ggtgccacgg atgaaaagga gcaacgccgg acgagaatca 1260
 gtaccaagag cgggttcgat cgccgaaaag aatacaacaa gaagatgatg attgccgcca 1320
 gccagaagaa aacacaagcc cgaaagaacg gagctgattc cgacagtgtt ggtgacgacg 1380
 acgacg 1386

<210> 19894
 <211> 1387
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19894

cccgtcaaag cgccagccta aatgatcttt ttgtcgcggc cggcaaattc tactttggca 60
 cttgctccga ccaggcgctg ctgcagaact cgcagaacga ggccattgtg gcgtcgcagt 120
 tcggagtgat cccccggag aacagcatga aatgggacgc gcttgaacgt ggggtctttcc 180
 ttcagagacg gtagattttg gcagggctga cggaatgtg ggaacagcgt ctccaggggaa 240
 ctttggtctg tctggagccg actaccttgt atgttccttg gctgtcgggg tcgattattt 300
 cggctcagcc ggtgctgacc aggttttagt cgactacgcy acgcagcata acaagaaggt 360
 tcgaggacat acgctcggta ggccagctcc caccgctctc aacgtcgggg tcaactgaccg 420
 atccagtctg gcactcccag ctccccctct ggggtctcgt catcggcgat gcgaacacac 480
 tcagatccgt catgacgaac cacatcaatg aggtcgtcgg ccggtacaag ggcaagatca 540
 tgcactgggt atgcctcacc agaaccatt cccgccataa acaagaaaag aatgcatgag 600
 agagagatcg cttactgag atgagtgcag gacgtcgtca acgagatctt caacgaagat 660
 ggcaccttcc gcaacagcgt cttctacaac ctctggggc aggactttgt gcggattgcy 720
 ttcgagactg cgcgcgccgc ggaccctgat gcgaagctgt acatcaacga ctacaagtga 780
 gtcacctgcy tgctgcttag gaccagctct gatagcggat tagcctggac tctgcgagct 840
 acgccaagac gcaggcgatg gcgagctacg tgaagaagtg gttggcggag ggcgtgccta 900
 tcgatggaat cggtgagtgg accttgggtct acagtatagc gcaactcgac tgacgatctt 960

ccaggctccc aggccacta caggtacgct cggcggtcgt ctggctgacc aagtactaac 1020
gtatcgcagc tcaagccact ggtccagcac tgaagccgca ggataagttt tttccgccct 1080
tggatgcact gccgtcacac tgacaacccc aaacagcgct gtcctctctc gctaacacgg 1140
gcgtctccga ggttgccatc accgagcttg atattgcggg cgcaggctcg tccgactacc 1200
tgaacgtaag tagtccgac cactggcctt cgggctcggg ctaacgagaa tgccgtagtt 1260
gctcaacgcc tgcccaacg agcagaaatg cgtgggcac accgtctggg gagtgtccga 1320
caaggactcg tggcgcgcgt ccgacagccc cttgctgttt gacggcaact accagcccaa 1380
ggatgcc 1387

<210> 19895
<211> 1388
<212> DNA
<213> *Aspergillus nidulans*

<400> 19895
tccccaaagt tgtctggacc gtcaaggagg atgacgagaa cctcacatgg ttctttgaca 60
aggctgatgg cagtctaagc cgagacggcg aggttctctt ctggtacgga gttgagagta 120
gtgatgaggt gaagctgttg gttcaggaat tctctcagca cggctgccag atgttcggcg 180
acatcaacct tgagtccagg cttcagcgcg ctgctcatgc ggctgccaat atcggcaagc 240
ccctcgggtgc tgctgctgga cagaagcgta ctttctccac tgcaagcaac gcccttcgtt 300
ctgcccgttt cggacgccct tcagttcccg ttcagactgt ccgcacctac gccacaacca 360
accctaacct tcctcttggg gagaagaaca actccaacac taagccttcc aaagtcgccc 420
tcatcggagc ccgtggtaca ctggacaggc cctgatcaac ctcatcaacg cccacctca 480
cctggatttg cgtcatgtct cttcccgcga gctggctggc aagaagctgc agggttacga 540
caagcgagag atcatctacg agaacctgag tcccagggat gtcaagcgca tgtcatccaa 600
cggcgacgtc gactgctggg ttatggccct ccctaacggc gtctgcaagc ctttcgttga 660
tgccgttgac cagggtgcca aggatggtaa cgtgatcatc gacctgagcg ccgactaccg 720
ctttgatgag aactgagcct acggtctccc tgagctggtc agccgtctta agatcgccca 780
ggcaactcgc atcgccaacc ctggttgcta tgccaccgga acccaagttg ccattgctcc 840
tategttcct cacctcggty gacaaccac cgtttttggc gtttcgggtt actctggagc 900

tggtagcaag cctagcccca agaacgacgt ccagaacctt actaacaaca tcatccctta 960
 ctcccttgacc gaccacatcc acgagcgga aattagttct cagctcggta ctcccattgc 1020
 cttcatgccc cacgttgctg tttgggtcca gggcatccac ctccaccatca acattcctct 1080
 gaaggagaca atgtcatctc gtgacattcg caacatctac caggaccgtt acgctggcga 1140
 gaagcttgctg aagatcgctg gtgagcctcc ggttgtcaag aacattgctg gtcgtcacgg 1200
 cgtegaagtc ggtggctttg ccgtccactc caaggagaac cgtgtcgtcg tttgcgccac 1260
 cattgacaac cttctcaaag gtgctgccac tcaatgcctg cgtaagtccc cgcacatatc 1320
 cccatccgcc ttaggccta ctaacatacg gcgtacagaa aacatgaacc tcgccctcgg 1380
 atacagcg 1388

<210> 19896
 <211> 1389
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19896
 ctttttatac taattcaact tatectgcca cagttgctct ccttcctcaa caccagcttc 60
 atgatgcctc gcggcggtt tcatccagta gaactccgtg tccaagttct tactttatca 120
 gctatcggat ttagtacaga gaagatctca aaatctttga atctctctcc tcgtacggtc 180
 cagagcatcg taaagaaagg cagagatcgt ggctaccggc cggaagtaag cctgcgcgtg 240
 cagcttgaat ttgttgagga tagaaagcga tctggccggc ctgttgagat tactgaagct 300
 actcagaata ctgttattac ttcagtaact gcagatcgag cagggcgcgga gaaattatca 360
 gaaattcttg cttatgaagc tggatatctc cattcttctg ttctttgtat ccttcattct 420
 catggccttg ttattgcaaa accttcctgg aagcctggtc tgactgaagc tgcttgtctt 480
 aggcgtcttg aattctgcct tgcccaccaa cattggacat tagaagactg gaaacgcgtg 540
 atctttaccg acgagactgg tgttattctt ggccaccgcc gcggagcaat acgagtgtgg 600
 aggactgtga aagattcaca tacaaggaat tgtgtacgga ggcgctggaa ggcctgctct 660
 gacttcatgg tatggggttg cttctcatat aataagaagg gccctttaca tatctacaag 720
 ccggagactg ctgccatgcg gaagcaggca gatatagaga ttgaagccat gaatcgtgag 780
 ctggaacctc tatgccggga ggaatgggag ttggctacag gtctttctcg tgttcattta 840

cgcccaaadc gcggccgtgt tcctaaatgg aattggaacg agaagaacgg taagcttata 900
 tgtaaaggta aaggggggat tgattggtgg agatatcaaa cagtttgctc ccttatctct 960
 ataattctct attatagagt agttaagcac gtgctaatta cttattttac tgcctaggaa 1020
 gtccttaaac ctcttcttat tccatttgca aaagaatgca tgattgagcg cctaaatact 1080
 attgttttag aggatagcgc gcctgccac tgctactgaa tccagcagea tgtctataaa 1140
 gcagaagatg tgcaaaagat ccttgactgg cctggcaatt caccagatct caacgcaatt 1200
 gagccgtgct gggcttggat gaagaagcgt acaacatccc gcggtgcgcc ccgcgataag 1260
 aagacaggag aagcagaata gaggcaggct tgggcggatc tcccacagga gactatacaa 1320
 cactggattg agcgtctaatt tcgtcatatt cagattgtta tcgagctaga agggggtaatt 1380
 aaatacaag 1389

<210> 19897
 <211> 1389
 <212> DNA
 <213> Aspergillus nidulans

<400> 19897

cgcaccaga ccgtatcaca gctgtcgaaa tatgatcgga aatctagaac agcagctaatt 60
 tatggtcaac tactagaaaa gcctgaccag gagcatgac atgaagagga tgaccaggag 120
 gaggaagttg atgaggttgt cttggaggat atgaaaaagc tcgaagacaa ctttccaggg 180
 atttcagatc gcttccgttt ggtgaatagg attggtgaag gtattgtctg caatgcacct 240
 tcatttacca tacggcacgc ccggaacacc tggatcgctt gactaaactt ataactctggt 300
 ttataggcac tttctctact gtatacaagg ccgaagatct cctatacgac cactaccgaa 360
 atgattggga tgtatttcaa gatactccga gagatgaatc gacaaattcg ccgtcaaaac 420
 gtcgtcgagt agaagacgag aacgggaata cgatacccat caggcgaacg aaaccacgat 480
 atgttgcgct gaaaaagata tacgtcacia gcagcccact gcgcatccag aatgaactgg 540
 aactattaca tgatctccgg ggatgccgat cagtttgccc tctgataact gcattccgtc 600
 atcacgatca agtggtcgcc gttctgcct ttttcccgca tacagacttt cgacttcagt 660
 accgaacgtt catggtggct gatatgcgcc attactttcg atcgttggtc actgcattac 720
 actcggttca taagcacaat atactgcacc gcgatatcaa gccaaaccaac tttttgtaca 780

atccggactt acggaaggc gttttggtgg acttcggttt agcagagcgc gaaggctccg 840
 agtatacagg gacatgtctc tgcacaagca cgagccatat acgtcgcgcg cgttacaccc 900
 agagttacca ctataccac tgtgcctctt ccggcctcgc tataggctat ccgaaaagtg 960
 actctcggcc gtcaaggcgt gccaatcgtg ccgggacgcg agggtttcgt gcacctgagg 1020
 tcctgttcaa gtgcacctcg caaacaacca aaatagatat gtggtctgcc ggcgtgattc 1080
 tactaacatt gcttggtcgt cggtttccat tcttcaactc agccgacgac gtcgacgcac 1140
 tgatagaaat ggcgagcata ttccggcacc gccgcatgaa aaatgccgct gccatgcacg 1200
 gccagatatt tgaaaccaat attccgacca tcggagaaaa aggttatagc tgggaaaagc 1260
 ttgtgaaatg gtctagctgt gtagaagagc tgacagagag tgagaaacaa gctacccgac 1320
 tgtttagcagg attgatggaa ctggatccat ccaaacgtct aaatgctaaa gaggctatgc 1380
 agcacgaat 1389

<210> 19898
 <211> 1389
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19898

ctttttatac taattcaact tctcctgcc cagttgctct ccttcctcaa caccagcttc 60
 atgatgcctc gcggcggcct tcatccagta gaactccgtg tccaagttct tactttatca 120
 gctatcggat ttagtacaga gaagatctca aaatctttga atctctctcc tcgtacggtc 180
 cagagcatcg taaagaaagg cagagatcgt ggctaccggc cggaagtaag cctgcgcgtg 240
 cagcttgaat ttgttgagga tagaaagtga tctggccggc ctgttgagat tactgaagct 300
 acttagaata ctgttattac ttcagtaact gcagatcaag cagggcgcgga gaaattatca 360
 gaaattcttg cttatgaagc tggatatctc cattcttctg ttctttgtat cctttattct 420
 catggctttg ttattgcaaa accttcctgg aagcctggtc tgactgaagc tgcttgtctt 480
 aggcgtcttg aattctgcct tgcccaccaa cattggacat tagaagactg gaaacgcgtg 540
 atctttaccg acgagactgg tggtattctt ggccaccgcc gcggagcaat acgagtgtgg 600
 aggactgtga aagattcaca tacaaggaat tgtgtacgga ggcgtggaa ggcctgctct 660
 gacttcatgg tatgggggtg cttctcatat aataagaagg gccctttaca tatctacaag 720

ccggagactg ctgccatgtg gaagcaggca gatatagaga ttgaagccat gaattgtgag 780
 ctggaacctc tatgccggga ggaatgggag ttggctacag gtctttctcg tgttcattta 840
 cgcccaaadc ggggccgtgt tcctaaatgg aattggaacg agaagaatgg taagcttata 900
 cgtaaaggta aaggggggat tgattggtgg agatatcaaa cagtttggtc ccttatctct 960
 ataattctct attatagagt agttaagcac gtgctaatta cttattctac tgcctaggaa 1020
 gtccttaaac ctcttcttat tccatttgca aaagaatgca tgattgagcg cccaaatact 1080
 attgttttag aggatagcgc gcctgccac tgtcaccgaa tccagcagca tgtctataaa 1140
 gcagaagacg tgcaaaagat ccttgactgg cctggcaatt caccggatct caacgcaatt 1200
 gagccgtgct gggcttggat gaagaagcgt acaacatccc gcggtgcgcc ccgcgataag 1260
 aagacaggag aagcagaatg gaggcaggct tgggcggatc tcccacagga gactatacaa 1320
 cactggattg agcgtctaatt ttgtcatatt cagattgta tcgagctaga agggggtaat 1380
 gaatacaag 1389

<210> 19899
 <211> 1390
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19899
 ataagcatct caattagcaa gccgtgggaa cagagtggaa tcttcaagat ctggattaga 60
 acgcggggcg gcctttcggc ctgcttcagt agtatatatt ctgtccgtct tgctcagaat 120
 gtctcgtagt ctccaatctt ccctaaaact acaccacact actctacaca actttacatt 180
 actacatact taactcctgc tcctattctt cttgctcttc ctattttccc tcctgcctgc 240
 tcttgtaaca acacaatgga ctctccaaa ctcttcaccc cactcaaggc gggcaacatc 300
 cagctcgccc accgcattac cctcccccca atgacacgat ttcgcgtcga cgaaggccat 360
 attccccaag accaggtcgc cgagtactac gcgcagcgcg ccgcgggtccc cggcaccctg 420
 ctcatcaccg aagcaacgct catctcgaca cggccggggc tgtatacgca cgtcccgggc 480
 ctctggagca aggagcagat cgcgcagtgg cgcaaggcca cggacgccgt gcatgccaag 540
 ggctccttca tctacaatca actgtggggc cttggggcag tcgctgacct cgaggctacg 600
 aagaaagagc acggcgggtc tgagggacgg gtgattgcgc cgtccgctgt gccgcttgat 660

ccaagtgggg agcctcccaa ggagatgagc gaggaggaca ttgcggtgt gattcaggat 720
 ttcgcaacgg cgcccaaaaa cgctatcgag gctgggttcg atggcggtga gatccatggc 780
 gcgaacgggt acctcggtga ccagttcatc caaaaggccg cgaacaagcg gagtgaccgg 840
 tggggtggca gcgtagagaa ccgtgcgcgc tccccactgg aagtgatccg agctgttgtc 900
 gatgcgattg gcgctgagcg cacagcgatt cgatacagcc cgtggagcac gtttcagggg 960
 atgggggttg atccggacga agagcagatt gcgcagtttg cgtacctcgc aaagaagacg 1020
 gccgaattca agcttgcggt tgtgcatctt gttgaggac ggattgcagg caataccgag 1080
 acggatgaga acggggggccg gaacctgcat ttcttctttg atgcgtacgg gcgtgctggc 1140
 ccgattatgg tcgccggtgg gtatgtcggc gagactgcgc gagaagctgc ggatgtccag 1200
 tacaaggact acgatgtgat gatcgccatc gggaggccat ggaccgcgaa cccggacctt 1260
 cccttcaagg ttaagaaggg gatcccgttg cggccgtatg agaggagca cttctatacc 1320
 gtgcgcagcc cgaagggata cattgattac gactttagcg aggagttcaa ggctgccact 1380
 ggaactcggc 1390

<210> 19900
 <211> 1393
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19900

tgttcccata cgcggcctga gatgattatc ccttggcgtc ttccaagga caaagtgcac 60
 cttctgact cagcctacgt agttgcacaa ccttgtgggg gaaaaccgat acaaagcggt 120
 cagtttaacg caaaaaacaa gcctctggtc atagtgcag caataaacgg acagttacac 180
 tgaagcacag tagtggctca tagcagcggc tgggagaacc cgtggccacc tctgtagcga 240
 tccatgcaca tcgcagcttg gtgacatcgg tgggatgaaa cgaccaagaa tgcagcatgg 300
 agaatccacg agagatgaca taggccgcca gcaacagaac ccagcagcat ttcttgacc 360
 ctgactcaga aatctcataa gagccaatca tagagaaaac cggccaacgc accgctccag 420
 ctctcacca cagcgtccgt cgtacggagt cctgccgagt ttaggagcaa ttaccctagt 480
 cgatcccata tggcaccgtg gtcagagagc taccgaagtc cctggcggaa gccgagaccg 540
 atggatttcc cgcagcattc cttgcacgca ttagaacgat ggtgcctttg tcgctgtaaa 600

atggcacaat tgacaaaaat tgagattcga ggcctactg cattcgcgga gtggagtccg 660
 ctccgtgatc ttggaactgc ttggctaacc aatcctgtcc gcacttgaag gaggctgtgc 720
 aataactcatt acttactaaa agttcattga tatectgaga ttcgctagct tgctggctcg 780
 tgtctccaat ggaagctttg ctttgtctgg actgctccaa ctagacgaga tggcgctcgcc 840
 agggctctgtt ccggcgataa ctttcgatcg cgtttctgta cgctgctcgt ccgtgttgct 900
 cccagccgct aatgatgtgt aggaacacc cacagctgaa aatgatatac cgagtcagag 960
 tcccgatggt acgcgcgagc gctctcacag caatttgacc gcgatcggta ggcacttcac 1020
 tggacgggat agagcgatga gcggaagcac catggccacc agcagtgccg gcctcgaagt 1080
 cccaaaagga aaagagaaac tatcttcaag tacagcgcca agcgtgtttt catcggacga 1140
 gcaagaacgc tttgcgcctt gatccaggaa ccgagacgga ctttcacgtc gacaacaacc 1200
 cgtttgcata ctaccagga cagctcaaca aactactcaa ccaaagtcg ctctctgcat 1260
 ttgttgcttt ggggtgattg ccgggtctgg caaatgggct tcgaaccgac ttgagcgccg 1320
 ggctcagcac tgaggcagct ggcggcgaaa aacatacaca atccaggaat gagctatttg 1380
 cagaccggat ccg 1393

<210> 19901
 <211> 1394
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19901
 tggggatcaa ggtcccatc gtgcaaggag gtaagtcct taccgtaatc gttcgaaaga 60
 ccataactaat cccccaggga tgatgtgggt tggctcgccc ggtgagtgcc aactcaatgt 120
 cctaactctcc gctacctgac gcccaaagaa atgacatcag ccgttgcaaa tgctggaggt 180
 ctcggtttct tagtatgctg ggtagccagt cccttgacga cgaacatcct ctgacgagac 240
 ggacagacag ccctcaccca accttcgcca gacgcctcc gagcagaaat ccgtcgctgt 300
 cgaagcatga ctgataaacc ggtatcgta agccactcga ggatatttac ctattgcagg 360
 ctgaccggg gtcctagtt cggcgtcaac atcaccatgc ttcccgccat taacgcccc 420
 gactacctgg cctatgctaa ggctgccgtc caagagggca tcaagatcat cgagaccgcc 480
 ggaaaccctg agcctattct caagtacctc aagagcaacg gttgtatcgt catccacaaa 540

tgcgtatcgc ttgggcatgc tttgaaggcg caggcaaagg gggtagattg catttccatt 600
 gacgggtgag cttctcaatt tcagcctgaa taggtgagtc gaagctaaca gtgcgtatag 660
 tattgaatgg tacagttctc ttccaactgg agtgttcgga acagcgacta atatcagagg 720
 attattgcag cgctggtcac ggaggcgaat gtaggtgcat tccagctcga tcgtagattt 780
 tgcaaactaa acccaactga ccgagtagat gatattacat ctatgacct ccttgggaagg 840
 tgcgctcaag agctgaagat ccattcatc gcatccggtg gtttctgcga cggcaaggga 900
 ctggctacgg cacttgtcct tggagcgcaa gggtaagatc gtactcgcta aaggatgac 960
 tgtgctaaca tgaacaggat caacatgggc actcgctgga tgtgcacagt cgaggcccca 1020
 attcatcaga atgtcaaaga agcaattgtc aagatggacg agaatggcac aatcctcgtt 1080
 ctgcgaaagt tccgcaacac caccgctttg gcccggtga gacttaacaa gcaattcgaa 1140
 atcaagttca tatgtgacg agtcgataga acgaggtcac gctggaggta cataaaattg 1200
 agaacagcaa gctagaccct caatttcaag aagtggcgca tcttatgtct ggtgctcggg 1260
 gaagaggagt atacgagacg ggtgacatca acgcgggtgt ttggtccgtc ggtcttgcgtg 1320
 ccgggctgat taagtctatc ccgacatgcg aagagctcgc ccgtaccatc gagcgggagg 1380
 cggtcgatgc tctg 1394

<210> 19902
 <211> 1396
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19902

cgcgatatcg cgacttgtgt ggtttcctga catgggattt cgctaagcct gcaacagttg 60
 ggttttacac acactctttg gccttgggtgg cggatgcctt ccactacgta cgtgagcgtc 120
 agacaatgta tggcattgct aattagacta gctaaatgat cttgttgggt tcattgttgc 180
 atttgtcgtc ctcaaggctc gttacctcgt tgacgcggtc aattatgcgc caggagtgc 240
 aaccatgata ctcaaggttc gaactccgag cattcaccta aggagctctc gtttggatgg 300
 caacgagctc aaatcctggg cgcattcttc aatggaagtc tgttatttgc gctgggtatt 360
 agtatcttcc tgcaatcaat tgagcgcttt atcacgttgc accgtatgtt agccgaatcc 420
 ggcgtgtccc ttggcttaca tgcattagat gtcgagaacc ccaaacttat gtttattatt 480

ggggccattg gactggggct gaatatcatt tgtgccacat tcctacatgg taacttacct 540
 tgcctgcaa tccggagaca caaacttgac cggctctaga acaccatcat catcacgacg 600
 accaccgtca cccagattcg gagggcgagc ctcaagggca aggtgatttt gaacagcaac 660
 gtgagcttga aaataaagcc aagggttcgag ctcatctata tgttcttgcc ccggtccatt 720
 gacatcccgat acagcaccat gatcacaggc acacggagca cgaagaactt cccatctttg 780
 gcgggtcatga tttgggcatg atgggctgtt tgcttcacgt tgccggcgat gcggccaata 840
 acctgggtgt gatgggttgc gactagtca tttggctgac gcgttatgag gcgaggtatt 900
 atgctgatcc tgccacaagc atgggtattg ctgcaatgat cttcctttct gcacttcccc 960
 tcagtaagtc acagccttgc ctatcagctg attctaaaac tgacagtcct agtccggcaa 1020
 tccggtctca tattactcga gagtgctcca aaaaaactcg atcctgcaga tgtgaagcat 1080
 gaccttgaaa aggtaggatt cctcaattca tgctgcatgg ctgtgacctt atgctttgat 1140
 agattcctgg cgtcctatcc gtccatgagc tgcatactcg gcgtctgaac caacataaga 1200
 ctcttgcatc agttcatgtc gctatgctgg atcactcgat ttccgaattc tctgaagtat 1260
 cacgtacatt gcaggagtgt ttccatgcct ggggggtgca ttcagttgcc attatgccgg 1320
 aaatcgcaac tcccttgtct gctagggccc tgacccaaaa tcaaagtgac ataagtggga 1380
 tggaggtgtc agagaa 1396

<210> 19903
 <211> 1396
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19903

ccggttcaaa gccggagctt gcaactcagt acctgcagtt gaccgacttc aacattgagc 60
 aggccatgca gctgtacttt gaaaacgacg gagcggaatt aacgcgcgat ccggttccat 120
 caaattctgc agcaaacaga gcatcgcggt ccacaggcta cgaagatgcg tcgggggtag 180
 tgcacctgga ctctgatgaa gacgaagctc aatctacgcc acgaaaccgg ccatcaaata 240
 catcaacgct cgaagacgat gcagctatgg cacgccgtct acaagaggaa atgtacggag 300
 gacaaagtgc tgccgatgaa gtgcgtgcgc cgatggcccc taccactgaa acacttggtg 360
 gaccagaggt agactttgcg gatgatatgc atgagagtat cttagggcaa atccggaatc 420

gtcaacgacg cacaggtgag tataccttca ttcacgtaa tagatcctgc tgctaataag 480
 tttgcgttta agatcgacct ggtattttca accagagaga tactacgtca atatgggccc 540
 gcgaagagga ggaagagtcc caccgcgaaa ggctggcggc agcaacaggc ggcgcctccg 600
 agagatcgag caaaacaaat ctgcttgacg aactgtaccg cccaccttcc gaaatcatgt 660
 caagattacc ttgggatctc gctcgggaag atggccgtga gcatgagaag tggcttcttg 720
 tgaatattca ggaccatcc atctttgact gccaggtttt gaaccgtgat ttatggaagg 780
 acgccaacgt caaggagacc atacaagagc atttcatatt tctgcagtac accaaggatg 840
 acccccgctg cgcgccatac ctacaatatt acttccaggc tagtgacgtt tctgataact 900
 accctcatat tgccatcgtc gaccgcgga cgggtgaaca aatgaagatt tggtcaggcc 960
 ctccggtggt gaaggctgct gattttctga tgcaacttca cgagtttctc gaccgttaca 1020
 gcttgaagca caatgtccga aaccagtggt cgaaacggaa acgcgaaatt aaggagaaga 1080
 gcattgatgc tatgacagag gaagagatgt tggagctagc attgaaaaac agcctcgggg 1140
 cgaacgctgg acagtctcga aagatggaag accccgacga cttaacgcgg agcgctggag 1200
 acgtcaaagg caaaggtaga gcggtcgatg acgaggacgc tgagatggat gaggcagacg 1260
 aaagtgcaga tgcagacgct gagacatccg cattttggtc tattgcaagt gatcgaccac 1320
 acaccgaacc tcctactgac cctgtaacaa cgacacgcat tcagttccga catcccaccg 1380
 gaagagtcac aagacg 1396

<210> 19904
 <211> 1396
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19904
 cccgttggtg ttggcctggg tattctctct ttaggtgctt cctggacagt tgggtacttc 60
 tacgtgaccg cagcgcgcga ggcgaaaaga ctacagagca cggctaggtc tcccatcttc 120
 gagctcgctg gctctctact cacaggcctg ccaaccgttc gtgcctttgg gcgggagcag 180
 gcatatttga cgcgcatgta tgatctcatc gattcgtatt gtcaggctct atggcacaga 240
 aaactcttcg cctcctggcg ggccatctgg cttagctcgg tgggcgcagt ggtatgtccc 300
 cttctagcgt gctatttaac actggaacca tgcacggttg acacacaagt accgagcagt 360

tcgtcgcggc tgtaacaatg atattcgtca gcgttcgcac cctcgacgcg ccaactggccg 420
 gctttgcaact cagcttcgcc ctgcacatgt ccagcaacgt cacttggtctt ctgtctcagt 480
 acgcatcact cgaaattaac tccaatgccg cagagcgcat tgccgagtat acccagcttg 540
 atcaggaact acagtctggc gtcgatgtcc ccgccacctg gccgagcaag ggccaagtgc 600
 aaatctctag tctcactgtc gcatatgcgc cagatctcgc tccggcttta cgcaacctca 660
 acttttgcac ccgcgctggc gagcgcgctg gggctcgtcg gcgcacagga gcagggaat 720
 cgagctttgc gatgacgctc tgcgctgctt ggacgttcgt gaggggagca ttcattattga 780
 tgggtattgat attgagcatg tcaaactaca ggatctgcgt gagcgtgtgg gtttgatttc 840
 gcaggatccc atcatgtttg ccgggacagt ccgagaagtc ctggacccat tcaagcagta 900
 cgacgatacc gagctcctcg ccgcgttgga gagagtaggc ctgttctcct tatcgccaac 960
 gcaacatcca atatcaaacg aagaccacga ttcaacttct tctaacgccg ccttttcgcc 1020
 cgctttgacc attctccagc tgtcgttgtc tactccaata gcagctgggg gcaaaaatct 1080
 ctgcgaaggc caacgccaac tctctgtct cgcacgcgc ttggtctctc gtcogaagat 1140
 cctgatcatg gatgaagcaa cagccagtat agacgttgaa tcggatcagc gtatccaacg 1200
 ggtgctgagg gaggatattt gtggtgccgg gtggggtgt acgttgattg ttattgcgca 1260
 tagattgagc acaattgcgg acttcgacag ggttgctcgc cttgagagag gagaagtcgt 1320
 cgagatggat tcccaagat tattgatggg gattgaggat ggggtattcc atgggatggg 1380
 cgagggcagt ggggag 1396

<210> 19905
 <211> 1396
 <212> DNA
 <213> Aspergillus nidulans

<400> 19905

cggctctggc ttttggtgcc ggtctagctg agtggctggg tatattcatc caaccctatt 60
 ccacaaagag ctaatagttg gatctcaggt tggacggccg tcttcgcacg cgaggctaca 120
 ttctttgcct ttctggtaga ctactggaca aaagacgtta taccagaagc tgctttacgt 180
 atgtctttcc ccgcacctat atgtgtaggt aatctcacac cggctctagta tccatcttca 240
 tcgtgatatg tctagcggta ttctttctgc caaacaccta cttcgcttgg cttcattatt 300

ttgggcccct ggtaaaagtt attcttttcg tttcttcg tataatctct ctggccatta 360
 gtggggggtg cagggctaac tggctcggtc aaggatggca gcacttggac ggacctccca 420
 gcattcaaaa tggcttcgaa gtatgcaccc gtatataaac tccatttcag tggaccggaa 480
 acttagttat tgcgggttag ggctttgcta gtgcagctct tcttgccgtc tgggccgtcg 540
 gtgatcatat ctatattggc gtattgggtg gaggagcacg gtcgccgcgc tattcatggc 600
 acatgcggcc aatgcgggtc cctggcgctg gactgtcttt tatatggctc tgattacctt 660
 tgtctctgtg attgtgccat tatcagaagc cagactgtct ggtggctctg gctcgcagcc 720
 tctccattcg tgatcgccat cgacaatgcc ggcacaaagg tggctccgga cctgggtcaac 780
 gcctgcatga tcattcgtat cgtgggtcatt gcgctagagt gtatcttctt gacttctcgc 840
 atgttgcgaa caatggccct acaaaagctc ataccatcgt tcatcgccga ggtcgataaa 900
 agggccgacc ccgctgggcg ctcatgatta ctggcgtggt tggagttggt ttgacctaca 960
 tcagcctaag cggtaggtag tcgagctcac agcaataaaa cggacagtgc taatctagag 1020
 caggaaggg aaccgagttg ctcaactgat ttatcgctat tactagtga tccttcttca 1080
 tcaactttgc catcgtagct cttacctcct tccgcttcg cgcagccgtc aaggcacaga 1140
 aaggggacct tctttacaga gagctacagc tggaaatccc ctctttggcc actgactccg 1200
 atcattgttc tcgtgctctc cgccctactc cttgtcagcc tactatacat cagtataaaa 1260
 ccagtggat acctctttct gctgatctt tttctttcta aggtacatac acaccaatta 1320
 tgcttcacag gatggcaccg gtttcacgga gtacaatttc ttctcaaaca tccttggtat 1380
 cctggtcata ctgata 1396

<210> 19906
 <211> 1397
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19906

tccacgacct ctccgagaca gatctttcca ggcacgcatt gcgcaggaac tgcttgagta 60
 tttaactcat aataattttg agcttgaaat gaagcattca cttggccaaa atactcttcg 120
 atcgccaact caaaaggatt tcaattacat cttccaatgg ctgtaccatc gaatcgaccc 180
 gggttaccgg ttccaaaagg caatggatgc ggaggtccca ccaattctaa aacagctgcg 240

ctatccatac gaaaagggtg tcaagaaatc gcagatagcg gctggtggag gtcagaattg 300
gcctacattt ttagggatgc tccattgggt gatggaacta gcacaaatga tggatcgatt 360
cgccatggga gaatatgatg aagcctgctc ggagatggga gtggacgtct cgggagatcg 420
aatcatcttc cggttcctca caggcgcta ccatgattgg ctacaagggg gagaggaaga 480
ggatgacgat gctgctgctc aaaggttgat accccacatt gaacttatgg ctcaggagtt 540
tgagaaaggc aatgagaagt acgttcagga aatgcaggtt ttggatgccg aaaacagggc 600
actacgcgat cacattgagg agctggagaa gaacgccccg gatatggcta agcttgacaa 660
gcagttcaga attctcgagg acgacaagag gaaattcgaa gactatatct agaacgtgca 720
gggcaagatc gagaagtatg agagtcggat tgctttcctg gaggacgaga tcagaaagac 780
agagtcggag ctgcaagccg cagaagaaga acgggcggga cttcaagcta gcgtcgatca 840
acaaggccta accattcaag atatcgaccg catgaacact gaacgtgacc ggcttcagag 900
gagtcttgat gatgccgtca gtcgtctgga agagacacat gcgcgtgtga tggccaaaga 960
gtccgaagcc agcgcgaagc tcgaggattt agaggaactc gtcaagacct acaatacgct 1020
gggataccag aacagtctca tcccgtaac tgccgtcaat gogaacggac aagaatatga 1080
gctgggccta aatgtgaacg agcgtagttt ctccacatcg cagattggtg gcattcctag 1140
caggatctct ccagaagcag ataggcttct agccgagcct ttcactggct atcatccagc 1200
acatctgttg aacttgacc ttcgaggtat tgctcgcagt aatctccagg cactccgcaa 1260
ggagataaac gagcggagaa agcgtggtat tgacgcggat ctggaaagac ggaacctgtt 1320
ggacaacatt aaagaggcca tggatgagaa acggagtga gtcgaggccc tggaacataa 1380
gcgacgcaca gcggagg 1397

<210> 19907
<211> 1397
<212> DNA
<213> *Aspergillus nidulans*

<400> 19907

tccacgacct ctccgagaca gatctttcca ggcacgcatt gcgcaggaac tgcttgagta 60
tttaactcat aataattttg agcttgaaat gaagcattca cttggccaaa atactcttcg 120
atcgccaact caaaaggatt tcaattacat cttccaatgg ctgtaccatc gaatcgaccc 180

gggttaccgg ttccaaaagg caatggatgc ggaggtccca ccaattctaa aacagctgcg 240
 ctatccatac gaaaagggtta tcacgaaatc gcagatagcg gctgttgagg gtcagaattg 300
 gcctacattt ttagggatgc tccattgggt gatggaacta gcacaaatga tggatcgatt 360
 cgccatggga gaatatgatg aagcctgcgc ggagatggga gtggacgtct cgggagatcg 420
 aatcatcttc cggttcctca caggcgctta ccatgattgg ctacaagggg gagaggaaga 480
 ggatgacgat gctgctgcgc aaaggttgat accccacatt gaacttatgg ctcaggagtt 540
 tgagaaaggc aatgagaagt acgttcagga aatgcagggt ttggatgccg aaaacagggc 600
 actacgggat cacattgagg agctggagaa gaacgccccg gatatggcta agcttgacaa 660
 gcagttcaga attctcgagg acgacaagag gaaattcgaa gactatattc agaacgtgca 720
 gggcaagatc gagaagtatg agagtcggat tgctttctctg gaggacgaga tcagaaagac 780
 agagtcggag ctgcaagccg cagaagaaga acgggcggga cttcaagcta gcgtcgatca 840
 acaaggcta accattcaag atatcgaccg catgaacact gaacgtgacc ggcttcagag 900
 gagtcttgat gatgccgtca gtcgtctgga agagacacat gcgcgtgtga tggccaaaga 960
 gtccgaagcc agcgcggaagc tcgaggattt agaggaactc gtcaagacct acaatacgct 1020
 gggataccag aacagtctca tcccgtaac tgccgtcaat gcgaacggac aagaatatga 1080
 gctgggccta aatgtgaacg agcgtagttt ctccacatcg cagattggtg gcattcctag 1140
 caggatctct ccagaagcag ataggcttct agccgagcct ttcactggct atcatccagc 1200
 acatctgttg aacttggacc ttcgaggtat tgttcgagt aatctccagg cactccgcaa 1260
 ggagataaac gagcggagaa agcgtggtat tgacgcggat ctggaaagac ggaacctgtt 1320
 ggacaacatt aaagaggcca tggatgagaa acggagtga gtcgaggccc tggaacataa 1380
 gcgacgcaca gcggagg 1397

<210> 19908
 <211> 1399
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19908

ccccgacgat tactcgagg cttactgcga ttgtatgact gagcatccca ccatttttca 60
 cgcagtcgat ggcttctcta agcaactcga aagcaaggga tacaagtacc tatccgagcg 120

ggaattatgg acgccgcagc tcaaacgcgg aggaaagtac tatacgactc gcaatggaag 180
 ctggttgatt gcgttctctg tcggccccga gtataagagt gggaatggcc tcgctatcat 240
 cgccggccac attgatgcc tcacggcgaa gctcaagccc gtctcaaaac ttccaataa 300
 agctggatac attcagatgg gagttgctcc ttatgccggc ggtctgggca agacatggtg 360
 ggaccgtgat ttgtctatcg gcgggaaggt tctcgttcgt aacgctagca ccggcaaggt 420
 tgaatccaag ctagtcaagt tgaactggcc gattgctgc atccaacgc tagccgaaca 480
 ctttggcgct ctttcgcagg ggccattcaa caaggaaaca cagatggtac ctatcattgg 540
 agtcgacaac tctgatcttt tccagtctac cactccagcg gcagacgagg gcatcgaacc 600
 cggaaccttt gcctctacgc agccccaaa actcatcaaa gtgatctcca aggaacttgg 660
 aatcacaaac tacagcagca ttctcagctg ggagctagaa ctttatgaca gccagcctgc 720
 acgtatcggc ggtattgaca aggattttat cttcgccggc cgcattcgatg acaagctctg 780
 ctgctacgcc gcacaggaag ccctcatggc tacctccgac cacacctctc cctcttccat 840
 caagatggtc ggttactttg atgatgagga aattggtagc ttgctccgtc aggggtgccc 900
 ctccaacttc atgtctagcg tcatcgaacg cattgcacaa tcctttgcaa catcatatgg 960
 acccgatctc cttgccccaa ccgttgcaaa gagcttcctt atctcttctg atgtcatcca 1020
 cgctgtcaat cccaacttct tgaatgtcta tctcgagaac cacgcgcctc gtctcaatgt 1080
 cggcgtctcc gtctccgag actcaaacgg ccacatgact accgacagtg tcagctacgg 1140
 cttcatcaag cgcgttgctg aaaagtgcgg ctctcagctg caggctcttc aaatccgaaa 1200
 tgactccga agcggcgga ccattggggc catgaccagc tcgcggttg gaatgagggc 1260
 cattgatgtc ggtatccac agttgagcat gcatagcatt cgcgccacca caggagtcg 1320
 cgatcctggg ctgggtgtca agctgtttaa ggggttcttt gattactttg aagaggtgga 1380
 tcgtgagttt tctgatttt 1399

<210> 19909
 <211> 1403
 <212> DNA
 <213> *Aspergillus nidulans*

 <223> unsure at all n locations
 <400> 19909

ggccgagcag acctcctccc gcgcaattac ctgcacgtct tggcgccgat tcatcgctgg 60

aaagaggaca agacgacatg gtggcagtat ttccgacgcc ccttccatct cttcgcatTT 120
 cctaacatta tcatggtttg tattgtaccc gcgagcagtt tgcgggacgg gttctaataca 180
 agagcaggcc ggcctaatact acgcatttgc caacacagca ggaatcgtct ccttcaatac 240
 catctccgaa atcatgaccg gtgccccgta taactggtcc acggggccga caggcctcat 300
 gttcctagca gcattggttg ggtctttcat cgggtacgta aactcactct gcgcctcact 360
 gaatgccatg actaaaccgc cttcatcaaa gaatggctac cggcgccctc ggcgacatcc 420
 taaccctgcg ccttgcccgc gcgaacggcg ggtacaaaga gcccagagatg cgtctctgga 480
 ctctgagtct aagtttcggt tacggggctg tcggatactt catgtacggg tggctctgct 540
 cagatggcaa atcttgggtc ttgatcgcag tcggtctggg cgggatgac gcgcagcagg 600
 tctccgcggc gagtgtggca accgcttatg cgatggagt cttcgagggg gtgagttctc 660
 ctctacgcgc agtatatccc atttgacact gtcgagcctg ctgacctgtg tgtgcagatc 720
 tcgagcgagc tggttgtggt gctggcgatt tgttcttcgt gtgtgaactt tgccatctcg 780
 tactctgtcc agccgttcat tgaggcaacc gactacggac gcacgtttac ctgctttggg 840
 gcgctagttc tatgtagttt ggcgatggct ggtgcaggag tgaaatgggg gaagagtgg 900
 cggagacgat gtgcgagcag gtactggaag tttgtgagcg agggggttgt catttaggtt 960
 gagcttaggg cagtatgaag catgaacggg tcgtgtatgg ggcgagtgtg gcggagtaca 1020
 atccaggggag aagcttatnt gttttgggtc gtcaatgcgt tggtagtttt atatcagaat 1080
 atcattatga agacaagctt taattcccct agcttgacca tcttgactac gccctgaata 1140
 cggcctgaat tgattgtaga cctttagact aaatcttctt tggctgcgct aagtggcaga 1200
 gacttcacag gtgtgagtcg aggggtatacg caccatacag aggcacggct ggatgacaat 1260
 taatggagat agaagtcatg atagacagcg ggctgacttt tcaattgaca gaatctgagt 1320
 gtgcatatag taggacaaa gaaaccgcct aaatccactt attcagagta ttctcttcg 1380
 atctggagag catacaatgt agg 1403

<210> 19910
 <211> 1406
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19910

gcggggcgtgt cctctccatc tacgaatgcg tcactctgct ttggcctcgg ttccggtgcg 60
 ttgcctcgt tcggggcgcc caaaacaccc ggaggttcgt cggaggtgaa gactcctgga 120
 gaaaggaggg agaatcccac tgatcggacg gcatcatccg cggaggggtat caagtccaag 180
 gcttctgaac cccatctcaa ggagcacgtc ctgcgatcca cttggattat ctggtaccgt 240
 cctcctaccc ccaaattatc cgactatgag aagtccaccg caccgctcgc ctcaatccat 300
 tcggttgaga gcttttggtc ggtatactcg cacctcaaaa ggccttcgct ccttcctacc 360
 gtttccgact atcatatctt taagaagggg attcggcccg tatgggaaga cgaggccaat 420
 aagaagggcg gaaaatggat tgtcagactg aagaagggag tggcggaccg atattgggag 480
 gatcttctcc tggccatgat tggatgatcag ttgcggagg ccagtgcga aatctgcggc 540
 gctgttctca gtgtgcgaag tggatgaagat gttttggccg tttggaccg gatcgacggt 600
 gggcgaaaca tcaagatcag gtgcgttaag catattctac tgcggaccaa tttacctat 660
 taactaaata cagagagacc attaaacggt tgctcgctt cccgcgacac accaacattg 720
 tctggaagag ccacgatgac agcattgcc aacgctccg tattgatcag gctcgacaag 780
 agaaggccgc taacaaccac catcatcacc acaaccatca taatcaccat cacaaccaga 840
 accctcatca tcagtatggt ggagaccgcc gaaggccaac ggctgatgac tccacgggag 900
 ataagggaaa gggaccggca tcttgacatg ctttagagag tctgtgttat gatcgtgtat 960
 actaagaaaa cacaaaatca tggatgatt tgggtacggg gcatcggggc gaacattgcg 1020
 tgtgattatg gcttgggggt attcactatc attcttggat tcttgcgctg tcgctgtttc 1080
 atttcatctt tagggatatc ctggtgtcta cccgctgata tggtgtctga caagtaaagc 1140
 atttgccaaa cagctgtgct tcagggtattg tcataaatga aaacaacgct tgtctaaaga 1200
 ttcgttccgt ctgaacggct tattaccggc ctttatgggt tggacactgg gattgcgtaa 1260
 tcatatacgc tcattttttc caatgtcccg agcttgaaaa atgataccat actttgtgtg 1320
 attgtagaaa aacgcctcat gcgaaacaat agaggggtgg gttagtattg aagacgccga 1380
 tctgtaaacc gccgatcagt cttgcg 1406

<210> 19911
 <211> 1406
 <212> DNA
 <213> Aspergillus nidulans

<400> 19911

cgaagctgtg accacagggg ggattgtaat ggcgtgttac tgacggcggc aaatagtatg 60
gctacgagaa ttgcatatgc ctttatcctc cttataaaact caattgtctc gtggatcatg 120
ctcacgccat gggcgctgaa aaagcttcaa catcttacgc tggactatat ggagataaag 180
tgcgacggga aggaatgtta cggctgggtc gcggttcac gaatcaactt tggctctggg 240
ttgttccatt tggttctggc cctgttttta ctaggtgtga ggtcgtcgaa ggatggtcgt 300
gcggctcttc agaatggttt ttggggcccg aagatcgtgc tctggctctt gtttgtggtc 360
atgtcgtttt tcatcccgga agcgttcttc tttgtctacg gacactacat tgccttcttt 420
tgcgctatgc ttttcttact cttgggcttg attctgcttg tcgatctcgc gcatacctgg 480
gcggagctgt gcttgacagaa gattgaagag agtgattcgc ggacgtggcg tgggctgctg 540
atcggtcaa cgttgggcat gtacattgcg tctatcgtga tgacgatctt gatgtatatc 600
ttctttgcta aaagtggatg ctccatgaac caggctgcta tttcgggatg tttcatccct 660
tgtttctgcg gccaaagctt acgtgacaga tcaacttggg ggttttctta atcatctcct 720
tcgtctcggg gcagcctgca gtccaggaaa ataacccccg cgtcggattg gcgcaagccg 780
ccatggtgac tgcttactgc acctatctga cattgtcagc cgtctcaatg gagcccgacg 840
accgccaatg caacccttta attcgcgctc gcggcactcg aaccgccacc atcgtcctcg 900
gtgcaatcgt caccatggcc accattgcat ataccacgac tcgggcccgc actcaaggct 960
ttgccctagg ctccaaaggc cacaactact cggagctcgg taccgacgac aacgagcatg 1020
gtcttgtcac gcagcaacct tctgcccgc gtgagatgcg cgcgaggcc ctccgtgctg 1080
ccgtcgccag cggcgctctc ccagccagcg ctctagacga aagcgatgac gaggacgact 1140
acgacgtaaa ggacgatgag aaggggtcaa ccagtagaaa ctactctctt ttccacatta 1200
tctttttctt ggcaaccacc tgggtcgcta cgcttctgac acagaacctg gacccggagt 1260
cagttgacga ctttgcccc gtgggcccga cctactgggc gagttgggta aagattatca 1320
gcgcctgggt gtgctatgct atttacctgt ggactttggg tgccccgac ctgctcccag 1380
atcgatttga tatgtactag gtatca 1406

<210> 19912

<211> 1407

<212> DNA
<213> *Aspergillus nidulans*

<400> 19912

tgctactgaa gaattcatcg ggacctgtcc cgagtctaata atcgacgata tcaactcagc 60
cattcgcgcc gccgcaacgg cattcccaaa atggcgcgct ctctcgggca gacagcgcgg 120
caggatcctt cgccgatggg tcgatctgat tgtcgagaac aaagaggata ttgggaaaaat 180
cattaccgcg gagaatggga aagcgaaggg cgatgcggag ggcgaggcac tgttttctgc 240
ggggttcttt gagtggttct ctgaagaggg agcgaggatt tatggcgatg tcgttccgca 300
tagtaacccg agcagtcggg tgcaggtcct caaggagccg gttggtgtgt gtggattgat 360
tacgccgtgg aattttccta tggcgatggg ggcgagaaag gttgctgctg ctttggcggc 420
cgggtgtaca gtggtcttga agtcggatgg actgacgccg tactcgtcga atgttttggc 480
gctgcttgca gagagggcag gtgtgccggg tgggtgtgtc aatgtggtga ctgcccttga 540
gaatacgccg gcgttaggcg tggcgctgtg cgagtcggat aatgtgaaga agatttcgtt 600
tactgggtca acacgagtcg gcaagttgct gatgaagcag tcaagtcata cgctgaagaa 660
gttgagcttg gagcttggag ggaatgcgcc gtttatcgtg ttcgatgacg ctgacctga 720
gactgccgta acaagtgccg ttgcttgtaa gttcaagggt actgggcaga cttgcgtgtg 780
cgcgaacagg ttttatgtac aggagggcat ctacaggcc ttcagtaagc gcttcgtcga 840
ggaggtgaaa aagtgccagg ttggccatgg actagatcct ggagtgacac acggaccctt 900
gaccaacggc atcgcaaga cgcaggaaca cattcaagac gctcttaaca agggggctac 960
tgtgttactt ggtggcagcc gcctgccgtc cttggcaag aacttccacg aacttaccat 1020
cctcggcgac gtcgacgatt ccatgaaggt tgctagcgaa gagacattcg ggccctcgc 1080
agcgtgtcc aagttcaagg cagaggatga ggtgttcgt cgtgcgaacg gcgtcgaggt 1140
tgggtctggca tcgtacttaa tcaccagtga cctgggtaaa gcgcacgagg tctcagaaaa 1200
gctggagttc ggcattgtag ccatcaacac cggggttatt tccgactctg ctgccccgta 1260
tgtcccagtt cccgttctca cagtatgaaa ctaacgccta gcaggtttgg tggagtcaag 1320
cattctggta tgggccgcga aggaagcaag tacggcattg acgactattt gaacattaag 1380
acaattgtca ctggcggcat ccacaca 1407

<210> 19913
 <211> 1409
 <212> DNA
 <213> Aspergillus nidulans

<400> 19913

```

tggctgctcc ccaaggctac cctctcctct gcttggagaa ccccttctg ggtgcgtaaa 60
tagatccctt gcatggacaa gccgttttta tccaacctg cctggcacia caaattactg 120
atgcttcttg tgcttcgctc agatatccaa gctgtcgggt atgttgaaca aaggcgctaa 180
tttgttggca ttgggccccaa ctaataacgg cgatagtac gactctctcc tcgagaagta 240
tggactcaaa gccaacgatg ctatccttgc cgaagagaag cacatgggcc tctacgaaga 300
attgtccag caccgtgatg ccaagctgat tgctggtggt gccgtcaga aactgtctcg 360
tggcgctcag gtaatccgcc ttcgtttgtg atatctgcat atgacaattg ctgattcaat 420
tgctcatagt acatccttcc ggataactcg actctctaca ttggctgtgt cggttaaggac 480
aagtacgccg acatcctcca ggacgcctgc aagaaggctg gtgtccacac cgagtaccgc 540
gtcgatgatg ctacgccac tggcaagtgc ggtgtcatta ttaccggcca caaccgcagc 600
atgtgcactc accttgctgc agccaacgaa tacaaggagg accatctcaa gcagcctcac 660
atctggtcgc ttgtcgagaa ggcccagtag tactatgttg gtggctacca cttgacagtc 720
tgtgtccccg cgatccaggc cctaggtgaa gaggccgctg cgaagaacaa ggtatgaaac 780
actgggtccg tatcttacgg cttgagactc cgctaatcaa gcctgactca ttaggtcttt 840
atgtgtcttc tctccgctcc cttcattccc cagttcttca aggaccagct tgacagtgtc 900
ctccctaca ccgactacac attctgcaac gagacagagg ctgttgctta cgccgagagc 960
cacgaatggg gcaccaccga cattgtcgag attgcgaaga agctggctca gctgccaag 1020
aagaacacca accgctcccg aattgccgtt gtgaccagg gcactctgcc caccatcacc 1080
gctactgtta ccaccagcg tgaagtcgaa gtcaaggagt tccctgtgca cgaaatttcg 1140
aaggacgcca ttaatgacac caacggtgct gggtaagttt tcaagctggc tacgctgaac 1200
acatctgacg attcgcgctc tagtgatgct ttgcccgtg gtttcgtcgc cggagtgttg 1260
cagggcaaat cccttgaaga gagcgtcgac ctcgccagt ggctcgcgaa gttgagcatc 1320
caagagttgg gaccttcgtg agttccctct ttgaatatca gaagcactta ggagcactca 1380
tgctaataat aacacagcta ccccttccc 1409

```

<210> 19914
 <211> 1409
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19914

```

tggttaaaga tacgaagttt tacgacatcc tcggggtaag tagcgatgct gcattctgtg   60
cacgtttgca gcaaaataat taacggcgac tgttgtaggt tgaccgcgctg gcctccgagg  120
cccagctgag aagcgcttac aagaaggggtg ccctcaagta ccaccctggt aagtgaccat  180
atagacgaga gcgaagtgga gcgatcggta tcctaacgtg ctttgtgcag acaagaaccc  240
caacaaccca gaggccgctg aaacattcaa ggaaatgtcc aaggcgctacg aagttctctc  300
cgatcctcag aagcgtaaca tctacgacca acttggtgaa gagggctctg aaggcggtgg  360
cggtgccggt ggaatgggcg cggaggatct cttcgcccag ttcttcggcg gcggcggtgg  420
tttcggcggc atgttcggcg gtggtatgcg ggatcagggc cccaagaagg ctgcgaccat  480
tcaccacgtc cacaaggcca acctggaaga tatctaccgc ggcaaagtat ccaagttggc  540
tctccagaag tccgtcatct gtcctacttg cgacggtcgt ggtggtaagg agggcgctgt  600
caagacatgt gctggctgta acggttccgg tatgaagacg atgatgcgcc agatgggtcc  660
catgattcag cgcttcgaga ctgtctgtcc cgactgcaat ggtgaaggag agaatatccg  720
tgacaaggac cgctgccgca actgccatgg taagaagact gttgtcgagc gcaaggtcct  780
tcacgtccac gttgatcgtg gtgtcaagaa tggccacaag atcgagttcc gcggtgaagg  840
tgaccagctt cctggcgta tgccctggta tgttgttttc gagattgagc agaagcccca  900
ccccgattc cagcgcaagg atgacgacct tttctaccat gccgaaattg acctccttac  960
tgcgcttgct ggcggaacaa tcaacattga gcaccttgac gaccggtggt tgtctgtaac 1020
aatcgcccc tggcgaggta tcacacctgg taagtccctt tcttttcgcg cgcgctccgc 1080
gcgaaactct cgtggtacca acgtaacgca attataggtg tcatcaaggt tatcaagggc 1140
cagggtatgc cgtcgtaccg ccaccacgat cacggtaacc tctacatcca gttcgacgtc 1200
aagttccccg aaaaccacga acttagaaac ctcgaacttt tggagcaggt tctgcctccc 1260
cgacaggaga caaacaggcc tcctgcggac gctatggtgg aagactttga tttggaggag 1320
gttgataaca gcgagcgctc acaagcacgc gtcacgggg cggccagcat ggacgaggat 1380

```

gacgatgacg ttctctctgg cgctgagcg

1409

<210> 19915
<211> 1411
<212> DNA
<213> Aspergillus nidulans

<400> 19915

cttgtgttct gccacttcat ggtaagcttg aacaaaacct tcgagtattg gcaagagact 60
aactgggtata gattggcatt tcgagtaatc gcgagagcgc cgacgactac gacgccgaca 120
tgcagctagc gaaagacctt ggcacgcacg catttgccct aaatattgga gtcgatccgt 180
acaccgacac gcagctgggc tacgcctatg agtcggctgc ccgcaacgat atgaaggtct 240
tcatctcggt tgatttcaat tggtagcaca ccgacagcgc cgctgccgtc ggatcaaaga 300
tcgctcagta tgcaagcgag cctgagcagc ttatggttga cgacaaagtg tttgtgtctt 360
cctttgcagg agacggatc gacgtagcgc agatcgagtc tagcgctgga actgacatct 420
tctgggcacc taactaccac cctaactatg gcgactttgg cgatgttgac ggtgcgctga 480
attggatggc ctgggacagt gatggcaaca acaaggcacc caagcccgtt gccaatgtga 540
cggttgccga tggatgatcg gcatatactg aagccctagg ggacaagcct tatgttgccg 600
gtaagtttga tgttctggct ctgagcact gtggctgatg aggatagctg catcgggctg 660
gttctttacc cattttggag gcgaggtatc gtacagtaag aactgggtgt ttcccgtgga 720
tttgctttgg tacaaccgct ggagagagat tctggaactc ggtcctcgtt ttgttgaaat 780
cgttacctgg aacgattacg gagagtcgca ctacattgga cccttgctgt ctccgcacac 840
agacgatggg gcttcgaaat gggtaatgga catgtgagca gcattctttc attttcaatc 900
cactttgaca gaccataatc ctgacttctg caggccacac aatggctggc tcgaaatgtc 960
acgccccttc atcgccgctt acaaagcagg cgagacctcg ccggaccagt acattcaaga 1020
cgagaagctg atctactggt accggccgac gcccaaagac gtcgagtgcg actcaacaga 1080
caccaccatg ggcggaagcc ctgacaactc gactggaaac ttctttcgcg ggcgtcctga 1140
cgggtgggag attatgcagg acgaaatctt tgtgtctcgt cttctcacgt ctccggccac 1200
gatccaagtc acatctgggg caaaagagag cagcttcgag gcatccgctg gagcaagcgc 1260
attcgccatg gaaatggggg tcggggagca gacgttttcg gttgttcgcg atggtgaaac 1320

cgtcattgtt ggtacaagtc tgaaggatat tgtggacgag tgtgtttgcg gcatatacaa 1380
 cttcaatgag tacgtggggg ttgtcccacc a 1411

<210> 19916
 <211> 1411
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19916

cgcgcgatt agcggatcta aaagtggctg gaaagcagtc ggcaaccgt gtctctgctg 60
 ataggatatca tggatttct acgccagttc cttctgcacc tgcattgaac ttacttgcaa 120
 actccgtggc cacaccacc ccggcatata acgatgcctc agtgaagcgt ctctgatctc 180
 ccagccggc cttcacctca aagcaaatgc aaaaaaccac ccagcaatat acaggtaaga 240
 ccataatat gctccggggc aaagcgaacc cgtctcgggt gtctagtcgc agccccaggc 300
 agtctcagga agccactcga gcgccatcac ccgtgctcc taggcgaagc gtaagccctc 360
 aaccgcaacc gcaacagcaa ccggccactc gaggagagtc acgaatgagt caatacagtc 420
 gcgctgcaag cccaatata agccaatacc aatcgagcag cgtgaagagt cgtcacagtc 480
 aatccccaag tgtctctact ccccccacaac gcccaagcga ctctccatat tcgctcatg 540
 actttgcaaa gcgaagttct gcaagcgctg ctccatcgcc aactacaacc acagctccca 600
 gggcaccctc accgaaggag tttgccaaag gatcttctca gagctcagct tctcagagccg 660
 catccccgca gccacaattc aagcagcaag cctccgtccc tcgagctgta tccccacagc 720
 cgcaatacag acagcaagct tetgcccctc gagctgtatc cccacagccg caataccgac 780
 agcaagcttc tgcccctcga gctgtatccc cacagccgca ataccgacag caagcttctg 840
 cccctcgagc tgtatcccca cagccgcaat accgacagca aacgtccatt ccacgcgcgg 900
 tctcacccaa tgacttcgcc aagcggccct ctccagaactc tatgccaaag gctgtatcac 960
 cccagcctca gttccggcaa caagctcgac cttcgagcgc cggtggaatg gagctgcagc 1020
 tttcacagcc ggatatgtac ggcagtagcg gcgacggata cgcattccccg cagaggggaat 1080
 ctagaagacc aatgtcgtac tatgatgggt gtagtcagcg cagtcgatcc aggagtcgat 1140
 cgatggcggt cgcggatcca ggaagacagt ttagccgcga tggccggccc attttgcaact 1200
 ctgggtatgta ccagatgtac cggccaatca tccatgtcat gcacaccttc atactaacct 1260

ttactgtcct gatagccgc gcactgtaca gctacaccgc tgccattctt gaagaacttg 1320
gattccagaa aggtgatgtc ctttccgtta tccggcttca ggatgacggg tgggtgggaag 1380
ctgaagtcac taccacccgc ctaaggacgg g 1411

<210> 19917
<211> 1412
<212> DNA
<213> *Aspergillus nidulans*

<400> 19917

tccggtccgg tctgattgtc agtcttctgt ctatcggaac gcttattggt gctctctgtg 60
gtgctcctct cgctgataag ctgggccgga aatgggtccat cactgtctgg tgtattatcc 120
tcatggtcgg aatcattgtt cagatttccg ccccttccgg taactgggtc caaatcgta 180
tgggccgctg gaccactggg cttgggtgtc gcggtatgtc ccgtgggtgt tcccatgtac 240
caaggagaga gtgcccccaa gcacgtccgt ggtgccatga tcagttccta ccagctgttc 300
gtcacgcttg gtatcttctc agcatactgt atcaaccttg gaacggagag cttggatggg 360
agtgccaat ggcgtatcac tctaggtctg accttctgt tgcactcat ccttggcttc 420
ggcatggcca tgtttctga aagccctcgc ttcaactacc gtcacggcaa gattgacact 480
gcccgtacga ctatggcccg tctttatggg gtcccagaga accacgtcgt catcgctccg 540
gagctggctg aaatccaatc gcagctcgac gctgaaaagg agcagtccta gaaatggaac 600
gaattcatca ccgccccacg catgctgtac cgtattcttc tgggtattgt tctccaagct 660
ctgcagcagc tcaactggcg caactacttc ttctactatg gtaccaccat cttccagggt 720
gccggtatct ccaactcttt catcactcag gtcattctcg gagctatcaa ttttgaacc 780
acctttggtg gtctctacgt tgttgagaac tttggtcgcc gcaagtcctt cattgctggg 840
gcttcttga tgttcatctg cttcatgatc ttgcctcca tcggacactt tatgtctgac 900
gttgagcacc ctgagaacac ccccgaccc ggcaagggca tgggtgtcgt cgctctttc 960
ttcgttctct tctacgtac gacctggggg cccatcgtct ggtccatcgt tgctgagctc 1020
ttccctcca aataccgtgc caagggtatg gctctcgcca ctgcttcaa ctggctttgg 1080
aacttctca ttgggtatgt ctataaatat cttcttatac gtaccgtact aacagttgcc 1140
ttagtttctt cactcccttc atcaccggag ccatcgattt cgcgtacggc tacgtcttcg 1200

cgggctgtct cctcgctcgt gtcttcgtgg tctacttctt cgttattgag ggtaaagacc 1260
 gaactctcga ggagctcgac tggatgtacg tcaaccacgt caaacctcgg gagagcagca 1320
 agtacgagat cccgcggatc acctaccacg atgacgctcg cggagccagg aaggagaata 1380
 ctgagcacgc tgaagttgct tagttctctt gt 1412

<210> 19918
 <211> 1413
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19918

gcacggtcca gcaggcgaat gaagcagaga agaatatcga gatatggaag atcaagaagc 60
 ttatcaagcg gcttgaggct gcccaggagaa atggaacatc catgatctcg cttatcatcc 120
 gtatgctttt gctcctggaa cggggcgctc tttgaaagca ctaacatttt tgcttagccc 180
 ccaaggatca agtatccaga gcagcgaaga tgttggctga agaatttggt agtttcgtcc 240
 tctattatgt atgatcgaga attcctctga ccattgccta tagggcactg cctccaacat 300
 taaatcccgc gtcaaccgtc tctctgtact ttccgccatc acgtctaccc agcaacgtct 360
 caaactttac aacaaagtcc cccccaatgg tctcgttgta tactgtgggt aaattatcac 420
 ttcagaggga aaggagcgta aaattaacat cgacttcgag cccctcaagc caatcaacac 480
 gtccctatat ctttgtgaca acaagtttca caccgaagcc ttgagcgaat tgcttgagtc 540
 ggaccagaag ttcggcttta tcatcatgga tggtaatggt gcgctctttg gtactttgag 600
 tggcaatact agagaaattc tccaaaagct tagcgctgat ctaccaaga aacacggccg 660
 tggtggtcag tccgcccttc gttttgcacg tctacgagag gagaagcgtc ataactacgt 720
 gcgaaagatt gctgagttgg ctgtgcaaaa ttttatcacc aatgacaaag tcaatgtcgc 780
 cgggtataatt cttgctgggt ctgccgattt taaaaacgat ttgaaccagt cagacatggt 840
 tgaccagcgt ctgcaagcga aggtcatcaa ggtcgttgat gtgtcttatg gcggcgagaa 900
 cggtttcaat caggcaattg aactttctgc cgagactcta agcaacgtca aattcgttca 960
 ggagaaaaag cttattggaa agtatttcga agaaatcagc caagacacag ggaaagtttg 1020
 ttacggtggt gaggatcccc taaaggcgct ggaattggga gcgtgtgaaa cgctgatagt 1080
 ttatgagaac ttggatgtta ctagatgggt tcttaagaac tcggaaggca acgaagtcgt 1140

cgtccatacc accaaagccc aggaggaaaa taaggagttc ttcttggaca aggatactgg 1200
 cgccgaaatg gaggttgtgg accaaagctc ctctctcgaa tggcttgcgg aaaattacaa 1260
 ggactttgga gcgactctag agtttgtttc ggacaagtgc agtgaaggaa accagtttgt 1320
 caaggggttt ggtggtattg gagcaatcct ccgatacaag gtcaattttg agcaacttgc 1380
 cgattacagt gacgaggatg aattctacga tgg 1413

<210> 19919
 <211> 1414
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19919

ccgggggtgc cgagtcacgc ctaccacaag cacggttaat ggcgtccgtg agcagccagg 60
 tcaaggctga tacgccgcaa tccatcgctc atctctccaa gccgtttgat gggttaccga 120
 aggggtggcct cgctacattg cttttcggaa acaagaggaa gttggcacag ttagaagacg 180
 aagaggatgg ccacaccgaa aaacgtgtgg ctttggcaag ccagaatggc gcgactccta 240
 tacttaccag cgcacctgaa ggctctctcc cggcgagcc ccaggacct cccacaggac 300
 aacaaccgac tccagagttt atccggcctg cgggtggtgaa cccatgtatg tccgtgagcc 360
 aacttcgatt agccgtaccg aaagttcgca cccacattgt acgcgctatc gactctgcag 420
 gcaagccgac agaacctcct agcacgtccg gagaatcgaa caaatcgcg gtagatgttg 480
 ttttcgaagc tcgaaatccg tctggggcta gcttaacagg acgagctgct gaccgtgagc 540
 cgggtccgact cactctatct cgcggcgagc agcctctttg gcaggacttt ctccaagaa 600
 ctgttctcct cgttacagga aatcaaaata tgtggtcagc cgcctgcgaa gacggatcag 660
 tgtacatctg gaccccgggc ggccgtcgtc tagtcagcgc tctcgtctc gaagcacaac 720
 ccgttatcct agaatgcaac ggtccttggg tctctccat atctgcagta ggcattgtgt 780
 acgtctggaa cgtcgagcac ctctcgtcgc cacatcctcc agtctctctt cagcccgctc 840
 ttgatgccgc cattcacacc ctaggcgtc accccagcgc cgcctctcc atcaccaacg 900
 cccgaatcaa ctccgaaggc cgcacatca tcgccctttc caacggcgaa ggatacgctt 960
 actccccatc cctctacacc tggcagcggc tctcggaagc ttggtgggac gtcggcagcc 1020
 aatactggaa ctcgaccgaa gccccgttg gtaacctgca atctgcgtca aacacacagc 1080

agaaggacaa agatgccga gcagccgtct cagctggcat catcccgttc ttagaacgca 1140
acaccacaaa cgagacactc ctccgtggcc gcgcttactt cctacaacga ctcacaaaa 1200
cccttctgtc aagagaagga tacgaaagct tcgaatccag tgtttcaatc gcgcatttgg 1260
agaacagact cgctgggtgcg ctctctcttg gtgcaaagga ggaattcagg ctatatctgt 1320
ccatgtacgc gaaacggatc ggggccgagg gtctgagggg taaagtggag gaactactta 1380
agggtttgtt aggcgggctt tttgaaaacg atga 1414

<210> 19920
<211> 1414
<212> DNA
<213> *Aspergillus nidulans*

<400> 19920

tgctctcagg gatcttgatt ttttaaccaga aaggcgagaa tctgatcttt cgcgctttcc 60
gcaatgactg cgcggcccg ttagccgaca tcttccgcat ccaagtcac tcgaaccgc 120
aggtgcggtc tccgatcctc acgcttggat cgaccacatt cagccatgta aagcacgaga 180
atatctacct agtcgctgtg acgaagagca atgcgaatgc ggcgctggtc ttcgagttcc 240
tataccgact ggtgctactg ggaaagagct actttgggaa attcgacgag gaggccgtga 300
agaacaattt tgtgttgatt tatgagctgc ttgatggtgc cctctttccg cttcctacaa 360
tctttataga aacagctgag gctaatagta tcttctgtg ataaacagaa attctcgact 420
tcggctaccc acagaacacc gaaactgaca ctctaaaaat gtacatcaca accgagggcg 480
tgaaatccgc tataacaaat aatccgtccg actcagcgcg aataacgcag caggcaacgg 540
gcgcgctgtc ctggcgccgc gcagacgtca agtaccgcaa gaacgaggcc ttcgtggacg 600
tcattgagga cgtgaacctg ctcatgtccg cgacggggac ggttctacgt gcggatgtaa 660
atgggcagat tgtcatgcgt gcttatctga gcgggactcc cgagtgcag ttcggcttga 720
acgaccggct gttgctcgat aatgatgcgg cgggtgccgg ggtcctcaa ccccgagca 780
ggagggaggg gagttggtg acatagctcg tcgaagacaa gggctgcagc gggtagtgtc 840
actctggagg actgccagtt ccatcagtgc gttaagctag gccggtttga ctcgatcgg 900
attattagtt tcgtgccgc ggacggggag ttcgagctta tcgggtatcg cgcgacagaa 960
aacgtcaacc ttccgttcaa ggtgcatcca attgtgcggg aaattgggac gacgaaggtc 1020

gagtacagcg tagcacttaa agcgaactac tcgtcaaagc tctttgcgac aaatgtcgtg 1080
 atacgcattc ccaccaccgt tgaatacggc taaaactacg gagcggacct cgcagggccg 1140
 ggcaaagtat gagcctgagc ataacaatat cgtgtggaag atcgcacggg tttctggagg 1200
 ctctgagtat gtactcacgg ctgaggcaac gctctctgcg atgacgaacc agaaggett 1260
 gagtcggccg ccgctcagtc tgaacttttc cctcctgatg ttcacgagct cagggctact 1320
 tgttcgctat ctaaaagtct ttgagaagag caattatagc agcgtgaagt gggcgcgata 1380
 tatgaccaga gcgggaagtt acgagattcg gtac 1414

<210> 19921
 <211> 1419
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19921
 cagaacggca ccccttttcc tcgtacttc agtgccatca gtccacatt tcaattcccc 60
 gtccgacta cgacagccgc atttgtcttc gtctgctct atgggctgct ctacctagct 120
 tccacaacgg ccttcaactc aataatcacc tctgcagtgc tgtttctgaa tatcacgtat 180
 gcggtaccgc agggaattct tttgctccag cgagcacgat cactgctcac cagcagctca 240
 aagacgaata cggatatgag cattcttcct ccaggtacc tgagtcttgg gccccttctc 300
 ggttcactct gcaacgcctt ctcaatcctg tggattattg tcctgggtgt attcgtttgc 360
 ctccgcctg agattccggt gaaccttgcg tcggcaaatt atacgcctgc tgttgcagtc 420
 ggaatctttg gccttatttt gctgttttgg gggcttggg ggaggaagat gtttgaaggg 480
 ccgcaggttg attgggaggg gttggagtta ggggtgaggg tgagggtagg aggagaagcc 540
 tagcaacatg aaaacatgca gtgcaggtgg gcaagctgg aagtgaata actgcaaagc 600
 tagattgagc gtttagggta tagggcttga tattatactc gttttgcttg ccatgtcatc 660
 ctactatgca tcttcaagag taagggcctg accgacttgg aagggagaat taggtccatc 720
 acgcaggcgc aatctggcct ttatcagtca tatagctggc tacacctta taaaggcatg 780
 tttgtccttt cctcgatttg tttctggcgg tcatgttga gaactagtct gtggagtagg 840
 agctagccct aactgcccg agccgaacc ctgagctgat agaccgttca ttcacatctt 900
 gcttagcttc atccactcta gacacatgca ccagtctctt gtattcagta ttccggctct 960

gcatgcgttc tcttcttttt ttcttctact gcggccatgg ctcgagcttc tttcactaac 1020
 ttttgctoga ctcgtttctg tcogacatct tttcaacttt ctctgctctg ttattttcttg 1080
 attccgagtc gctaggttgg acttgctctg cattattgtg ttttctctgc ctgcttgtcc 1140
 gtttgctcat ggttgtttct ttttcaattg cattgcgcct tcgctggacg aggcaagtca 1200
 tctgaatata tatcctctca aacaatgcct caataaaaaa tcaaaaatat tcttcgtcct 1260
 gtccacgttc actggattca gtgcgaacga cttcttcgag gtccacaccg aactccgtgc 1320
 catgattggg acgactggaa gcttaagtct gagccttcgt cgcaaaatac catcatgatg 1380
 acaaggttc gtttgctttc gttagtctga aagaagacc 1419

<210> 19922
 <211> 1420
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19922

acacgccctt tggccgcttt ctctcgtaca tgacggcatg gatcaacacc tttgggtggg 60
 ggaccttgac agcgtcgcaa gtcgccttca tgaccgagtt cttgctaggc atgaaaacca 120
 tgtttgatcc agactgggac ggtgcggaca agggctggct tcaatttgtt gtctacatag 180
 ctgtcgtctt cgtcctgaca ttgaccaatg tcgtcagttg tcggtcggaa caggtgcttc 240
 cctggctgaa caatttcgtc ggcgctctgg tccacggcgt ctttgttatc ctctctcttg 300
 ccctgttgat ctcagtcggc gtcagatcgg atttatcctt ccagcccgcc tccttcgctt 360
 tcggacaatg gatgaaccgc accggctggc ccgacggcgt cgtctggttc acagggctcg 420
 tgcaggccgc gtacggcctt acagccttcg acgctgtcat ccacatggtc gaggaaatgc 480
 cgtctccgcg ccgcaacgcc ccgctgttga tctggcttgc tgtcctctc gccgcaataa 540
 caggcttcat cttcatgctg atctgtcttt tctgcatcca agaagttaat accgtcgttg 600
 atgcaaacct accatttatc gaactgatgc aggagaccgt cggctctccag ggccgagctg 660
 ttttgctcgc gctgtttatc ttcaacggcc tgggccaggg gatcagtatc ttgaccacgg 720
 catcacgggt gacgtggggg tttgctagag acggcggcct ccctttcagt ccgtatctcg 780
 cgcacatcga cacaacctgg aaagctcccg tccgcgctct ctggatgcaa ggcttcctga 840
 tcgcgctagt gggagtgtc tacctcttcg ccagcacctg cctcgacgcc attctcagtg 900

tcagcactat cgctctcacg gtttccctacg gcattcccat cgccgctctt ctatatgtcg 960
gccgggacac gcttccgccc ggcccattca ggctcgggcg ttgggggtgca ctagtcaact 1020
ggattagcat tgtctattgt gctgttacaa ctgtgttttt cttcttcccg ggagggtccg 1080
acccgaagcc cgcggatatg aactacgcca ttgcggtggt tggcgtaatg ctggttgctg 1140
ctattggggt ctggtgggtg caggggaaga agatgtacct gcgcacggag gatgcaatgg 1200
cacagatgat ttttgcgagg aggttggaag gggaaggggt tggcttaagc gttggtccg 1260
cagataagaa tagatgattc acagctttgc tcttagatct ttcacttaaa tctgagtcca 1320
tcagtgtgtc agcactcctt aagattcaac aatagtagtg aattactggc agatagatta 1380
cttctcaaag acgagactga ggatgctgcg ccaaattgcc 1420

<210> 19923
<211> 1421
<212> DNA
<213> Aspergillus nidulans
<400> 19923

cggcactgtg ggcaacctca ccccggaaca agaggccaag ctccaggaat tctgggtcct 60
cttgttcaag gtgtgtggcg tccagatgga tggatataga gaaaccgaga accgtcccc 120
gagtcccgca caagaaaaaa agcagccgcc aaagcgcaga ttcggtttct ttggaggagg 180
ttctcaggag aaagatgaat ctaccgcagc gaacgatgct gcctccggtg tgcggtcact 240
tacaattacc gatggagacg ataagttcgg cacgtcgaag gagttccaga aggctctcgc 300
tgaaatcaaa ccagaggaca tgcggaccgc gttctggagc atggtaaaac aggacaaccc 360
ggatagcctg ctgctgcgtt tctgcgggc gcggaagtgg gatgttaaga aagcgctcat 420
gatgcttatt tgcaccattc gctggagact gcttgacgcg aagggtggatg aagatatcat 480
ggtcaatggg gaacatcttg ctttgagca actaaagagc agcgacagtg ccgaaagaaa 540
gaaggagaa gactttatca aacaattccg cctgggcaag agtttcttc acggtgtcga 600
caagctgggc cgtccaatct gttatgttcg ggtccgtttg caccgtgccg gtgatcaaga 660
cattgaggcg ctggaccgat ttacagtgtt tacgatagaa tctgctcgga tgatgttggt 720
gcctccagtg gaaacagctg taagttctgc agacgtgggc tggctggaat tcatctaaca 780
agatatcagt gcgtcatctt cgatatgact gatttctcac ttgcgaatat ggtataatct 840

gcgttctagg ctttttgaga tttgctaate gtgcttcagg actatcaccc ggtaaaattt 900
atgatcaagt gtttcgaggc gaattatccc gagtctcttg gcgtagtact tatccacaag 960
gcgccttgga tcttttctag ttagttccca catttgctgc cctgacctgc aggtttaacg 1020
gacttttttt tttttctagg catctggaac gttatcaagg gctggctaga cctgtctgtc 1080
gctgcgaaga tccagttcac aaagacacaa caagacttgg aggaattcat cccaaagtca 1140
cgtatcatta cagagctcga gggcgacgag aaatgggagt acaagtacat tgaacctaac 1200
gagggcgaga atgataaact gaaggaaact gccaaagcgc atgaattaat aactcaacgc 1260
caaaagctgg ccaaggaggt ccaagatgca accgttgctt ggatccttgc tagcaggaaa 1320
aaggaagaag ataaggctaa ggaggttacg gaaaagagaa aggatctcat cggacgtctg 1380
cggactcagt actggcagct cgatccttac gtccgtgcac c 1421

<210> 19924
<211> 1423
<212> DNA
<213> *Aspergillus nidulans*

<400> 19924

cccgtcaagt ccctatcggc tgccttcttg atctggaagg ccatcctctt tgttgccata 60
atcagctctc cagggcttgg ctatgataca tcgtcgagcc ttcttccgct cctggccaac 120
ggctcggctc agaccgcgcc agataataag aatctgtctc ttccaattcc gctgaaattc 180
gtccgatggg actcgatcta cttcggtcac ataggccagg ctgggtacgt ctttgaacag 240
gaatgggcgt tcagttctgc atacgggtat ctggtcaatt ccttgtcttg tcgtatgtct 300
gtccccctat tagtcttttg atatcggttc taacttatte agtttttttc ccatcgatatg 360
attcaaaggg agtagcagag ttcgctatcg ctgctgttgt gctgtcacat gtggccatt 420
atctttccgt cctaacattg taccagctct ctctcagtgt ctttggctat gagaccgaga 480
gaaagaggct cgtttgcttt ctttctgcgg ctctgcatat catctctcct gctggaacat 540
tcctctctgc gccctatgca gagtctctct tctcattctt gaacattgcg ggactctaca 600
gttactcgtc ctccctcgtt gatctcacca agcgaaagca gttagtaagc catgtgaaac 660
tcctcatttc gggatgtttc tttgcgatag ctaccgctgt gcgcagtaat ggcatcctca 720
gcgggattct tctagcatat gaggtggctg ctgcgcgttc gccagagca gcccgccgtc 780

tgtgcttcgt cattacgagc ggctgcatcg tcgccctggg gtttggttatt cctcagtact 840
 tagcgtacac cgcatactgc tcgaatgata gcctctcccg accctgggtgt cactcccttg 900
 tcccaagcat ttatggctgg gtccaggctc attactggta agttcttgag aagtttgctc 960
 cagatttagc tacatgttaa tatgcgaaca ggggcgtggg attattccga tactggacag 1020
 tgtcaaatct tcctcttttc ctactcgctt tgccaatgct gcttattctc tttcagtcct 1080
 gcttctggac tctgcgcgca ggagctccct gctggcttaa aaactctgct gaagccggctc 1140
 gtcttcattt gcccgattcc tcagcccaat tgcttaaaca actcgctgtg gtccagctcg 1200
 tgcttgcgac aatggcttta actagttatc atgttcagat cattaaccgg atttcgtctg 1260
 ggtaccctct gtggatttgg tatcttgcta accaagcttt ggaaatccca aatcgatcct 1320
 cgcccggtggc cagatatagc agtctgttcc tggtgagctt acaagcaatg gtaatttatg 1380
 cacttgttca aggcgttctt tttgcctctt ttcttctctc ggc 1423

<210> 19925
 <211> 1424
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19925

ggcaggggtc ctaagtccta cgcgtacttc catgccctgg aagtttcaca tcatgtcttt 60
 ataaacatgg gaacgaagaa ggtctacgtc ttgccogaag gatatgaggt gaaaaataag 120
 agcttggtatg atattaaata cgtcgtcgac ccatactaca ccaaggacga ggtcgcaaaa 180
 ctggacaaaag tagtcacaga tgcattcgac ttgtcgggga gacgctatcg accagggtata 240
 tcgctcccta ttctgcgat tctcagata aagctaattg atgtatctac aggctttggt 300
 ggtatgaaca atatcaaggc caacgactat ttgaacgtcg tggctcaggc tcttgcccat 360
 gtccttccca tccgcaatta ctttctctc cagcagtttc cacaaccagg tacacctcag 420
 ctggctctgc gttttggtac acttggtgcgc aagctctgga accccaaggc ttttcgttct 480
 cacgtgtccc ctcacgaact cttgcaagaa gtcgctttac gttcatcaa gcggttcacc 540
 ctactcagc agtctgaccc agtggaattt ctatcctggg ttttgaacaa cctacatctt 600
 gcgcttggcg gctcccgaac accatctaag acaccaacca gtgttggtca cgtcgtttt 660
 caaggtcatc tccgaattga aagccaggca atcacagcac actcagatac ccagaacgcc 720

cgcttggtct tcaccgaatc cgggtaccatt aacagtcaaa cgacccccctt cctcattctc 780
accctagacc tccccccaac acccctattc caatccgcga acaggggaatc tatcatccct 840
caagtacccc tcaccactct cctgaacaaa tacaatggca ttaccgcctc cgagaaaactc 900
gcccaccgtg tccgccaccg cctcctccac ccgtccccc cgttatctca tgttccacat 960
caagcgattc agcaagaaca gatttgtctc agagcgcaac ccaaccatcg tcactttccc 1020
gtccccgcgc tcgcttgaca tgtgcacctc cgtagaacct aaccagaga tctggcctcc 1080
ggcgagccg atcctatacg acctgttagc aaacatcatc ctcgaccca tgattaccgc 1140
tcccggggga acggaggacg ctgctgaaaa ggcgtcaat gcagcgtcgg gcggcggcgc 1200
ctcgtccagc ggtgccggtg cggggactga gaaggtctcg tggctcgtcc agctgcatga 1260
taaagccatg gctgctgaga ataccagtat ccagaatgag cagcatagcg gggaacagcg 1320
cggtcgggag tggctagaga tccaggactt gtttgttaag cgcgccgaga gtgagacgct 1380
ttcaccaag gaagggtatc ttatggtttg ggagcgaagg aggg 1424

<210> 19926
<211> 1425
<212> DNA
<213> *Aspergillus nidulans*
<400> 19926

gtccgccccg ggaaaggtta ttgtgtacgg cgagcatgcc gtcgtgcacg gcaaggccgc 60
agatggccgc agccatctct ctcgctcat atctccttgt caccactctc agcaagtgcg 120
agcgacgat cactctgaat ttccgcgata caaacttgaa tcacacttgg gatatcgatc 180
aattgccctg ggatcttttc caccaccgt caaagaagaa gtattactac gacctcgtca 240
ccactcttga tcaggagctc taogatgcga ttcagcccca cgtcgaagat atttccccag 300
atgccccga ggagatgcgc aaaatccaca agcgatccgc gagcgcgttt ctctaccttt 360
tcctttcact aggtctcca cagagcgcgg gcgccatcta caccctgcga tctacaattc 420
cgatcgggtg tggtttaggg agcagtgcga gtgtctgcgt atgcatgagc gctgcgctac 480
ttgtccagat ccgaaccctt gccggctctc accccgatca accccagat gaagcagagg 540
tccagattga gcggatcaat cgctgggcct ttgtcgggtga gatgtgcatt cacggaaacc 600
ccagcggggg agacaacacg gtgtccgcgg gcggaaaagc cgtgattttc agacggggag 660

attattccaa gccgccctcc gtcacctccc tgcccacctt cccggaactc ccgctgctcc 720
 ttgtcgacac gcgacagggc cgctccactg ccgttgaagt cgctaaagtg ggagctttgc 780
 gaaaagaatg gccagtggta accgaatcga tccttgatgc gattgacaat gtaaccgcat 840
 ccgccgagaa agttatccga gaacctaacc ctgagggcctt gtctgagaaa actcttcagc 900
 aattaggcac cctgatccgg atcaaccatg gctttcttgt ctctcttggc gtatcccatc 960
 cgcgactaga acgaatccgc gagctcgtgg attacgccga cattggctgg acgaagttga 1020
 ccggcgctgg cgggtggtggc tgtgcgatta ccttggtgcg ccctgaccta aatgatgatt 1080
 ctctccgcca acttaagagt caacttcagg acgagaactt tggcatatac gagactaccc 1140
 ttggcggtga cggagtgggc gtgctttggc ctgctgtcct ccgcaacgga accgacgaag 1200
 aaggcggcga ggagattgac cagcaaaagt ttgaaaatgc cgtcggcacc gaggggtattg 1260
 agcgtcttgt tggcgttggt gtccaggaga aacgcgaggg ctggaagttc tggaagcgag 1320
 ctgttgcttg acgttccttt tcaccctagc gttctacccc tgctacactt gcccatactt 1380
 cccattctc aacccttata ctaccatttg cgcccatatt attta 1425

<210> 19927
 <211> 1427
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19927
 tgatctggag cagagattga agaatcagag tccattcgta ccagccagt cagtgttaga 60
 tcgcaggcat gagagccctc gttccaatgg tcgttgccgc cacggccctg gcattctcag 120
 cgccagccct caagccccgt ctgctgacg ggctagcacg cacgcctcag atggggtcag 180
 ctaattcttc cttttcttgg ggggtccagat cgtttacta atgccgatat agatggaaca 240
 cctataatca atataactgc tttcccaacg agagtattgt gcacgagaac gcgcaagccc 300
 tagtcgacac cggcctcgct gacctcggct accgctatgt gactatcgat tgcggctggg 360
 gcgtcgagga cagattgccc aatggcacga tcaattggaa cccggagctc tttccgcagg 420
 gcttcccagc gatgggtcaa tatctgcatg atctgggtct actgttcgga gtctacggcg 480
 actcgggtat tctgctgtgt gggagtccgc ccaacattac agggagcttg tgtatgtctt 540
 cttttctttg ctttcttccg cttgttgccg ggcgaaaata tgctgattgg gttgggatga 600

cagactacga ggatatcgat gcaagaacct tcgccgaatg gggagctgat tcgctgaaat 660
gtactctata ccatatcctt attctctagt cttagaatgc taacaagtca gacgacaact 720
gtactctga cgccgcaact aactacccaa acgtcaatta cgcgccctca acatccccgc 780
acccccgttt tgcaaacatg tctcgctaca tccaagccca agaccgggac atcctattcc 840
aagtatgcga atgggggtatc gacttccccg ccctctggcc cccggaaatt ggccactcgt 900
ggcgtatcgg gaacgacatt atacctcact ggcgctccat cttccgcacg ctcaaccagg 960
ccgttccgca aaccgacttt gccgggccag gccagtggcc agatctagac atgttgcttg 1020
tcgggctcga tggagtgttg accgtgcctg aggagcagac gcatttctcg ctgtggagta 1080
tcctcaagag ccccttgacg attggggctg caatccccgg tatgagggcg gaatcgttgg 1140
agattctgag taatgcagat gttattgcat tcaaccagga cgctcttggg gtcagcgcg 1200
ccttgagaag gaggtggagt gacgaagggt atgaggtatg gaggggcct ttggaagggg 1260
ggaggactat tgccggcgtg atcaactgga gggacgagga tagggagatc acgcttgatt 1320
tgccggacat tgggctgcag tacgctgaga cactgcagaa tgtctgggcg gatgaaaccg 1380
tgaatgggggt caagacaagc tacagcagtg ttgtcgaggc gcacgga 1427

<210> 19928
<211> 1429
<212> DNA
<213> *Aspergillus nidulans*
<400> 19928

ttcgtatcat catgggcctt caagaaagtc ctcattgtcg gcgctacctc tggaattggc 60
cgggctattg caaccagacc gattgagaaa ggcatacccg tcgtgatatc cgcccgccga 120
gaagagaact gcaggagttt gtccgccaac atggcagcga caaggtaaaa agcaaggctc 180
ttgatgtgac aaaattggac aaagtaagga gaagcatgca atgtacaagg acaagctaac 240
agctcaagat tcccgttttc gcctctgaag tcctcatcga gaaccccgac attgaatgcg 300
acttcgtcaa ttcgggcgtc cagcgccctt ttgacttctc caagcccgac actgtcgacc 360
tcccgatgtt cgaccaggag ctgggcacaa actacgcacg cgccgtatac ctcagcaaag 420
ccttcatccc ccacttacag gcccggaaaa tcagacgtca ctcatttata caacctcaca 480
gatggccctt gttccaatga tgcggtgccc gaactacggg gcttccaaag ctgcgctgca 540

ccactttatt ctcgctctcc gcacgcagct gcgagatggt ctggtggttag agatctaccc 600
 gcctcctgtg cagacagagc tgcattgacac gaagcatcag cgatctcaag aacggacatc 660
 taattgggat gccgctggat gattttactg acgaggtgtg ggcaaggcta cagaaccgcg 720
 aggagcagat tgctgtcggg tcagcgcagg aaatctttga cgcgtttgag attaagcggc 780
 aggggctgta taaggagatg acgaagatgt tggctggggtt atttaagcag tttctgaggt 840
 agatagtagt tgcgtgcttg agaagaatgc gaagaatttg ttgttttctc ttctcctttc 900
 cttcttcttc cccctcctat tccttttctt ttttaccttg tccctttcac ggtgggtgggc 960
 ttgagacgat ttgctagctg tctactcgcc atatactctg tacattcagt caggctcgga 1020
 ctattaattc ttgctactat aaaacactag atatcactgt tcccctgcct catactacaa 1080
 gagtacgctc cagattgacg cgatgctcaa tgtcacgagt tacagtcgtt gatgctaaca 1140
 ggtagtatta gactagaaga attagctaga gaattaaaac acagtgaccg ttgagcttcc 1200
 tagtgtaacg gaccgacgtt ggtgcccaacc ttgattcgtc attccggaag tcagcaacaa 1260
 tcatacgaga actggcctgt acatggctta tcccggacca gagattcaat tggcagttgg 1320
 ttctagtagg actggctcgt cttaattcgg gcaatgctcg aatcaagact tcgggcgtag 1380
 ctcgtcacac tcaacataat ttcccgcaact ttctgagttt ttctaaaaa 1429

<210> 19929
 <211> 1434
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19929

cgcaggttga aggagcgtgg aacaaggatg gcaaggggcc ttcgatctgg gacacattcg 60
 ggcatactcc aggcaaagtc aaagacaata gcaatgcgga tgacgctgtg aggttctacg 120
 acttttaccg cgaagatggt gccctgatga agtcgtatgg tgtcaacgct tatcgattct 180
 cgctatcctg gtcgcgcata atcccactcg gaggcgccga cgacccgggc aatgagcaag 240
 ggatcaagta ctaccaggac ctggtagacg agctactcaa taatgggatt acgccattcg 300
 taacctctt tctactgggt gttccgcagg ctttggagga tcggtacggg ggcatgctga 360
 accaggagag gttcattcct gactttgtcc gctacgcgcg tgtctgtttc gaacgcctag 420
 ggccaaagggt ccgtcactgg attacattca atgaaacatg gtgtgtactc gctggcaggt 480

tatgcggcag gtgttcatgc tcctgcacgg tcatcgtttc gcgaactcaa tgaagagggg 540
gattcctcga cagaaccgtt catcgtcggc cacacaaaac tggtgacca cgcccatgtt 600
tccaagcttt accgagaggt gttccaaccg cagcagaaag gaacaattgg catcacctc 660
catggcaact ggtcggaacc ttgggatgaa gacgatccgc gggaccagaa agcagcagac 720
cgggccaggg aattcgagat cgcttggttc cggacccct tatacaagac aggcgactac 780
ccagcctcaa tgcgggctca actcggggac cgtctaccgc gtttcaactcc cgaggagtca 840
aaactggtac taggaagttc agaattttac ggtatgaact cgtacacgac ctttttcgtg 900
cagcacaagg atacgcctcc agatatcaat gaccacaaag gcaatgtcat tgttcacgat 960
acaaacagca aaggcgtctc tcgaggcgaa gagtccgata cgccttggct gcggacggca 1020
cccactggat ggcgcaagct gctcaattgg atttgaacc gatatcatgt gcctatatat 1080
gtcacggaaa atggcacgac agcaaaagga gagacagctc ccacaccaga ggtactcatc 1140
gacactttcc gtatgcgatt cttcgaaggc tacgttgggtg gattggcccg tgctgtcaaa 1200
gaggatggag tggatatccg gtcttacttt gcctggacct tcaccgacaa ctgggggtatg 1260
ttcaagttcc ctttcctct cgaatctgac tgacacaggg tagaatgggc cgctggctat 1320
actgatcgat ttggatgcac gttcatcgac tttgattctc caatgaagac tcggtatccc 1380
aagcaatcgg catattatct gaaggctctg tttgagcatt tgattgcttc atag 1434

<210> 19930
<211> 1435
<212> DNA
<213> *Aspergillus nidulans*

<400> 19930

ccgctgccgc cgaaattgta cgcagctttg tccgtgtttc ttgcacgatg ccgttgaagc 60
tagatggctt cccccaggcg aagaagactg gcttcgggct cgttgttgac gctgacaagg 120
ggttggttgt ggtgtcgcgt gccattgtac cgtataatct gtgacgacatt aacattaccg 180
tagccgattc gataattgtt gcggccaagg tcgtcttctc tcacccctta cagaattact 240
gtatcgttca gtacgatcct tccttggtgc aagcgccagt ccagagcgca aagctcagca 300
cggagtacat caagcaggga caagacacga tctttgtcgg cttcaaccag aacttccgca 360
tcgtggtcgc taagaccgca gtcaccgata ttaccacagt ttcaatacca gccaacgctt 420

cggtccttag ataccgtgca atcaacttag atgcagtgac ggtggatact gggctaagcg 480
 gacagtgttc gaatgggtgt ctagtcggcg aagatgggtg ggttcaggcc ctgtggctga 540
 actatctggg cgaacgtacg ccaaactctc acaaagatgt cgagtatcat ctcggttcg 600
 cgacgcccctc cttgctgccg gtcgttagca aaattcagca aggaatcctg ccaaaactac 660
 ggattctgaa catggagagc tacgtggtgc agatgagcca ggcgcgcatt atgggtgttt 720
 cagatgagtg gattgagaag gtcgccaag caaaccgctc tcgacaccag ctgttcattg 780
 tgcgcaaggt cgactgtccg ccgcccaggt tcaattctac ggcggacagc ttccaagagg 840
 gtgatatcat cctcactttg gacggacagt tgatcacacg cgtgtcagag ttagacgtga 900
 tgtatgagaa ggagatgctt gaggcactga ttgtgcgcaa cggcgaggaa atgaagatcc 960
 aggtgcctac cgtttcgcag gaggatctgg agaccgaccg agccgtggta ttctgtggcg 1020
 cagtgtctga gaagccgcac cacgctgtcc gtcagcagat ttcgaagctg catagcgaga 1080
 tctatgttag cgcaagagta cgtccatagt cgacatgtgt ttacatgtgc taatgaaagc 1140
 agagtcgcgg atccccagca taccaatacg gcctctctcc tacgaatttc attaccgctg 1200
 tcaatggagt tccaaccccg gatctcgacc gcttcgtaga ggaagtcaag aagatcccgg 1260
 ataacacata cttccgcctt cgcgctgtga catttgacaa cgtgccgtgg gtgggtacca 1320
 tgaagaagaa cgaccattac gtcagactcc gttccctcca taaaccatt accagactga 1380
 ctgatattgt cctagttccc aatgtccgaa tacgtcaagg acgaatccga accgc 1435

<210> 19931
 <211> 1436
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19931

gcctggtttg gtactctacg gtgacgactg tttgtgcttt gggatattac aaattgtact 60
 ttattcgtgc ttttttttgc gacttgtgct aacgcgataa tctcagatgg aagcactgtc 120
 ttagacgccc tcagagttcc tactgcgcca ccgctcaaaa cgtccccac gtcactgtta 180
 ttcgaccggt caaaggcctc gagccgcacc tgtacgactg cctagcctca agctttcggc 240
 aagaataccc ccgtggcaaa cttactgtgt gtctctgtgt gtcgtctcgg agcgatcctg 300
 cctacgcgac tttggagaaa ctggtcgccg acttccccca tgcgatgca cgtatttacg 360

tggaggaaga ggatccgctc ctccagcctg accataaacc catgtataac ctcggtccga 420
 atcccaagat ccgaaacatg agtcgcgcgt atagagagggc gaaggggtgat atcgtttgga 480
 ttgcagactg caatgtctgg gttgggaagg gagtctgcgg gcgcatgggtg gacaagtgtg 540
 gcgggctcgg ttcaggctcc agcacagaat ataaattcgt gcatcatctg ccagttgctg 600
 tggatgttac cgggggttatt ggcgtagacg agcggcgtgc gctggaaaca agcggcgtg 660
 ccagagtga gacggaaag agcgcctgcc gccctggtgt tttggccatg ggaggtggcc 720
 ggctagaaga attgtttctc tcgtcatcac atgccaaaat gtatactgct atcaacacgg 780
 ttcttatcgc cccgtgcacg gtgggcaaat caaatatgtt ccgacgctct catcttgact 840
 accttaccac gactgccagc tgccaattca acccaggcat cgattatttc tcggacaata 900
 tctgogaaga ccacctgatt ggcgatctac tgtggaagaa cagagtccgt gaggagaaag 960
 aggacggtaa gcacctgggc aagcatgcgc tggcttttgg agatctcgct ttccagccca 1020
 tcgcaaatat gagcgtacaa tcttacatag cagccgggt acggtggctg cgtgtcagga 1080
 aattcatcgt catgctggca acctagtgg agccggcac agagtcaata ctctgttcgc 1140
 tatacggagc atggggcgtc accactgttt tggcggagta cttccagaac aagattctct 1200
 ccacatggac gacatttttc accttcttcg gcttttccat cctaacatgg tgcctcattg 1260
 actggaccgt ctatatcatg ctgcactccg gcaaaaccgt cgaacgcgac gagaataccc 1320
 catcattcgc gcgtccgcct caggggtacaa ctaggcggcg cttttcacac tggctggctg 1380
 cctggcttgg aagagagata cttgcctttc cgatttggtt ctgggctatc tggggc 1436

<210> 19932
 <211> 1436
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19932

acgccgaaga agccgtgcag ccaccgaccc ctggtgcagg cggggacgac gctgatgccg 60
 atgataacga cgccaaaccc gccgtagaca acgaaattga caacgacaat acaaactctga 120
 atgaaaacga ggggcagaat gaactcaatg aggataacct cgggtgattca gatgacgaat 180
 cgattctctc tgaagtagac gaggcgcagt ttgaagattt tgacccggag aatgtggata 240
 ttgaagaccg tccgcagctg gatatcgatg aggagaattt gaagctcatt gggcggcata 300

aaaggaagag gacggaagag gaggggacct ccaagcggaa gaaggagggc aggcgaagga 360
 aaagccggcg ctatgcggag gaggaagagg gtggaagtga tagagaagct ggcgggaagc 420
 gaaggaagtc gaagaaggcg gagcttgagg aagatgaaga aacgcttgac cctgctacgc 480
 gtacgttact atagcgaggt ttatccttgg acatggattt gctaacgggtg tacaggctga 540
 cgaagggctc tcgatcgtgc tatggacgag gcgctgaaga aacctaccaa gagaagagcc 600
 aggaaacagg atggaattgt atgtcttcag ttgttattga atgctgtgct acagtggcta 660
 atttaagtag gatttggaac aaatggcaga tgctgagatc gaggatatgc gaaaacgtat 720
 gactcacgcg ggcgagatgg atgctatcaa ccggcgcgaa ggcaaaccag ccatgcacaa 780
 gctcaagatg ctttctgaag tcgtctcgct tctcaaccgc aatcagtatg tcaacagtct 840
 ggctgacccg gaaatcaacc tgctggaagc agtcaagttt ttccttgagc cgctagacga 900
 tgggtctctt ccggcctaca acattcagcg tattttgatg actgcattgg gcaagctgcc 960
 catcaacaaa gagacattaa ttgccagtgg catcggaag gtcgtggttt tctacacgcg 1020
 gagcaagcgt ccagagcccg gtatcaagcg catggccgag cgactactag ctgagtggac 1080
 acgtcctatt cttcagcgaa gtgacgatta ctccaagcga gtataccaag aagccgaatt 1140
 cgatcctacg tatgtcctat cccogtttct cttgttcctt ccgactcttt gtgcatcggt 1200
 atctgacogt atttagaaaa atcacctcac gcgtcaagtc agttcaagat agcgtcgcg 1260
 aggcgcgcgc acgcgagctc cttoctccgc gccttgctaa ccgtgcgcgc gccgaaatct 1320
 cgcacactag ctacactgtc gttccaaaac ccacggtggg gcaggagagc aagtttgcg 1380
 gaccgttggg tgctagtggg gaagatcgat ttcggaagat gcgggcgcga cagatt 1436

<210> 19933
 <211> 1437
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19933

accccctccc tcgcagcagg ctgtttcgtc ccctaacctt acggtactgc ctcccctcgt 60
 gactgacaca cctgtcaaaa tgtcgagtcg gcaacgatcg tcgtcgcacg ggaaggatcg 120
 cctctcaaca ttttccaatc tttctgtagc ctctcaaagc cggtcgcggc ctggatcaca 180
 tgtcttcctt atatttcatt ccagcttgcc ctatgctctg gtgcgggatt ttgcttatcc 240

cactatccat cctttccatt acggtccgct tccaccttcc gcgctctgggc tctcaagccc 300
tgtaagcgaa aatcgacggt tatccgaccc tccagcatcc tgggacagct cgcgggggtca 360
gtgggtcaaca cagccttggg gcaactgatac tggatcatgga caccagcaac ttccagcaat 420
gtcatttgggt gatggggccgc cgtatagtga agatgaagat ctgcacagcc ctgtgttttc 480
tgcaccacgt catcgagaa acaaactctac agggagcgac ctgaacgggg gaggaggcaa 540
gatttctggc agtaaccatt ataactcgtca tatgagtatt gccggggaat acgaccgtgg 600
aaggctagtc agtatgaatg cggacggcag tgagacctat tatgtgaacg atgatgacga 660
cgctgatgat gggcctgggg gtgaccttgt cacatacccg ccggacgaga gtcgatttac 720
ttaccttggc tcttatactg ataatacagg ttacgggcga caggaggggt ttgattcgga 780
ggaagactat gctgggacgc accgttattc gcgcgaattt cagttttcag ttggatgtcc 840
ggacgaggag atgcacggaa aagcggtagc gcttttcgac ttcacaaggg agcacgagaa 900
tgagcttcca ctgactgagg ggcaggatgat atttgtctcg tatcgtcatg gccaagggtg 960
gcttgctcgc gaagatccgc gaactggaga gagtggtttg gttcccgagg agtttgttcg 1020
tttagtccgc gacattgaag ggggcctcac ttccttgaac ggggaagctg aagctgatga 1080
tgatgatgaa taccctagcc cagactcaac agactcccag caagagatca cgccgacgtt 1140
tcaatcggca gttaatggag atcttgggaa ccccaaaagt ggcaacgaaa agggagagaa 1200
tgtagctcca tcagagctgg ggcagttatc tgggggtaaa caatgatcta cgttgaagat 1260
tagaagagac ataagccgag aagcgcaacg gtccctgacc gactttcttg gcagacctga 1320
tttcttgaat gttccgagag ttccccggct ggaactcagt ctgtcgatat atctgatata 1380
tgatagagca gtcttgactg aagctgttat gacttaggag gtgggatcgt gctttga 1437

<210> 19934
<211> 1437
<212> DNA
<213> *Aspergillus nidulans*

<400> 19934

ccgccctggt ggccatgtac tggctggcct catatgccta cctctattgg tttcatccgc 60
tgtccaagta cccggggccg ccgctcgcag cggctcaga gctgtggtat gcgtcagcct 120
ggacgggagg actctggaac cgcaagatcg aggaggcgca tcgccggtac ggggacattg 180

tgcgcacgc gccgaacgag ctctcgtttg cgaccgcaca ggcgtttcgc gatatactacg 240
 gggcgccgtc caagactcgc aagctgttcc ccaagtccga ccggttctat gacaacgggc 300
 acccgaacat cgccttcgtg ctggacccgg aggagcacgc ccgccagcac aagatcttcg 360
 cgccccagtt ccgcccctcg gctgtgcgca cccaggagcc gatcgtacac gcgcacgtcg 420
 acttctgggt ggcccagata gcggcccgcg gccgcagcgg ggccgtccct gtcgatgtct 480
 ctaagtgggt cgagtgggtg acgtttgata tcacgaggaga actcaccttt ggccagtcgt 540
 tcaatgcgac ccgcgacaac aagagccatc cttgggtgtc catcctcctg gacgcgacgt 600
 acagcggctc catcttcaac ctgcgcaagc ggctggcctt tgcgggcccg ctgctgcgct 660
 ggatgccgta tatctcctcg accgcgcggg cgcccggtga gtccgtctcc cagcatggcg 720
 ccatgacgct cgccttcacg cgcaagcgca ttgaatcagg gcctgcacgt aacgatgtcg 780
 acgacttccct tgcgcacgcg atccgtgccg gtggcatgac cgacacagag ctcgctgacc 840
 aggcgatggt cctgctcacg gctggcgcgg agaccagcgc caccggcattg acagccacgc 900
 tgtggtacct ctgcagccg gcgcacgcac actgtctcga gcgcgtccgc accagaggtg 960
 cgaggcgctt ttgccagccc ggccgacgtt accggtgacg ccaccgcacg gcttccctac 1020
 cttaacgccg tgcttgaaga gacaatgcgg ctgttccctc cgtcgcccgt gggcccgcgc 1080
 cgtatcagcc cgcccgccg cgagaccgtc gacggcacct tcgtcccagg cggagtgtat 1140
 gtctcagccg acgtctggac catccaccac gacgcacgca ccgttggcgc ccgtccggac 1200
 gcattcgagc cagagcggtg gtgcgacggc cagaagccat acacggtgcc ctttagcatc 1260
 gggccgcgca tgtgcattgg cgtgactctg gcgtgggtcg agatgcgcat tgcattggcc 1320
 aaggcagtcg tcgcgtttga ctgggagttg gcggaggacg ctgttggtgg gagcggggac 1380
 tgggtagagg aggctaggct caagcagctg tggcagaaac caccgctgat gatgcgg 1437

<210> 19935
 <211> 1441
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19935

ggagaccgca ccatcgctga gaccgaaata tgggagacgg tcgaaggga tatctacgta 60
 agtatgctgc tggcttcgct gttggaccat cctgattgca gagcagttcc ccgtttcgtc 120

gatcaaggac aaaagccttc tccagccgtc cgatctgtct acgttctgtc cttggaaagg 180
gcatgcttcg tactggagta tcgtggtcga tggctctgtg ctatccccag accagagaaa 240
cgccccatgc tgacttttga ctcccaggca aaacgattga gaacgcagtg tggactaca 300
gcgagccgta tgatgcggcc ggtaatatta gagatcatgt agcgttctgt gagtcttttt 360
ctttctttct ttttttctct tttttatttt tttttattat ttaaggcact tctaacgtca 420
ccagataaga acaaggtcga cataatcgaa gaacagtaga tgcaaagatt ttcagcaaac 480
aacagtatca tcgattatga tcaatctaca gttttgacac tgcgctgctt gtaaaccctc 540
catccaccac taggttctgc cccgtaatat acttggccgc gtcgctggcc agaaagaccg 600
tcgcattcgt cacgtcaaat gcatcccca tccggccgat tggaatcggc cgttccatga 660
tcttccaata ggcattcttc tggctattat tcctctggcc ctcgacaagc ggcgataca 720
caaggcctgg agagaccgaa ttcattccga cccccctggg agcatacatg acagcgggtca 780
ctctggtaaa gtgaatcact gctgccttgg ccgtagagca ggccacctgc ggcttgccga 840
tgtagcgtag acccgcaata gaggcattgt tgactacagt gccgagcccc tgtttctcca 900
tgataggcag gatcacatgg caggcaaggt aaacggtctt caggttgagc tgctactgct 960
gatctcacag ctcttccggc atggctcgcc gattgccagt cgcgctcgca tcaacattgt 1020
ttaccaggac atcgattcgg ccgtgtcttg ctataacggc ggctgcgact cgccgcacct 1080
cgctcaacga ggtggcgctc gcctgcaaga tgctgcaggt tccccctccg gtcagatcct 1140
gaccgccgtg tactctgtctg ctctcaggaa aaggctcacag ccaaagacct ttgcgccgct 1200
gtgagcgaga agacgctcga tcgctgcgcc gttgccccat atgtctgagc cggggatgcg 1260
cgactggccg atgccccatga tgagggcaat tttatctcga agttcggcat attttgggaa 1320
gacgttggtc atggttgggc cgggtgtcag tgagactgtg tgcgacgtaa gtgtgcaagg 1380
ttcgccgggc tggacgggtt cggcaccatg cagtctttac aacacagacg caaagccggg 1440
g 1441

<210> 19936
<211> 1441
<212> DNA
<213> Aspergillus nidulans
<400> 19936

atgccatccg aaaaacaaca tcataccctg ctttatcata aacaatacca cctaacaacg 60
 gaccaagcag aaaccccagc gcaacggcag acccctgata cccaatggtc tgccttaa at 120
 tatcgagcgg aacggagtcg gtgaggagtg cgaggcccg cagagcgacc atagccgtcg 180
 cgccaccttg caaaaggcgt gcgatcacia acatgaccgt tgtcttgga atagccagga 240
 ggcccattga ggcaccgagg aagatcaggc ctaggaggta ggggagacgt cgggtaggcg 300
 cgatgtcgac aaggtagcca aagagcgggc agcagaggaa cgctgtcaag gcttcgctca 360
 ttaggagcag gcttaccag tagccacctg tgctttgttt tagctctttg ttgttgatgg 420
 aggatggatc ataaaattac ggtcttgata tggaacatgc gctcgttcag ccagggctgt 480
 tgggaggatc ggcaccacct agacagatgt caaccggatt cgtcagagtt tgaatatggt 540
 tcttaccatt gcatagagaa agtagcccta taacaaacgt cagtaaggcg tcggatactt 600
 tgcgattgac ggcgattgac ttactgtgaa cgaggagacc caaactgtcg caatgataaa 660
 gaccgttgat gaacggaacc ggaggagcca agggggccgt gtcaactgca ttatgttctc 720
 ttaactttta attgatacgt tgcgcccta agatatctcg atctcttcaa tggatgtact 780
 ctcacagatc gcgagcaagg gagcaaggga tcgccgcta gcttgactac tgacatcagt 840
 tccccaccac gcctataaat caccggctgc agctctcaa ctcaaaacac aagaagcaat 900
 tccactgcct gcttatacac aatgcgctct ccacacctcc agtatcttca aaaatgcctt 960
 tccctcgccg agcaagctcc ttctcttccc acaaatttcc gcgtcggcgc cctcctcgtc 1020
 tcccgcaaag acggcgatct catgaccgaa cagcatgagc ttctctcgac gggctacaca 1080
 atggaattac ccgggaacac tcacgccgag caatgccttc tctcaaatta cgcctctaga 1140
 aactccgtt ccggaggacc gtgtgtcaga agtcctccct gacacgccag gccgcaaact 1200
 agtcctctac gtgacgatgg agccgtgtgg aaagcgcta tcaggtaacc taccctgcgt 1260
 acaacgaatt atccagacia ggaagaatgg acggagaggt atcgagaagg tctactttgg 1320
 cgtaaaggag ccaaccacgt ttgtagggga gtcggagggg tgcaagatgc tgacagaggc 1380
 cgggatccag tggagggttg tgcaagggct tgagaggag atcctgacag ttgcgacggc 1440
 g 1441

<210> 19937
 <211> 1441

<212> DNA
<213> Aspergillus nidulans
<400> 19937

atgcggcgctc tttgcctggt accccattta ctgtccgtcc atcatagggt ctcaatggaa 60
aaacaggctg ctgactcttc tgtgcaacat agggcttgcc tacggccaaa tgaccagcaa 120
cctaatatca caagccgcca caatggaact caacgggtgtg cccaacgata taatcaataa 180
cctcgatcct ctgcactca taattttcat ccagtcattg gaccaatttg tctatccgtt 240
cattcgcaag ctcggtttta acttcacacc cttgaagcgc atctacgcag ggtacatggt 300
cgctctcttt tccatgatca cagccacagt aactcagcat tatatttatg tccgcagccc 360
gtgccataac agggcttcct cttgcgacga gccagcccc ataagcgtct ggtggcagac 420
gatcccgtag gtgctcatcg cgctatcgga aatattcacc tcgatatccg gctacgagta 480
cgcgtagaca aaggcgccgc gcaacatgaa gagtattgta caaagcttgt acctcttcac 540
gaacgcggta agtgccgcga tccagcaggg actgacgagt ttgagtgcgg atccgttggt 600
gaagtggaac tacggcttca ttgcggtatt agcgttcttt gggggccatc ttttctggta 660
tacacattgg cggctggatc ggaagaaga ttatttaaact cacttggagc cgtcaagttt 720
tctgggacgg ggttctggga ggaagaagcg ccaggatgcg gacttggaga agtagggctt 780
gcttttcctg tccgcttcct cctagtactc ctgctttgta ttgtcgtcat cttctggact 840
tgattgatca tctggccttg attaatTTTT gccttgatat atgcactaat gtatctgaag 900
tgacagaatc gaattgaaaa atctatgtat ttagtgtctc gtagcaccat cgtcgggtcc 960
caggatatgaa gcgcgcccat taaatgaatt gaattaaaga attgtcgaat tttgcatcat 1020
tgcgcatctg atcccagacg caatcgtcgt atccgtactc taatacgttt cttttcagaa 1080
aatcgtctat agtcgatacg ccttttcggt gtctccgctc gatattggcc aaagcgcgac 1140
ttgcagtcac tcatcaatac cgctccttgt tattactggc tatttttatt tttattagaa 1200
ggcaagtccc tagttaaatg cttgtatgtc gggagagaat ttgaaaagtc attcttagtt 1260
gtctcgctt ggctgcgaa accactgatc acgtggcgctc aagcacactt agggagccat 1320
atcccaaaag aaaaaaagat ctgaaaacaa gcaaaaagca tatgcgccga tgatgccccat 1380
gataatgtac agagtgatat cttccatcca gtcccaacat aacaataaac ccacacatcc 1440
g 1441

<210> 19938
 <211> 1444
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19938

```

tcatttttga agctatccag atcgcaaatt gacagatcaa atcagttttt atgggtgtttt 60
gaagcgcttt ttctgctatt ttgcctccc tgcctccaat tctgcctccg aactgtacac 120
gccttccttc ctgcgatcct tacaatgcca gcgcctcatc caaatgagct tcgagttcaa 180
gtcctctctt actgggcctt agggattcag ccacccgata tagccaagat gcttcagatc 240
aacgtccgta cgatatggga tatgatccag aagggccaaag atcgtggcta caatcctgct 300
cagtccatga gggttaagct tgaatatgtg gaagatggca agcgctctgg ccgtccgaag 360
gagatttctg aagctacaga tatggcagtt cttgcatctg tcaagcagga taggaatgga 420
cgtgagaaat cttctgaaat cttgccttt gaagcaggta tatctcattc ttctgtttta 480
caaatcctcc acaagcatgg ctttacaatt gttaaaccct cttggaaacc tgggtctaact 540
gaagctgcaa aggctactcg tcttaggttc tgcttggatc accaactctg gactctggag 600
gactggaagg ctgttatatt taccgatgag acttctgtta tccttggcca ccgtcgaggc 660
tccgtacgag ttggaggac tgctagagat gtcctatgac caacatgtat ctgaaggcgc 720
tggaagggat catctgactt cttggtttgg ggatgcttta catatgataa aaagggacct 780
ctgcatatct ttgaaccaga gactgcttac caacacaaga agtcagaggt agagatagca 840
gctctaaatg cagagctgga gcctattctc agggaggaat gggagataga gacgaggcta 900
aagcgtctgc atcttcgtgg ggtccctggg cgtgttccta catggagatt tactgagaaa 960
actgggaagc ttgtacgaaa gagcaaagga ggagttgact ggtggagata ccagcaggta 1020
ttctctaata gctttattct cctatattgg gctaaccagc ttttctcaat aggaaatcct 1080
tcttccacat cttattcctt ttgccaaggc ctgcaaaatc gaacgtccag atacaaaggt 1140
attagaggat ggggcccttg ctcataaaca ccatgctcag cgccgcattt acagcatcca 1200
tgaaattgag aagatctttg actggcctgg caattcgctt gatcttaatg caattgagcc 1260
atgctggatg tggatgaaga agcgtacaac ttcacgtgga gcacctaggg acaaaaagac 1320
tggaagaca gcttggataa aggcattgga tgagctccct caggagaaga tacagggctg 1380

```

gattgagagg cttataaggc atatccagga ggttatacaa catgatgggg gtaatgagta 1440
caag 1444

<210> 19939
<211> 1445
<212> DNA
<213> Aspergillus nidulans

<400> 19939

atgtctcagg ccttcagtga tatgttgcta atttttgaaa taggccggac cagtaaagg 60
tccagaagta cctcgtctgg gcgctgctcc gaagacgaag ataactgatg ttgagaagga 120
tgaggaggaa tcatcaagcg cgggaaatga ttctgcctcc gaagatcagt tcatggagga 180
tgccgccggag tcgcctgatg ctgctgaaga ggccgtccaa gctgtcccgg agccgccaa 240
tcggaaacga aagcgagctg ctggggaaga tcttgaagag tcgtacatgc gtcgactagc 300
aaaggaggag cagaaggaac agaagaagcg tcgagcagaa cggtaagct cactggaaga 360
ggagagcgag gacggtgaaa aagagagccc acaatccgaa gacggcgagt cggaggatga 420
aggtgcggat attcccaaac acgaagctct agctgggtgct gccaacgatg atgatgagct 480
ctccaagtcg aatcgaaccg tatttttggg caacgtgtct acaaaggcaa tcacgtcgaa 540
gtcggctaag aaagagtga tgaagcatct ttcgtcattc ctctcgacac ttcctgagtc 600
tacgggtccc cacaagatag attcgatacg tttccggtct actgcatttg ccagcggcgg 660
caagataccc aagcgctgct cattcgccaa gcaggaaatt catgatgata ctacgccag 720
caccaatgca tacgctgtct atagcaccgc tcaagctgcg aagaaagctc ccgcggcact 780
taatggcacc gttgtcttag atcgacacct gcgctcgat aacgtggcgc atcccgccaa 840
ggtcgaccat aagcgctgct tattcgtcgg taatctcgac ttcacgaca acgaaaccgg 900
caccgaagaa ggcgagaaaa agaagaaaaa ccgacctccg gctgacgtgg aggagggtct 960
ctggcgctact ttcaatgctc acaccaaagc gtcacaaagt ggtcctgccg gccgaggcaa 1020
tgttgagtct gtgcgggtag tccgtgaccg atccactcgt gttggaaaag gattcgcata 1080
tgttcaattt tatgaccaga actgtgtcga ggaggtctct ctgcttaacg acaagaggtt 1140
tccccattg ttaccacgaa agcttcgcgt tgtcagagcg aagaaggtag ccaagaagtc 1200
tgttgagacc acaggtgcac ctaaggggtc ggaccggaca ctacaaggcc gtgctgggaa 1260

gttacttgga aggtcaagtg aggtcgggtt gaaggcggcg gccagaagt cgatttccca 1320
gagctcccta gtatttgagg gcaaccgcgc aacagcagat gggtcacccc gcattcgagt 1380
gcggacgaag agtcgcggtt ccaaggccaa aaaggatagt cgaagcaaga agcgtgctgc 1440
ggcct 1445

<210> 19940
<211> 1448
<212> DNA
<213> Aspergillus nidulans

<400> 19940

gcgctggag cagttgcttg ccaagcgcac agaactagct cagctcgag gtttcgagac 60
ttttgcacat atgaccctca atgacaagat ggccagaagc cctgcagcag tatccgaatt 120
cctgaccact ctcatcacia gtaaccgccc ggatgtgcaa gaagaactag cccagctaca 180
ggcgcaaaag gggagtgagc tacagccttg ggaccacgca tattacgttc accagcgggt 240
acgacagtat gaaacgtctc agaagactcg caggtcacgc gagttggctg ctatccctga 300
gttcttctct ctcggaaccg taatgcaggg attgtctcgt ctatttgatc gcctttatgg 360
cgttcgttta gtaccccgctg aagctgctcc tggcgagacg tggacacctg atgttcggcg 420
cttgatgta gtagatgagg cggaccgccc agtagccgtc atttactgtg atttgttctc 480
tcggcctaac aaacacccta atccagccca ctttactctg cgatgcgcga gagagattac 540
tcaagaggaa attgcggagt cggcagcgat ggacgcttcc gcggttgctg ctcacccgaa 600
cgatggaatg gcgacggctg tcgattcaga atccaagacg ctccgtcagc taccgaccat 660
cgctcttgctg tgcgacttcc ctgagccttc gtcttgaca ccatcgcttt taagcgaaca 720
cagcgtgcgc acgctcttcc acgagatggg ccacgcactg cactccattc tgggccagac 780
gcagttacaa tccatctcgg gtacgcgggtg cgtaaccgac tttgccgaac tgccatcggt 840
cctgatggaa cgtttcgcga cggaccgctc cgtgctagcc ctctacgccc gccactggca 900
aaccgaccaa ccgctctctg aaaccatgat ccaccacatg gccaggatc gggccgcgca 960
cgcgccatct acggcgccgt cgagaacgag gccc aaatcc tcatggcgct cgtcgaccaa 1020
gcctaccaca ccaccaagac cgggaactcc ttctcgaca ccacaaaact ttaccagcag 1080
gtctactcaa ggcacgccag cctcccagac cccgtagacg aacacggccg cccttcaact 1140

tcctggcagg gattcttcgg tcacctgtac ggatacggcg ccacatacta cagctacatc 1200
 ttcgaccgcg caatcgcgaa caagctctgg gaagacgtgt ttggcgctgg agctgaggct 1260
 gttgaccgct ctgccggaga gcggtacaag aacgaggtcc tgcggtgggg cgggggacgc 1320
 aacggctggg aatgcgttgc tgggtgttctg gggccgcaga atctgtccaa tgccaacggg 1380
 cgccttgtcg aaggagggga tgaggccatg cgtgaagttg gacgggtgggg actcggccgt 1440
 gatggcat 1448

<210> 19941
 <211> 1449
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19941

gctattggcc gtcgcgctgt tcttcgtttc gtcaattgta tgcgccacag cgggtggatat 60
 ggcaatgttg attgtaggcc gcagttttca ggggtgttgc ggaggtgggc ttatccagct 120
 cattctcata actatatcgg atctgttcag tgtcaggatga gattaacaca cttctagctc 180
 ggtgcgtttt gcttacgcaa cgcagactcc gtagcctgtt catgggtcctt atggaatgta 240
 cctggacggg ggctgggtgc ctcgggtcctg tgcttgggtg tgtcttcacc gagtccatct 300
 cgtggcgctg gatcttttgg attaattctc cagtatgcgg tacggctttc gtgctgctga 360
 tcctgttcct ggatgtccat aatcccagga cacctatgct cgaaggaatc aaggcagtag 420
 actggtttgg cagcttgtcc attctagcca tctccgtcat gattctcctc ggattagact 480
 ttggcggcga taccttcccc tgggatagcc ctaaagtgat ttgcttgatc gtgttcggcg 540
 ccctgatgtc cgttgcatc atctacagcg agaagcgtct ggcgaaatac ccgctcatgc 600
 ccctccacat cttcacaagc cgttcaaata ttgcttgctt cttggtggac ttcacacacg 660
 gctttgtcag tcaatgctaa aacaattcta ctccgtttta aactgccagg ctaacattaa 720
 caggcatttc tcggtgcgga gtactacctc ccactctatt tccagtctgc caaagcggcc 780
 tcccccttcc actcaggctc gctcattctc cccttcatcc taaccgaatc cttcaccagc 840
 ctgcagttg gcatcgtgat ccaccgcacc ggccgctacc aagaggtcat ttggctgggg 900
 atggccctcg tgctgctagg aacaggcctc ttcattgact acagcacttc cacatcgctt 960
 gggaagatca tcggctacca aatcatttcc ggcttcggat gtggcctgct cttcttcccg 1020

ccactcctcg cactccaaag taacatccca acgaaagaca ccgcaacagc aaccgcgaca 1080
 ttcgggttcg tgcggaatgt cgccatggcg ctttccgctg tgctggggcg cgttgtcttc 1140
 caaaatagca tgggtctgaa gagggatctc ctagaggacg ctgggctgtc cagtgccttg 1200
 caagaggact ttacaggtgc ggaggcggcg gcgaatgcc tggctgtaaa ggatattacg 1260
 gactctttgc agagagaagc tgtcgagacg gcatttgctt ggagtatccg aaatatctgg 1320
 attttgtata ctgctcttgc cgcagtgggc cttgttgca gctttttcat tacgaagagg 1380
 caacttagca aggagcatgt ggagactaag actggactaa aggagaagga gaagaatact 1440
 gcggaagtt 1449

<210> 19942
 <211> 1450
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19942

tggaggatcg cccagagtgg tcagcgggta tgaagagatg gacgagtacg gaaaagctcg 60
 gactggcttg gaaacgatat gatcgactag aatggatata tggagttaat gagaaagaca 120
 tgtatggctc agtcggaatg caggggaacac acgaacttga gctacgaccg aacagcact 180
 atgacacttc cgttggatat ggagcaaaga agaaggaaga gcccgtcca gtagaaggtt 240
 tcttgattcg acttacctct cagacaggag ctaccagcg gatgaacagg atgttttcca 300
 aacgtcttta ctttttcagt caagatcatt acctgtttt ctgcaagcca tcacaggccc 360
 ttctctctac accaccatgg ctaagcgctc tggactccgg tataccatct actcaggaaa 420
 tattggacaa ggccctctc tcgtacgaga tagatccttt tcctttgcag gacgggcaaa 480
 tatcttggtt gtccattgga aataccgaac atcagaagcg tcgcgatgag gaagcatatg 540
 ctcagtttca aaggacatc cacaatctca gcaatgccga cggattcatc aacctgtgtc 600
 tggtgcaaga ggtacgtctc attccggatg atttctcatc tgcttcaaata acccgggaga 660
 catgcgatcg tgggattacg cagccaaatg acccatcgca gttgcaagcc ggtaatgttg 720
 gcgagcagtc tactgacaac gccggatttg aaatgctcct tgacaatggc ctagttgtgc 780
 gcttcaggc atataatagc gcaacaaggg atgagtggat gcagagatta gacgccttgg 840
 ttcaatattg gaaggcaaga attgtcgcag atgctgccga gctcaagaac actcggcagc 900

gaaacctcga acttctgggt atggacgaag agctagagtc ggtgataggg cagtacgcga 960
 agaagtggga ggtaggaag gcagaagcct ctctctcct gcataatatg tgctccttaa 1020
 ttggctgccg gccataaag gtacgtcctt acaacaaacg caatgaaccc ttaccataga 1080
 ctagccctaa cctttccatg gagatgtctg gcctgctgta taagaaaccc cgacgccatg 1140
 caacctttaa gcggttccat gtcacctca cgccggaaa gctccttggtg taccacagct 1200
 ccctccgcaa gtacaacggc gccgaagtgc cccatgtcca ctctacgctt gagtccacca 1260
 tcgacctcga aaactgctac atctactctg gcctcatcgc agagaatgac ctgctttatt 1320
 ctaaccagac gttcgacagt aatcatccgg gtcattgggc cttgccacga gtgtatcttt 1380
 cctcgatat gtacacaagt agcgatgagg acacggcaat cacatttggtg atttggcagc 1440
 ccctccggaa 1450

<210> 19943
 <211> 1450
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19943

tggaggatcg cccagagtgg tcagcgggta tgaagagatg gacgagtacg gaaaagctcg 60
 gactggcttg gaaacgatat gatcgactag aatggatata tggagttaat gagaaagaca 120
 tgtatggctc agtcggaatg cagggaacac acgaacttga gctacgaccg aaacagcact 180
 atgacacttc cgttggatat ggagcaaaga agaaggaaga gcccgtcca gtagaagggt 240
 tcttgattcg acttacctct cagacaggag ctaccagcg gatgaacagg atgttttcca 300
 aacgtcttta ctttttcagt caagatcatt acctgttttt ctgcaagcca tcacaggccc 360
 ttctctctac accaccatgg ctaagcgctc tggactccgg tataccatct actcaggaaa 420
 tattggacaa ggccctctc tcgtacgaga tagatccttt tcctttgcag gacgggcaaa 480
 tatcctgggt gtccattgga aataccgaac atcagaagcg tcgcgatgag gaagcatatg 540
 ctcatgttca aaggacatc cacaatctca gcaatgccga cggattcatc aacctgtgtc 600
 tgggtgcaaga ggtacgtct attccggatg atttctcatc tgcttcaaata acccgggaga 660
 catgcgatcg tgggattacg cagccaaatg acccatcgca gttgcaagcc ggtaatgttg 720
 gcgagcagtc tactgacaac gccggatttg aaatgctcct tgacaatggc ctagttgtgc 780

gcttccaggc atataatagc gcaacaaggg atgagtggat gcagagatta gacgccttgg 840
 ttcaatattg gaaggcaaga attgtcgagc atgctgccga gctcaagaac actcggcagc 900
 gaaacctcga acttctgggt atggacgaag agctagagtc ggtgataggg cagtacgcga 960
 agaagtggga ggtcaggaag gcagaagcct ctctctctct gcataatatg tgctccttaa 1020
 ttggctgccg gccataaag gtacgtcctt acaacaaacg caatgaaccc ttaccataga 1080
 ctagccctaa cctttccatg gagatgtctg gcctgctgta taagaaaccc cgacgccatg 1140
 caacctttaa gcggttccat gtcctcctca cgcccggaag gctccttgtg taccacagct 1200
 ccctccgcaa gtacaacggc gccgaagtgc cccatgtcca ctctacgctt gagtccacca 1260
 tcgacctcga aaactgctac atctactctg gcctcatcgc agagaatgac ctgctttatt 1320
 ctaaccagac gttcgacagt aatcatccgg gtcattggggc cttgccacga gtgtatcttt 1380
 cctcgatat gtacacaagt agcgatgagg acacggcaat cacatttgtg atttggcagc 1440
 ccctccggaa 1450

<210> 19944
 <211> 1451
 <212> DNA
 <213> Aspergillus nidulans

<400> 19944

caatccctaa tcccgttaa caatagggtg tattcatacc gcacagagtc acatcggctc 60
 ttcacgcctg caaggattaa gcccgcccgt gcaacgcca ggcgtccctt tcaaagcttg 120
 ggcccagtc ctgctttctc attggctatc accccgcatg acggtctcgc ccagcaaata 180
 aaacaagtca gatcgccacg tgccaagagt agccctcat gaccggcgat cgcccagcac 240
 gttgctggtc atccgctcgt tataggccct tgcgtcgtgg acctcggggc agctgataag 300
 ctccatggca gccggactgg acgttgccag gcacgagggc agtttgtcta ttgtctttcg 360
 tgcagcgatg ctctttcaaa tagacgccgt ctggtagggtg gatctgtctg gctaagcttg 420
 tcttctagag acggaaccca aggtgctgga gacgggaaga acctgagcct ggtataagtt 480
 gctctgatag tcggttttct ggcccttttc gggttttatc gtctgcgagt ctgattgtt 540
 caaattcagt ccttgacag cacgcaccgc acgcaatatg tcgttgtcct cgctgagttc 600
 cctcaagggc ctctctctcc cgaccacaga atcgagtagc gatgtggaaa aagactctca 660

tgacctttca cgttcagaag atgtagggag cacaaatggc gaaatcaagc cccgcgaagc 720
 caaagagagc aagctcattg acggacgagt aatatctgac gccatcatcg gtcttttcgga 780
 tgggatgacg gtcccccttcg cccttacagc aggtctctcg gcgctgggag acaccaaagt 840
 cgtcgtctttt ggcggatttg ccgaactcat tgctggcgcc atatctatgg gactaggtgg 900
 ctatctcggg gcgaagagtg aagagtactg cccctcgtct tcgtatcttt agactccttc 960
 actaaccttt agttagggaa tcctaccatg cgactctcaa agaaaccacc aagcaaacac 1020
 tcacgtcccc cgccaccgtc tcggacacga ttcacgaaat cttcactccc tacgacctcc 1080
 ccgaccacct gcttgetcaa ttaacaactc acctgacatc ttccccgcac cttccctcct 1140
 tcctcatgac attccaccac accctccccg agccctctgg ctcccagacc ctaacctgcg 1200
 ccctcaccat tgccctttct tacttcctcg gcggtttcgt cccgctctc cctacttttt 1260
 tcgtcggccc agaccaggcg ttcttggcgt tgaagtggag cattgcaacg atggcgattg 1320
 cattgtttgt ttttgggtat ggcaagactt gctttgtgtc tggatgggag gggtcgaaga 1380
 atataaagaa gggagcatgg gggggtctgc aaatggttat tgtgggcggg gttgcagcgg 1440
 gatgtgcat g 1451

<210> 19945
 <211> 1455
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19945

cgtctcgcca cctcgcgatt ctttcggaag cggaccgcaa cgaagcccta acagcgttac 60
 acgcagcgct ttcaaggaac aaggatgcca tacttgaagc aaatgctagg gatatccagg 120
 cggcaacaca ggctgtcaac ggcggcagtc tcaatcatag tgtcttgaag aggctcgatt 180
 tgtccagacc aggaaaatac gatgatatgt tgcagggcat tttaagtgtg aggagtttga 240
 gggatcccag tatgtttgcy tcagcactcc tctcttacgt atctggtttt ctttatcccc 300
 gggttttctg attatgttga agttggaaat gtcacgttga gaaccctcct cgacgacggc 360
 cttactcttg agaaggctgc atgtcccacg ggggtactgt tgatcatttt tgaggcccg 420
 cctgagggtta ttgcgaacat tgctgcgttg tctatcaagt ctggcaatgc tgcaatactg 480
 aaaggtttgc ttcttaagtt ttggtatgta gttctgaact cctgctaata ttcaaaagga 540

gggaaagaat ccacggaatc tttcgtaacg atcgcggaacg tgatctccga agctatttct 600
 cacaccaggg tgccgcagtc gtctattcag cttgtgaaga ccagagcggc tgtctccgat 660
 ctactggcac aggactcgct tatcgatctt gtcataacctc gaggctccaa tgacctcgtt 720
 agattcgtta aagagaacac gaaaatacca gttcttggtc atgcagatgg gctctgctct 780
 gcatatatcc attccgatgc tgaccggaa attgccctca aggttattgt ggattccaaa 840
 accgactatc ccgcgcgatg caactcacta gaaactttgc ttgtacatca agatgctctc 900
 aaggaagttc taccgcctct tgccaaagca cttattgcga aggggtgtcac tctccggtgc 960
 gacgaatcct ctaaggctgc gtcattgaa aacttgactc tcaaggaagc ggggatgctt 1020
 cgggatgcct gcgagtctga tttcaggact gagtttcttg atcttacct agccgttaaa 1080
 acaatacctt ccaattcgcc tctcactgac gtcgaagcgg caatagccca tatcaattcg 1140
 cattcttcga aacatacgga tataatcatt acggaatcag aaaatattgc taatattttc 1200
 atgaaaggcg ttgacagtgc tgggggtgtc tggaatgcgt ccactagatt cgctgacggg 1260
 atgagatacg ggtttggcac tgaagtcgga atcagtacca ataagataca ctcgagaggg 1320
 ccagttggtt tggatgggtt gactatctat aagtatttga ttcgaggcag tggtcacagg 1380
 gctggtgatt attttgacgg cgaaggagc agaaagtata agcatcagaa cttagagcta 1440
 tcatagacaa acatg 1455

<210> 19946
 <211> 1455
 <212> DNA
 <213> Aspergillus nidulans

<400> 19946

gtgcagagcg aacggtaagt tatataccat agatctcaag catattcacg gtatagtaac 60
 catgtccttc caagacctcc taggccagct ccctttgctg aagagctata cccatatact 120
 cctcgtcttt cccctggtaa actcccagcg ccagccagtc cttgaggctc tccaatgctc 180
 tatcagacgc ctactggcca cgttccccctt tctgtctggg gctgtgggtcc accaggttcc 240
 ccatcccggc cactcgggta cattcagtgt tggtctccct gaaggtgatt cttcagacag 300
 agtccaacaa atactacacg tcaaagacct ctcttctatc ctaccagact atgcaacct 360
 caacgccgct aaggcacccc cggccatgct tccaggtccc ctggtggcac catcccgcc 420

tgcgtttcca cgggtctatg aagagtcttc tgcaccgggtg ttggagatcc aggcctctct 480
 gatcaacgac gggcttcttc ttacgcttgc cgcacagcac aatategtag atgctacggg 540
 gatcttctat attgccatc tgctgtcgag gtttatgtat gatccaacgg ccagcatacc 600
 agacgtgaa gttgcaatgg gcaatatcga caggagaaat cttatccctc ttcttcaga 660
 gaatcagggt ctcccgaag agatgggtat ctttacgatg gatcggcgc cccggttaac 720
 ccgggagatc ctggacgagt ataaatggac cctggtgcat ttctcccag ccgcggtacg 780
 agagatgcat gacgaagcga tgagccaacc aaacgatttc attgacggcg tcagcagcgt 840
 ctcggttaat gacgccctga cagcgttctg ctggcggaga ctctctataa tccgcgcaga 900
 gcacagccat acaagaggag aaggagcaac gactcaactg acccgtgccg cagatctccg 960
 cagagccatg ggcctaaatc cagggtatgc atacatgggc cacatggtcc gcacctcga 1020
 cctgctctc ccgtgtcga cgctcgttg ccacgcaca tccctctcgc acatttctc 1080
 tctctccgc aaatgtctga gagagcacac agagccgcag gcaatctctg cctacgcgac 1140
 tcttctctt cggacagaag ataaatctag gatcctctat gcggcagagt tcaatcccct 1200
 tacggaccta agtgtcagct ccgttgcgca tgtggatgtg ccagccttg ggacggttct 1260
 gggtaaacca agatttgtaa ggaggccgac attcggaccg ttgcctgggg gtatgtacct 1320
 tggccctagt atggggtcag agggagaaga agctagtggg gatggagggc tggatgcggg 1380
 catctgcctg aggggatggg aggtggaagg gtagctaag gatccggagt ggaagaagaa 1440
 ggtggtgtc tggga 1455

<210> 19947
 <211> 1456
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19947

ccggactcca tactgtctcc agtctcaagc ttggatcttc cagtgtagtt agaggacaaa 60
 attcgcaggg aggtagccca gtgaccgctt taaccggttg acaatgacag ccgcaacgaa 120
 cattccgatt cctgtctggg tggattgtga tcttggtctg caacccaacc cggattgatt 180
 ctatcatcta gcatagaagc tgacactaat attcaggcca cgatgtaggt tctagcgatg 240
 ttgtcgcaca cctatgctac gaagtctaac gcagcgtccg tccaatgatc ataggatgct 300

ttcgcaatcc ttctgcgagc tcatcaccca tccctgaacc ttttgggcat cagcactatt 360
 catggcaatg cttctctcga gaataccacc atcaatgccca caaggggtgct agaagctatc 420
 ggcaggcccg aaatccctgt ttatcctgga accagaaaac cgttttgcag gcctgcagtc 480
 catgctccta acatccatgg tcagttgccca acggaacacg ctcaatttta tacagcaagc 540
 taatccgcga tgggtgggaca ggcgactcag gcattgacgg aactgaactc cttccgaaag 600
 cctccagacc tcctatcaca gacaaaaatc ccatccttgc tatgcgtgat gctcttatgg 660
 ctgagcccaa gggcacacca tgggtcatag ctacgggaac attgaccaat attgccttgt 720
 tgtttgcgac ctttccagaa gttgcagtgc atatcaaagg tctcagcata atgggcgggtg 780
 gtgttggaga tggatttgcg aatgccccaa taagcagact agtcgggcat gaaaaccggg 840
 tcgggaacgt cactccatta gcggagttca atatctacgt acatcgctca atgaaggatt 900
 actagtgttg gctcaagtct gacggcgata tagtgcgacc ctgagtcggc ccaatcgatc 960
 ttcggaacg agattctcgc acccaagacc ttctgatga cgctagacct gacgcaccaa 1020
 gtcctcgct ctgcgatgt ccaaaccgc attttgcag gcgatgggtga cccctcaaca 1080
 gctccgaccg tccttcgcca aatgctatac gaactactcc tcttctttgc gtcaacttac 1140
 gaagccgaat ttggtctcac aacaggctct ccgctccatg atcctcttgc agtagccgct 1200
 gttatttcaa cccttaaccc ggacttcgct aggagatatc ccgagcaggc tttaaagttt 1260
 gatgaccgca acggcgagcg gtttgcagtc accgtcgta cagatggact tcatggaaca 1320
 gatgtcgcta tggtaggaca gtcggccgt tcagtagtgt ccagtcacgc tactggggtc 1380
 accattcccc gcggagttga tattgatgcg ttctggaata ttattgtgga ctgtatcagg 1440
 cgggcagatg agttga 1456

<210> 19948
 <211> 1460
 <212> DNA
 <213> Aspergillus nidulans

<400> 19948

acgccccttg cacgaacct ggcaaatgtt atcaagacga cagggccggt gccatttgcg 60
 gcatttatgc gccagttact cacttctcca gaggggggtt attacaccac caaaccagga 120
 gggggcggag aggtattcgg aaagaagggc gactttgtca catcgccgga aatatcgcaa 180

gtattttgggg agtttagttgg tatatggaca attgcggaat ggatggcaca gggggggaaa 240
 aagagtggag tgcagctcat ggagattggg ccaggggaagg ggacattgat ggatgatatg 300
 ttgcgagtac gtgcatgctt ttccatctct tccgaggtac tttaacacag tgtatgctca 360
 ctatggtaga cttttcgaaa cttcaaactt ttcacgtcga gtctcgaggc aatatacttg 420
 gtggaggcta gccctacttt gagagaggtc cagaagcagc tactctgtgg taatgccgtt 480
 atggaggaaa cagatatcgg ccatcggtgt acgagcaagt actttaacgt gcccgatgc 540
 tgggtggaag atatccggct gttgcctcat ggtgagtctt gcccggtgcc caataaagtc 600
 cttcggtga gccccatctg cagaggaaga taagacgccg ttcatcttcg ctcataaatt 660
 cttcgatgcc ctcccaatcc acgcttttga gtcggttctt cctcacggga aatgaacag 720
 caggaacagg agattatgac acccacaggc cggacgaaac tccagagacc accaaaagca 780
 gcaaacacac ctcaatggcg cgagctaatt gtcactctga acccgaaagc agttgacgag 840
 aacattaaag atgagccgga gttcaaatta actctagcga aagcatctac tccgtcctcc 900
 cttgtcattc ctgaaatctc tgaacggtag cgggccctta aatcccagcc tgggtccacc 960
 atcgaagtca gccagaaaag ccgcatctac gcatcagata ttgcgcgacg tatcggcgct 1020
 catcgagcc cctcgggacc gcagcggggc gcaacgcac tgcaccctct gcaatcgca 1080
 agcgcattcc ttcaggagct gccctgatca tggattacgg gacaatgtcg actgttccaa 1140
 tcaactcgct ccgcggcac cagaaccaca aaattgtccc tgcactctct tcccctggtc 1200
 gagttgatgt cagtgccgac gtggacttta cgtcgcttgc tgaggcagcc ctggaagcta 1260
 gcgagggcgt ggaagttcac ggaccgtag agcaaggaca cttcttacag gctatgggta 1320
 tcgcggagcg aatgcagcaa ttgctgagca ctgtcaagga tgagaagaag cgcaagatcc 1380
 tggaaactgg atggcaacgc cttgttgaaa gaggcggtgg tggcatgggt aagctgtata 1440
 aagtcatgac tatcatccca 1460

<210> 19949
 <211> 1461
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19949

gggatctcgc agctcaaagc ctgttcagtg ttgactgcac taatacggag tagtcctgct 60

ggcaaacc aa ataaatggcg gggaatcggg atgcggggccg attgtgcctg gccctttagg 120
 cattagcaaa ataacatatg ccagatttgt caggctagta atttcacgtg acggctccga 180
 aattatgctg gccgccggaa cattttctta cctcacgttg ttgacgagtt cgcggcgaca 240
 accattactc gttaatatca atggctgcta gtgagccatc aagatacctg gcaaaatcat 300
 tgccgcgggc tattgtcccc gctgcccgcc ctcagggttt ctgctggagg cgcaataactt 360
 ctgaccaagc gtccgccaaa ccgtccgctc tcggtgacct tgagtcggac gggctgctga 420
 agggcacacc tccgccggta gaagctgcga agccttttga ccccgttgca cgggcacgag 480
 cggaagagc tcagctccca cgaagtcggg aagtttgtcc ctttagggac ctgcaaactc 540
 tccccgattc ttgcggaaga ttctcatttc ttcatctagc tatcaattcc gttcgccaaa 600
 atatgatcgc ggtccgttgc atcctcacag gcctccgcc ccatctgac cactctctcg 660
 cctcttcgtg cctggccctt tttctctcaa agagtagagc agaccacga gtcgaccatc 720
 gcctccgata tcatgactct ttgctatgtc cacaatccgc caggcttcaa gcctcccca 780
 aaggcgcccc gtcttcgctc ttgggatgat agctctcctt accacaaaaa tcgatctctc 840
 cgcggtcccc gtggcgggca cgttctgcga ctctccgca agccaataac cttcaacaac 900
 atccccaagc tcgagcgaat tacgatccac agttacgtga agaatgccgc gaaggagaac 960
 tccgggtggc ttcacgtagc gggatatggc ctgcaagcca tatcgaatgt caagggtggag 1020
 acatacaagt caaagaccag cgttgccaaa tggtagatct ctcccggtag agataccgtg 1080
 gccgccaagg ccgagcttta cggagagaac atggagcact tcttcggaaa gttggctgac 1140
 attgtgatgc ctctctcaa agattggccc ggtgtcaagg gtaccagcgg tgacagcagc 1200
 ggaaacatta ctttcggtct agagcctgag caggctcgtt tgtttcccga gattgaggtc 1260
 aactacgata tgtatgactc ttattctctg tcttattgct ttagaaaaca attgaataac 1320
 tccagtacta actcgaatct ttgcataggt acccaccaca gatgattcct ggttgccaca 1380
 ttacacttca cacaactgcg aggactgata aggatgcccg attacttcta agtgccatgg 1440
 gagttccgtt ctatggcaag c 1461

<210> 19950
 <211> 1462
 <212> DNA
 <213> *Aspergillus nidulans*

<400>

19950

cggaatcccg acgtcgttgc gcgacacca tcggcggaag acctagacgc tgcccagcag 60
cttatttcgt ccgccaagc cggtcgagaa caccacagc atcgacatta cacggataat 120
ggatctcgga agtctgaggc gggggctccg cacagtcac atgagggaga gtacccata 180
gttcagacct ccgagactcc aatgaacggg catcatgttg aaaagacac tccgaaatcc 240
caaaaggata cctcgttcct agggcattct tgcaggtag tttgacagtt cacgatctgg 300
atztatggtg cactaacaat catctttcag taattgtgga accaagagta ccccttatg 360
gcggcggtct cctactggag ctatgatttg taatgcatgt ggtctctact tgaaagcccg 420
caatgttgca aggccgacta aaagaaaccg aacgcaagca agtcccgagg cgtatcacc 480
gcaaaaccaa tccgttggtt ctcaacctga tcccgctgtt actggaagcg aagggtgtac 540
tggttcttgc ccgggtggtg gaaactgcaa tggcacaggt ggtgcagaag gatgagcag 600
ttgtcctgcc tataacaacc gcgtttacaa gtcgactgca cgaggaaacg tcgcggcgca 660
tgcgctgaac agggcaggaa attcgatgc tgttccgtct ccagaggctg aagcacctgc 720
aaggaatagt ggacaaccag agggtaatat gctggtggct tgccaaaatt gcggaactac 780
agtgacgccg ctctggcggc gtgacgagaa cggccatcca atctgtaatg catgcggtag 840
gcttcatccg tcctctcccc tttcactctg acaagcaatt aattattgga tatcaggtct 900
ctattataag cttcacggtt cctatcgacc taccacgatg aagaagacta ttatcaaacg 960
gcgaaaacgg gttgtgccg ctctgcgaga aaattccccg actgctgcta cccattcttc 1020
acacgggtca tctgcatcgc cagaagcatc gtcaccagca actctggcct attcacatga 1080
cgagcgccat cgatattaca gttcagagcc tgttgaccaa taccaccgga tttcacccgc 1140
ggcacagagg ccatttggtt tcgcaccacc gccggttgat tttacaaatt tcaattccgg 1200
ggctgtaacg ctacctcacc accgcctcc gccatggctc ctgagccag gccatccacc 1260
tctttcccaa ttcgctcgac gatcaatctc accgagctcg tcagggaact ccaagaaacg 1320
aacacttgca gaggcgggtg ctaatacaga cactggcccc gttccaacta cattagaggc 1380
cgggtcgaat caacttcac ccattgtctc gtctgcta at ccgccaccac ccgctcgact 1440
aagttcaata tcctctatcc tc 1462

<210> 19951
 <211> 1466
 <212> DNA
 <213> Aspergillus nidulans

<400> 19951

```

ctgccgcctc cagggagaaa ctgttgcca agaaccctga cgatgtggta tgtttacttc 60
gtattatggg agaattctat gtctcacgct ttgggggcag gtaatcacgc tcgctgttcg 120
aacgccgctc accaaggcga gaaaggggtg tctcaaggac actcgtcttg atgacctgct 180
tatctcgta ctgacggtat gttgggaaat ctgcacccg ccaggtctgc ttgtatagtc 240
taatgggtg aatagagtgt gcgtgaaagg tccaagctgg atccgaatct cgtcgaagat 300
gtctgcgtcg gcaacactct ctgccctggc caggcatatg ttgcgcgctc tgccgtgctc 360
gcagcaggat tccctataac aaccgctgca tcagttgcca accgtttctg ctcttctgga 420
ttgctggcga ttcagaacat cgcaaaccag atcattgccg gctcaattga tatcggaatt 480
gcagtaggtg ctgagagcat gagcaccaat gccgacggtg gcgcaccgga cctgtccgag 540
gcgatcttgt cgcaccccat cgcgtcgcaa aacacgcaac ccatgggcca gacatccgag 600
aatgtggccg gtcagttcgg tatcgcccg gagcagcacg atcaattcgc tgccaaaagc 660
tatcagaagg cggagcgtgc ccagaaggcg ggatggttcg aggacgagat cgtccccgtc 720
aagacgcaga tcaaggaccc caagactggc gaaatcaaat ccatcatcgt tgatagggat 780
gacggtatcc gctatggcac aacagctgag tctctggga agattcgctc tgcgttcct 840
cagtggaagc caagcaacac tactggtgga aatgccagtc aaatcactga tgggtgcagcg 900
gcgcttgtgc tcatgaagcg atctcgtgca caggagcttg gccagcctat tctaggcaag 960
tttgccggag caaccgttgt tggtttgga cccaggatca tgggaattgg ccctacctat 1020
gccattccca agattctctc gaagtctggt ttgaccaaca atgaagtcga catTTTTTgaa 1080
atcaatgagg cgtttgcata aatggtacat agtccccctg ttgttgtgtg cgggggaaac 1140
cactaatact cgacaggcg tttactgctg tcagaaactt ggtttggatg aggctaaggt 1200
taaccctcgt ggtggtgcta tgtaaggcgt cagctccctg taagaagatt gttggctgac 1260
tattatagtg cttcggta tccccctggt gccacaggcg ctgcacaggt tgtgactgcc 1320
ctatccgagt tgcgacgaac gaacaaaagg gtagccgtca cctccatgtg tgttggaaca 1380
gtaagcacta tcttctcaga aatgcataa ccattcacta acggtctcgt tgtagggcat 1440

```

gggtatggct ggtatctttg tttccg

1466

<210> 19952
<211> 1466
<212> DNA
<213> *Aspergillus nidulans*

<400> 19952

cggcctcatc gtggtcagca tcttctatgc cttcatctca gcctcgctat cagagctcgc 60
ctcagccatc cctcggcag gggcgctcta tcattggtcc tcggtcgctc caggccggta 120
cggccgcgcg gcgggcttct tcacagggtta cctgaatgcc tgcgcattggc tactcagcgc 180
ggcatcgatg agttcgattc taggcaacga agcagtagcc atgtatctac tgcgtaaccc 240
cgacgtagaa tggcacagct ggcagccgtt catcgtcttc cagattgtac tctggatgtg 300
ctgcggaatt gtctgctgcg ggaatagggt cctcccgctg ttgaatcgaa ttgcgctcat 360
ttcgtcgatg ggtggcttgt tcattacgat tattgttctc gctgctatgc cgcgtggctc 420
gtgggccagt aaccagcagg tgtggaggac ttattataat gaaacggggg ggtgggtctga 480
cggcatttgt ttctgagtg gcctgctcaa tgcggctttt gctgttggga cgccagactg 540
tattagccat ctatctgaag agggtaatgc tcttccgtag cattctccat gatgggatag 600
atatagcatg ctaacagggt ggcattccagt gccgcagccc gaacggaaaag tcccgcagg 660
aataatgctc caactcctca cagcattcag cacagcattc atctatctta tcgctctttt 720
ttacagcata aatgacatcg acgccgtctt caacagcgca ctcaacttcc ccaccgccga 780
aatctacctg caagcgacag gctccaccgc cggcgagtc ggctcgctc cactaatggt 840
cctcgcaacc tttccaaccc taatcggcac cctcagaca ggcgcccgca tgtggtggtc 900
cctcgcacgt gacaacgcta ccccttttgc gccgttcctt gcaaaggctc atcctaccct 960
tgatgcaccc gttaacgcaa ctgtcgcgat gacaaccatg gtgacgtgcc tagggtgcat 1020
ctatggagga agcacgacgg cttttcaggc attgatcagc tccttcatcg tactcagcac 1080
gctttcgtac gccggcgcca ttctcccca cctgctaagc ggtcgaggcc gcgtcatttt 1140
cgggcccttc cgcattgacc gaagctgggg attcattgtg aacgtgctc cggtggtgta 1200
tatcgtgtg acggtggtgt tcttctgctt cccgtttacg ttgccgtga cggtgcagaa 1260
tatgaattat actagtgtca ttaccgtagg tttaatgacg attgtgctgg cttggtggac 1320

tgtgcggggg atgagagagt atcagggccc ggtgtatagt atcgaagctg cggaaaagat 1380
 tgctcatgaa gagacggaga gggttgccga ggaggttggg gtcttgggcg aggggggttg 1440
 gacgaggaa taagctatag tataga 1466

<210> 19953
 <211> 1467
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19953
 gccgcaagac gtctacgggg atgagcagaa tgcagagatc aagtacaagg tgctgagctg 60
 gtggtatggt tctttttctc ttcgtctctt tcttatatgt cttgctttct tgattcttat 120
 gttcttttat tttatcttat tttttcctta ctttatcttg attttgattt cattatcttt 180
 ctttccttgt cttctgctca gcttatacaa tattacaatg cttcctctca gctactaact 240
 gattaccagg caagctggat tccgtgagtt agacactctg gggcgccctgg agcagcgctg 300
 ttccagctgc ttgagcggac tggagtatac tgatgaagcg cagtaatggt cgccgaaacc 360
 gtctcaatcg ggatcctctc tctaccagc gttgttgctg ctttaggtct tgtcccgtaa 420
 gtcagcctg acccggttcc tgtccgcgcc attctcacc cgctagggct gtgatcctcc 480
 tcgcccgaat cggactcatg tccacctaca cgggctacac catgggccag ttccgggtggc 540
 gctaccgcga cgtgcagagc atggccgatg ctgggtgaagt gttggccggt tcgttcggcc 600
 gtgaattcct cggcatgggc cagctactgc tgatcgtctt catcatggcc tctcacctgc 660
 tgacgtttac cgtggcaatg aatacgatta cggaccatgg aacctgcacc gttgtctttg 720
 gcgttgtggg actggtgatc tcgtatgtgc tgtgcttgcc gaggacgagt gcaaaggtct 780
 cgtatctgtc tgttgggtgt atgtctagtc cagccgtccc gtcacgtctt actacacttg 840
 gtgagcttac atcatgtgct gaccgggtgc agcgttcttg agcgtcctt ctgccgtcct 900
 gatcgtcatg atcgcagtcg gtatccagaa gccctggaag ggtgagctcg acgccgttgt 960
 cgacacgaat ctttaccatg cgttcctggg agtgtgcaat atcgtcttct cttctgttaa 1020
 gtcgtgtcga cccctttgat ctctatggc ctatcttcta aacatcctta gccggccacg 1080
 tcgctttctt cagcttcatt tccgagctca aagatccgcg cgaattcccc aaatctctct 1140
 ttctcctaca aggcacagat acgatcttgt atatagtcag cgcggtcgta atctacgtct 1200

acgccggggcc ggacgtgact tctccggcgc tgggatccgc cagtacgggt gtcggaaaagg 1260
 tcgcgtacgg gggtgcgctg ccgacggtga gtttctttgg ttgcccact ggcgctttgt 1320
 ctattggagg tgaagtgcga gatggctaac cgttcaacgc agatcatcat cggcggcggt 1380
 gtcaacggcc acgttgcaag caagtacgtc tacgtccgtg ttttccgggg gaccgatcgg 1440
 atccacaaga aggatatcat tgctgtg 1467

<210> 19954
 <211> 1469
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19954

taaagatgct gttatgtgta tttcggcgaa tcaagttctt ttgcctgccg tgttctgcgg 60
 tatcatcgga gcagggggtg tctacacagc ggcacgcacg gcgcttacgg cttcagaagt 120
 ctcaaagcag ctaaggcagt ccaggagtaa agtgattgtt gcgtgtccgg agaatagggc 180
 caaggcgcgg gacgctgcgc gggaaatgtg tataccaccg gatagggtgt tgggtactaga 240
 gagtatgggg caccggcggc ttttatgcc aagtaatttc gggaggaatt acctgcaagc 300
 aacggcagag ctggattggg agcggattgc ggatattgat gcgctggaaa ataccaccat 360
 ctgcctgctc tattcatctg ggacaactgg tccgcccaaa ggggttatgt tgtctcacat 420
 gaatcttgtt tccgaagccc tattcactca gttggtgttg cgggactcta aagaagggaa 480
 gccacatctg aacgttcctc atcgaacagt cggacacctc cccacagccc atattgcagg 540
 gtgtctggga tgtttcatca caccgcgggt tgccggaggg acagtgtact ggatgccag 600
 gtttaatatc gatgagttca ttgactattg taagaagtat gcagtgcact tcttgtcaac 660
 ggccccgcgg gtttaccatg gaattgtgcg gagtgaccgc gtgacagatc agttcaagac 720
 ccttgtccgg gccgagtcag gtgcagcgcc cctgagctta gagcttcaag agcaagcgga 780
 aaagatgctg ggatgcacca tcagtcagcg ttgggggaatg accgaatcca ctggaagcgt 840
 gactaccatg ccctggggac aatccgacaa taccgggggt atcagtcctg tactacccaa 900
 tatgaggtta cggctcggtg atgaacggat gagagacgtt agaagtggag acgagggcga 960
 gatcctgctc aaagggccga tgatcacgaa aggttatttc gaaaaccgg aagcaactgc 1020
 agaagccttc acaacagatg gctggtacaa gactggagat atcggagtct ataaagatgg 1080

aaaaataatc atggttgacc ggaaaaaggt aagcacataa gcatcaccat cgaagtgaac 1140
 tgctaaccct cgcccaggag ctcatcaagt acaaaggatt gcaggtctct ccggtagaga 1200
 tagaaggatt ctttctcaca catcccggcg ttgcagatgt tgccgtggtc ggcgcacgcg 1260
 atccagaggc tccaggtaac gagctacctc gggcatatgt tgtgatcaag gctggaagca 1320
 gtgtctctga ggcagagtta aaagagtacg tcaagtccaa tctggcaggc cacaagcagc 1380
 tccgggggtgg agttgtattc atagacgaga tacccaaaag tgcatcagga aagatcctaa 1440
 gaaggatact gcgggaccaa gcaagaagc 1469

<210> 19955
 <211> 1470
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19955
 tgatcgtact cctaagtacc ggcaggagat ccagcaggta agcaacatta ttttgatgta 60
 ttctgtgttg tctcaatata ccctttggga atctggcaga ggtgggggtgg aagagctcta 120
 tttttattac gttgcttcgt tgtatcttgc gattgttctc tctgctagag actcaagcaa 180
 ctcccttgtc ttggacctga tacggatctc ctttctcctg cgcctagaca tcgtctgctc 240
 ccatatttgg aagcagaaat ggtcttacia atatacgtgt ctgggaattt ctctgatgcg 300
 tgtgggagag aatcagggat tgagaccgtg ctgccttac gtgatggcag tagtgctctt 360
 ctgggagtct cgatctatgc atcgcgggcg agagcgaccc ttcagggtga ggctgtggat 420
 gaaactctgg aatcaaacga gagctctttt gagagcaaga gaatgtttgc tgccaaaatg 480
 actaactttt ctgctagatg atgtttgtat ctggagaaac tgctgagcct tcaattgaga 540
 ccaccacct tatagaagat attgtgagac agcaagtagt cgagcttggt agccactgct 600
 tcctcacgga tcgtcggcgt atactaacca atgcatgtat agcttgctcg cagtactgcc 660
 ttagctactc gccgtggtgt cagatccata tctactgatg atttgatctt tttgattcgt 720
 cagcacaagg ctaaagtgtc gcgtttgaag acatttctgt catggaaaga tgtccggaag 780
 aatgtgaaag actctgacga caagggcggc gctgatgagg ctgactttgc cggggccgat 840
 gaccctatgg ctgggtggcgt cgttgcaggt ccccaggatg ttgcatctaa gcccaagaac 900
 aaaaaagcgc gtgttgggct tgcttgggac gtcaatagct tctactcagt ccaagttcca 960

gagagagatg acgaagaaga tgaagaagag gaggagcaaa actatgctac cctccagcgt 1020
cttgccgctg cagacgagcg gaccaaacac atgactagag aagaatacgt tttctggctc 1080
gaatgccgcc aggcacgtt cacataccgc aagagtaagc gggtcagaga atgggctggg 1140
tttgggattg ttaccgaatc gaagcccaat gatgatatcg tcgatattct cggctttttg 1200
acctttgaga ttgtgcagac tcttaccgaa gaagcgcctca aggtcaagga acgcaagac 1260
cgcgagaaaa accgccgtgg aggagcagaa aacagcgcag aagatacaaa gaaacgcaag 1320
cgcgagacgg ggctcttcga tctcctgag gagggccgta cgctgtgga gccgagacac 1380
attcgcgagg cgtaccgcaa gctgcaagct actccgaaca agaacattgc gatgctcctt 1440
cataatggcc gtctgccagc gcgaatgcct 1470

<210> 19956
<211> 1470
<212> DNA
<213> *Aspergillus nidulans*

<400> 19956

ggctagcaag gccaggcaac actagatggc ttattatatt tgacaatatc gaccagtatt 60
ctccagccca aggccatggt cactgtggat atgatatcta cgaattcttt ccaaaggctg 120
atcatggatc tattatgatc acttcccggc tccaggggct cactgaactt gggaagtcac 180
ttccagttcg gagacttatg cacaagatg ctacacagct attgtttcaa agcagcggct 240
tctcagctaa agatattacg cagatgggtg ctgaacaagg tactgtacta ttagctagac 300
ttgaagaaca tgactaacat caacagacct tataaatctt gctagcctgc tggatgggct 360
ctcgtgggca attgtcatag ctggggcctt catgctcaa acaggaacaa cttttaaaga 420
gtatttagag ctctaccaga cttcctgggt cgacttgag tcacagtcag caccacacg 480
ccaataccag caaggcaata ttgtacaaac atggattatc acctataaag agatacagaa 540
acgtgatccc actgccgca aactcttgct cttactcgca ttttttgata accaggatat 600
ctggtatgaa ctgactcaaa acgggttgga ctactccaac ccgccaccat ggtttaaagc 660
agcagtgtca agcaagctgg tctttaggac aaagataaaa gcactagttg agttctcgct 720
tgttgaaata aaacagcagg agggaagcta tactctgcat cccgtggtag aggactggtg 780
ttatcatatt gctgcctcca atgacctcac aaaccaacta caggagctgg cgttcatctc 840

ggttgatat acagtcccca gtcgggacac cagagattat gcaaggcttg agcagcgatt 900
 acttcctcat gcaaataacc taatccaaag gaatataggc tattggcttg atatacagcc 960
 tgaagacaga atcaacattt ttggagcctt tcatggctta ggtaatctct acttacatca 1020
 aggaaagctg aaagaggcag aagggatgta tcagcgagcc ctggcaggca aggagaaggc 1080
 actgggtcct gaccacacat ccgcccttga tacagtcaac aatcttggtc ttctctactc 1140
 tgatcagggc aggctgaaag aggcagagga gatgtatcag cgagcactgg caggctacaa 1200
 gaaggcactg ggcctgatc acacatccac cctgaatata gtcaacaatc ttgggaatct 1260
 ctactctgat cagggcaagc tgagagaggc agaggagatg tatcagcaag cactagcagg 1320
 ctacgagaag gcaactgggtc ctgccacac atccaccctt gatacagtca acaatcttgg 1380
 gaacctctac tctgatcagg gcaggctgaa agaagcagag gagatgtatc agcaagcact 1440
 ggcaggcaag gagaaggcac tgggccttga 1470

<210> 19957
 <211> 1472
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19957

atgcaaccgc gccctaacc attcatgctc cctactaagt gctctgtcat gattcaggca 60
 atgcggactc ctcatggctg ccgaaacaat atccctgggc attctctcca tcccagccgc 120
 aatcgcaggt cttggcctcg tccgggccat cgtgatcctt ctcgatcatg ggctcattgc 180
 ttcatatacg ggctacgtga tcgggcaatt caagtggcgg tatccgcatg tcgtcagcat 240
 ggctgatgca ggtgaggctc tgatgggccc gttcgggcga gaggttctct tcggcggcca 300
 gatgctcttc ttgatcttcc tcatggccag ccatatcttg acattcacag tggcaatgaa 360
 cagactgacc aaccacggga catgttctct tgtctttggg gttattgggc tgctggtttc 420
 tcttgtgttt tccctgcca ggacaatgaa aaatatgtcg tggctgtcgc ttgcttgtga 480
 gtaatagcct accacaatga gatatgaggc taattctatc acttttatcc agcatttatc 540
 agtatcttca cagcggatc gatcgccatg gtcgccatcg gtgtcgagca ccctggaggc 600
 ccagtcaaag ccacagccga gacaaatctt gtcactggct ttacagctgc gctgaatatc 660
 atcctgtcat acggtgaagac tcctcattct ctctctgtca gtgatatac cgtctaagtc 720

ttacagcgag ccataacgcc ttcttcaacg tcatcgctga gttgaaagag cccagagact 780
 tccccaaagc cctcaccctg ctgcagtgcg ttgacattac cctttatctt gtttcggtg 840
 tcgtgatcta ctacttcgcc ggggacgacg tcaagtcgcc agcactcggc tcaataaacc 900
 cattggtgtc taagggtgct tacggggtgg ctctaccaac agtaagcccg cctcagctct 960
 ccttagcact tectctagac ctgctcact gtgaactcta cggtagatta tcatcgccgg 1020
 cgtgattaac gggcacatcg cgtgtaagtc catctacaca cgcgtcttcg ccggcacctc 1080
 ccacatgcac aagcaggatt tccgggccgt gggatcctgg atcgggtattg cgggtgggact 1140
 ttgggtcatc gcctgggtgg ttgcgactgc gattccggtt ttcagtaacc ttcttagtct 1200
 tatggtatac tcaccctaac ccgtcttcg tctgatgcag agactgataa gagacagact 1260
 gcgctcttcg ccagctgggt cagcttcagt ctctctgctg cgttctgggt gttcatgaac 1320
 cgtggcctgt ggttctcgag cccaaggaaa actggaatca ccatctttaa ctgccttgtt 1380
 ttcgggatgg gtgttggtat ggtatgtttt cgttctctat ctcaaaaaa gcgaatccac 1440
 aactaatcac atatgcgcca gtgtgcaatt gg 1472

<210> 19958
 <211> 1473
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19958

cccctcttga gctgaacagc tactaaatcc cgtagagaga gtcgattccc aacctgaaaa 60
 cccattctca gccctgatcg aggaccagtc tatcggtatc atcccaacat tcaccttgga 120
 atccggcggt accctctata acgttccggt agcctataca acccgcgga cactctcacc 180
 gagtggtgac aatgctcttg tcatctgcca tgctttgagt ggtagcgctg atgtggctga 240
 ctggtgggga cccctacttg gcggccccgg acaagccttc gatctctcgc ggttctttgt 300
 tgtctgtctc aatagcctcg gtagtccgta cggaagcgca agtgcggtga cctacaagga 360
 tggaaccccg gaaaaaggcc tgtacgggcc cgagttccct cttaccactg tccgtgacga 420
 tgtgaggtga gtgccaaaat tcattcataa taaaaaatgg tgctaacgag ttgaagaatt 480
 cacaagatgg tgctggacga tcttgggtatt aaacaaatcg cggctgtagt tggcggtc 540
 atgggcggca tgctcactct tgaatatgca tactttggga aggactacgt togagccatc 600

gttcccatcg cgacatcggc acgacactct gcttgggtgca tcagctgggg ggaggcgag 660
 cgccagagca tctacagcga cccaagtac gaaaatgggt actattcatt cgacgaacct 720
 cctgccgctg ggcttgggtgc tgcccggatg tcggcccttc tgacctaccg aagccgtaat 780
 tcgttcgagt ctcggttcgg tcgaaacgta ccagaccgt cgaagcggca gaacatcaat 840
 ggtacagaaa gactacctac tcctcogaac gagcattggg cgatccacaa tgatggccac 900
 aagggcaatt ggagcggccg taactctccc gcgccagaga aacctgcgga gaagaccgag 960
 gtgcagtata tggaccacaca gttctctggg accaagactt tcagcaaaag tgtcagcact 1020
 accgatggaa atgctcagaa acgacctgcg acctatcttt ctgcccagtc ataccttcgc 1080
 taccagggag acaagtttgt gaaacggttc gacgccaact gttacatcgc catcactcgc 1140
 aagctggata cacatgacgt ctctcgccac cgagcccgtc cggactccga aaatcccgtt 1200
 cgtgaggcgc tttcgcagat ccagcaaccc gccctgggtc tgggaatcga gagcgatggg 1260
 ctcttcacct tcgaggaaca gaaagaaatc gccgagggca tcccagactc gagactcgaa 1320
 cgcattgaca gccccgaagg ccacgatgcc ttcctacttc aattcgagca ggtcaatcag 1380
 tacatcctgg agttcttccg ggaggttctt cccgacataa tgtccaagac gccacggat 1440
 ggtgccgcca tcgacggtgt tggcaagcta acc 1473

<210> 19959
 <211> 1474
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19959

tcggctgcaa agccaacggt tcggcttcca tgtgtcctag atttcagccg acccgtcaag 60
 tccctatcgg ttgccttctg gatctggaag gccatcctct ttgttgccat aatcagctct 120
 ccagggttg gctatgatac atcgctgagc cttcttccgc tcctggccaa cggctcggtc 180
 gagaccgcgc cagataataa gaatctgtct cttccaattc cgctgaaatt cgtccgatgg 240
 gactcgatct acttcgttca cataggccag gctgggtacg tctttgaaca ggaatgggag 300
 ttcagttctg catacgggta tctgggtcaat tccttgtctt gtcgtatgtc tgctccccta 360
 ttagtctttg gatatcggtt ctaacttatt cagttttttt cccatcgat gattcaaagg 420
 gagtagcaga gttcgtatc gctgctgttg tgctgtcaca tgtggcccat tatctttccg 480

tcctaacatt gtaccagctc tctctcagtg tctttggcta tgagaccgag agaaagaggc 540
 tcgtttgctt tctttctgcg gctctgcata tcatctctcc tgctggaaca ttctctctctg 600
 cgccctatgc agagtctctc ttctcattct tgaacattgc gggactctac agttactcgt 660
 cctccctcgt tgatctcacc aagcgaaagc agttagtaag ccatgtgaaa ctcttcattt 720
 cgggatgttt ctttgcgata gctaccgctg tgccgcagtaa tggcatcctc agcgggattc 780
 ttctagcata tgaggtggtc gctcgccgtt cgcccagagc agcccgcgtt ctgtgcttcg 840
 tcattacgag cggctgcctc gtcgccctgg ggtttgttat tctcagtag ttagcgtaca 900
 ccgcatactg ctgcaatgat agcctctccc gaccctggtg tcaactcctt gtcccaagca 960
 tttatggctg ggtccaggct cttactgggt aagttcttga gaagtttgct ccagatttag 1020
 ctacatgtta atatgcgaac aggggcgtgg gattattccg atactggaca gtgtcaaata 1080
 ttctcttttt cttactcgtt ttgccaatgc tgcttattct ctttcagtcc tgcttctgga 1140
 ctctgcgcgc aggagctccc tgctggctta aaaactctgc tgaagccggt cgtcttcatt 1200
 tgcccgattc ctacagccaa ttgcttaaac aactcgctgt ggtccagctc gtgcttgcca 1260
 caatggcttt aactagtatt catgttcaga tcattaaccg gatttcgtct gggtagcctc 1320
 tgtggtattg gtatcttgct aaccaagctt tggaaatccc aaatcgatcc tcgtccgtgg 1380
 ccagatatag cagtctgttc ctggtgagct tacaagcaat ggtaatttat gcacttgctc 1440
 aaggcgttct ttttgcctct tttcttctc cggc 1474

<210> 19960
 <211> 1475
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19960

ggcagactgc ggcacgaaga ttcaatatac gatcgcgacg atggaactct acgtttgaga 60
 ctagggaatg gtctacgcc cttgcacgaa ccctggcaaa tggtatcaag acgacagggc 120
 cgggtgccc atgcggcattt atgcgccaag tactcacttc tccagagggg ggttattaca 180
 ccaccaaacc aggagggggc ggagaggtat tcggaagaa gggcgacttt gtcacatcgc 240
 cggaaatata gcaagtattt ggggagttag ttggtatatg gacaattgcg gaatggatgg 300
 cacagggggg gaaaaagagt ggagtgcagc tcatggagat tgggccaggg aaggggacat 360

tgatggatga tatgttgcca gtacgtgcat gcgtttccat ctcttccgag gtactttaac 420
 acagtgtatg ctactatgg tagacttttc gaaacttcaa acctttcacg tcgagtctcg 480
 aggcaatata tctggtggag gctagcccta ctttgagaga ggtccagaag cagctactct 540
 gtggtaatgc cggttatggag gaaacagata tcggccatcg gtgtacgagc aagtacttta 600
 acgtgcccggt gatctgggtg gaagatatcc ggctgttgcc tcatgggtgag tcttgcccg 660
 tgcccaataa agtccttcgg ctgagcccca tctgcagagg aagataagac gccgttcac 720
 ttcgctcatg aattcttcga tgccctccca atccacgctt ttgagtcggt tctcctcac 780
 cggaatatga acagcaggaa caggagatta tgacaccac aggccggagc aaactccaga 840
 gaccaccaa agcagcaa acacctcaat ggccgagct aatggctact ctgaaccga 900
 aagcagttga cgagaacatt aaagatgagc cgaggttcaa attaactcta gcgaagcat 960
 ctactccgct ctcccttctc attcctgaaa tctctgaacg gtaccgggccc cttaaattccc 1020
 agcctgggtc caccatcgaa gtcagcccg aaagccgcat ctacgcatca gatattgccc 1080
 gacgtatcgg cgctcatcgc agccccctcg gaccgcagcg gggcgcaacg catctgcacc 1140
 ctctgcaatc gcgaagcgca ttccttcagg agctgccctg atcatggatt acgggacaat 1200
 gtcgactgtt ccaatcaact cgctccgagg catccagaac cacaaaattg tccctgcact 1260
 ctcttccccct ggctcgagttg atgtcagtg gcagctggac tttacgtcgc ttgctgaggc 1320
 agccctggaa gctagcgagg gcgtggaagt tcacggaccc gtagagcaag gacacttctt 1380
 acaggctatg ggtatcgagg agcgaatgca gcaattgctg agcaactgtca aggatgagaa 1440
 gaagcgcaag atcctggaaa ctggatggca acgcc 1475

<210> 19961
 <211> 1475
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19961

cgagtctccg aatactggaa aagtgagcct gggcctatcg gtaatagtga gagtgacttt 60
 gaaagatgga gcttaccacg aggtatgtcg gaatccctag ccgaactacg atattcgaca 120
 cgacgttgat gggctggggg tatcaggatc ttggatacgg acatattgag aattgcaagg 180
 gcaaggccgc agctttcgag aaggctaaga aagaggcaac aactgacgct ctgaaacgcg 240

ctctgcggaa cttcggcaat gttttgggca actgtatatata cgacaaggac tacatttcca 300
 aggttttcgaa actgaagacg gtaccagtaa gtggcctcgt tccttggcct tagttcatga 360
 cactgacata cccgcagtca aaattggatg taggcgatct gcacgccat cccgactttg 420
 ctcccataaa aaaagaacca atgcgagtga agccgtctct ggaagacgac gatctgcccc 480
 ccaatccgtc aatagcggga aggaacactt cgaccaatag tgccgctgat atggacgcgg 540
 aattcggtag taagttgatg caatgtacag ctcatTTTtac cctaggtcgc tgatcggatc 600
 aggtgatgtt tttgatgagg ctgatttcaa tgtcggtgag ggtgagtacc cggatgggat 660
 agtagcagaa gacactcaaa aaaggcacca accgccaacc cctgttggga gacctaattgc 720
 tcactctaat ctcccaaaac atgctcttgg agcacaagca agtggcaatc aacatgttgt 780
 cactccgtct aaaccagaaa gacctatgaa cttgccccca gcgggcaggc agattcctaa 840
 ccaggcccta aacaaccgac cgttccctcc acccgcccaa aatcaatata caaatcaaag 900
 acaatccgtt ccgctccccg gttcaaattg aggactacaa aatggaagat caataccact 960
 gggccaacgc gctagtaatg gcattggccac aggctctgat gctggcgcac aggtacccat 1020
 caaacaggaa catggtgcaa aacaaccaa cccagcacccg caaaatacgg ccgtcccggc 1080
 taccacaggc ataatggtc aagggcctcc agtcgtggga tttctctccg cccgcggagc 1140
 cgacatgcta cgtgaaaatc cacatagcgc cgccaccgta gccccagcct tcaatccgca 1200
 cgcgagagc ccttctatcc gcaagacggc cggcgtcgac cacaccaaga gcatacccat 1260
 ctcaaaacca atgctagccg gtagcgctc accattatcc aacaaacac gcgacttcat 1320
 caatccctcc gcagaaatgc atcgaaagat cggcgccccc agcggcagtg tggtcggcgg 1380
 tcccatgaac agaggtccat cggtatcctc ttaccgtcct ctaacacggc cgaatgttga 1440
 ccctaaagct gctgcacaaa acaacaccgc cgccg 1475

<210> 19962
 <211> 1477
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19962

taaagatgct gttatgtgta tttcggcgaa tcaagttctt ttgcctgccg tgttctgcgg 60
 tatcatcgga gcagggggtg tctacacagc ggcacgacg gcgcttacgg cttcagaagt 120

ctcaaagcag ctaaggcagt ccaggagtaa agtgattggt gcgtgtccgg agaatagggc 180
 caaggcgcgg gacgctgcgc gggaatgtgg tataccaccg gatagggtgt tggtagtaga 240
 gagtatgggg caccggcggc ttttatgcc aagtaatttc gggaggaatt acctgcaagc 300
 aacggcagag ctggattggg agcggattgc ggatattgat gcgctggaaa ataccaccat 360
 ctgcctgctc tattcatctg ggacaactgg tccgccccaa ggggttatgt tgtctcacat 420
 gaatcttggt tccgaagccc tattcactca gttggtgttg cgggactcta aagaaggaa 480
 gccacatctg aacgttccct atcgaacagt cggacacctc cccacagccc atattgcagg 540
 gtgtctggga tgtttcatca caccgcgggt tgccggaggg acagtgtact ggatgccag 600
 gtttaatatc gatgagttca ttgactattg taagaagtat gcagtgcact tcttgtaaac 660
 ggccccgccg gtttaccatg gaattgtgcg gagtgaccgc gtgacagatc agttcaagac 720
 ccttgccggg gccgagtcag gtgcagcgcc cctgagctta gagcttcaag agcaagcgga 780
 aaagatgctg ggatgcacca tcagtcagcg ttggggaaatg accgaatcca ctggaagcgt 840
 gactaccatg ccctggggac aatccgacaa taccgggggt atcagtcctg tactaccaa 900
 tatgaggta cggtcgttg atgaacgat gagagacgtt agaagtggag acgagggcga 960
 gatcctgctc aaagggccga tgatcacgaa aggttatattc gaaaaccgg aagcaactgc 1020
 agaagccttc acaacagatg gctggtacaa gactggagat atcggagtct ataaagatgg 1080
 aaaaataatc atggttgacc ggaaaaaggt aagcacataa gcatcaccat cgaagtgaac 1140
 tgctaaccct cgcccaggag ctcatcaagt acaaaggatt gcaggtctct ccggtagaga 1200
 tagaaggatt ctttctcaca catcccggcg ttgcagatgt tgccgtggtc ggcgcacgcg 1260
 atccagaggc tccaggtaac gagctacctc gggcatatgt tgtgatcaag gctggaagca 1320
 gtgtctctga ggcagagtta aaagagtacg tcaagtccaa tctggcaggc cacaagcagc 1380
 tccgggggtg agttgtattc atagacgaga taccctaaaag tgcacagga aagatcctaa 1440
 gaaggatact gcgggaccaa gcaagaagct cggcggg 1477

<210> 19963
 <211> 1478
 <212> DNA
 <213> Aspergillus nidulans
 <400> 19963

cattctccaa ggtataaagt tgggacaagt caatctcagg aacgaattgt attatagaca 60
ctgccaacgc atttcagagg tctacagatg tcagtcctaa aacttatcac caggtcaacc 120
gcccgcgcgg catccacatc aacatccgcc caacttacca aggcagcggg tgatatctcc 180
agtgctcttc ccagcttgag gccggactat aaaccggagc cgttgccacc gcggtttaa 240
gatctaaagg agcgaatatt tcgcagaaac ggggatgctt tgaagaagag ctgggaaagg 300
cttttgccca gtctggaaga ggaggtggac aagattaagg cgaaaaagag cggagtatgt 360
atgataacat agatgagtag cctaagactg acggtgctag atcatcccta tcgtggatta 420
ctctgacgtt gtttccggtg atgtgtctcc ggcgtcctg gcggagatcc gtcatcgcg 480
atctgtcgtt atcagaaatg tggtgccgcg gaaagaagca cgggcttgga aggagagaat 540
agaggattac gtgcagcca atcaggataa agtcaaggca tttccccag actcaccggc 600
ggtgtttgag ctgtattgga cgccgtcgca agcagaagct cgagcccact ccaacgtgct 660
agatacacag cgtttcctgc agcgcctatg gcattcgaca gacccaaca cacgaatctc 720
gacgcggtac cctctttcat acgtgacag attgctatc cgacagcccg gcgacagcaa 780
gttcaactcta ggacctcaca ttgatggagg ctcatggag cgttgggagg accccgagta 840
ctccagggtg tacgcaaaa tcctggaagg caagtgggaa gaatacgacc catgggacgc 900
aaagcacgt atcgccgcaa atatggattt gtacaacggt gcggggcgct gctctatgct 960
gagatttttc cagggctggc tgtccatgtc caagacagcc ccaggcgaag gctcgctaca 1020
tgtctgcccc atgcttgtgc acagtactgc gtacactatg ctcagaccat tctttgacag 1080
tcagacacta cagccagcga tggacgctac ctccccggg tcggtgctg gtgctgcca 1140
ggagtacaac cctattacac atccgcatct cgagctggag acaacgatgg tgtccgtccc 1200
tgaggtagaa cctggtgact atgttgctg gcattgtgat tctctgact cagtcgacaa 1260
ggagcatcgg ggtaagggtg actcgagcgt tctctatatc ccagcaaccc caatgtgca 1320
tatgaacgtc gattacctgc tcaagcagcg aaaagcggcg ctcgcttact ccccgccatg 1380
ggacttccca ggggccggcg ggccaggcga acttgattc aaggagcgt tggactggaa 1440
ttcgattagt gctgagggac agcgagccat gggcttgg 1478

<210> 19964
<211> 1480

<212> DNA
 <213> *Aspergillus nidulans*
 <400> 19964

```

cgatggcatc ggcgggttttc ttcctagatc tgaagggcaa ggcaagtgaa ttcaggctag   60
acagtcacca tcacccaat tattcgtcca ctgcatacag ctaagccacc tcgtgctgac  120
cgacctcttt tttgtagact cttctagccc gaaactatcg cggagacatt ccaatgtccg  180
ccgtcgagaa attccccatc ctctcagtg acgccgaaga agaaagctcc gcggtacctc  240
cgtgcttctc gcacgaagga attaatgtac gtttggtttg gtgattgcgc ctggcgacgg  300
tttcccttac gtgtcgcgct ccccgctgct ctccccgcaa cccgcattgt cattggactt  360
ggttctgtgc gcgctgtacc agcacatttt agctacctca tattgcaggt agtttagata  420
aattctggat tacgagcctc tgggccgtgc tcatgtttta tgtttgtctg tactaaccaa  480
gttatagtac ctctatatcc gtcacagtaa cctctatatc ctgccttga ccaagaaaaa  540
caccaatgcg acggaaatcc tgctctttct ccacaagatc gtcgaggttt tcacggagta  600
cttcaagggtg ctggaggagg agagtatccg ggacaacttc gtcattattt acgagttgct  660
cgatgagatg atggattttg gataccctca aacaacagag agcaagatcc tacaagagta  720
ggcctcacc ctttttgaac actggagcac gttagggttaa ttgttaatcg ctaggtacat  780
cacacaagaa tcacacaagc tggaagtcca ggcccgacca cctatcgccg tcacaaatgc  840
agtctcttgg cgaagtgaag gcatccgcta ccgcaagaac gaagttttcc tcgatgtggg  900
tgaatctctc aatctcctcg tatccgcgac tggaaacgtg ctacggtcag agattctggg  960
cgctatcaag atgaagtgtt atctgagcgg aatgccggag ctccgtctcg gcttgaacga 1020
caaggtcatg ttcgagacaa ccggtcgggc atcgcggggt aaggccgtcg agatggagga 1080
tgtgaagttt catcaatgtg tccggctgtc tcggttcgag aatgaccgca caatcagctt 1140
catcccgccg gatggagagt tcgagctaat gagctaccgt ctgaacacac aagttaagcc 1200
acttatctgg gttgaatgtt tggtagagtc gcactctggt tcccgattg agtacatgtt 1260
gaaggtgcgt ttaccccttt ccctctgttc agtccatacc taatctataa catcaggcca 1320
aagcccaatt caaacgcgcg agcacggcca acaacgtcga aatccttgtc cccgtcccgg 1380
acgatgctga ctccccgtcg ttccgcacaa acatcggcac agtccactac gcgcctgaaa 1440
agtcgcccat cgtttgaag ataaagcagt tcggcggcgg                                     1480

```

<210> 19965
 <211> 1480
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19965

gcgcaaccgc agaaaccaa gttatctgaa aaggaatacc aacacctgaa acttcaaacg 60
 gcccggttaa agcagaagtt tgagttcggg gttacgtcgc tatcgcgcg actcaagacc 120
 gctcggggct ttgaaaggca gaagctcggg aggaggcaga aagtcgcaaa gggaggacca 180
 ggaacggaga tcgcagttgc gcatgcgaaa aaggcgaagt cgaaaccaa gtcgaatgtt 240
 agtcctgagg agactctcag gaggatcgaa ggggagattc aggtcttgaa ggttggttca 300
 accttttctt tccccgtgta tttcgttgat ttcggaatga gctcgtttga ctgacttcgg 360
 tgcagagcct cgacccaact acgactgcgg aaaaatatct cttcaagcag ctagccaaaa 420
 cgaaacggat tgccgagtc cctgttttct accgtttcaa acaatctaaa gaaaagaaga 480
 tcaagcttga gggaccaaag agtacggagg aagcgaatgt tacagcgaga ctttttaagt 540
 cgaatcccggt gcagaatgtc ttgccgggta ttatggaggg attaagggga ttgtttggat 600
 tggaaggagc cggggcgaa gggaaaaagg acgagaggga cggtggggaa aggaaggctg 660
 gagaacaggc tgggggtaga aaggatgttt ccggggatga gtccgtgtct ggggtctgaag 720
 atgaggatga ggccgatgcg cgagacgcgg aggtctggag cgggatatag acatgaagga 780
 tgcagagagt ggtgacgacg aagaggacta ctgcacttc gacgcacgac tagcctcaga 840
 ctcggaagac tccaacgacg acctcttaag tgaagacaac gataataccg gatcaagaca 900
 tgctcgccgc tctccatgt ccatctcgct ctccccatca cgctcgccct ccccatcgca 960
 atcgccacca ccaaagaaac ccaagtctac atccgcttcc aagacccccg cgacaagcac 1020
 aaccttcctc ccgtccctca tgatgggtgg gtactggtct gggtctgagt ccgagcctga 1080
 ggagctcgaa gaagccccga agcggaaaaa ccggatgggc cagcaggcgc gtcgggcact 1140
 ctgggagaag aagtacggtg ctgcggcgaa ccatataaag gcggagcagc agaaggggca 1200
 gaaaggtaaa ggaaaagggg gcagagatgc cgggtgggat ttgagaaaagg gtgctacggg 1260
 cgatggggat agggatcgag atcgtggaag gaagaagttc gggactgggt cgaatgctat 1320
 ggctatgagt ggggaaggata ggtttgggag tggtactagc accgctaaag agagaacgac 1380

tcaggggtgcg aagagcaaga agacaaagcc gcaggatgat aagccattgc atccttcttg 1440
 ggaggcggcg aggaaggcga aggagcagaa ggcgacggca 1480

<210> 19966
 <211> 1482
 <212> DNA
 <213> Aspergillus nidulans
 <400> 19966

ggcaccgctc ggtgtgatac atggcaacaa ctccatagctt gtcgactcat ccttgggaatt 60
 ggggtatgct gtatatgaac ttacagacca tgataccaag ctaactagtc ggaatctaga 120
 taggtgcaaa ggcgtccatt gccccagtgt ttgcagccga agtagccgca gaccatttac 180
 gaggccggct gctgatgatg tggcaaattt ttgacacggt gtacgttttt actcagaata 240
 ttaccgccat ctgctcagtt actgagatat taatctattg caagtggat tttcattggg 300
 ttcctatgct actggattgt cggccgaagc tggcgcggcc ttctcggcag cgccgcagtc 360
 cctgccctta tctccttgt cctcgtcttc ctgtgcccg aatcgccccg gtttctcatt 420
 agaagagata gatacccaga agccttcctg agcctccgcc aactacgggg ctccgatatc 480
 caggctgcca aagacctata ctacatccac gcgcagctgc aaatagagac tgaattgatt 540
 aatgggaagc ggccggagga gtggtgggcc aaagaggtct atcaggaaaa ggtaaaggca 600
 cagtcattct tccagagagt tggggctctt ttcagtgttc ggaggaacct gagggcttgt 660
 attgcggcgt ttctcgtcat ggcagcgcag cagctttgtg gggtgagtga agtgtggcca 720
 tacatactct ttggtgctct aagattttat acagatcaac gtcctttcgt tctactcgtc 780
 tacgttgttt cgatcagcat cttcaacttc tagtactaat aacacgacgc taagcgattt 840
 ctggaatccc gctgacattg tcaactgcga aatacccatg gacgatacag tcgcgtggct 900
 gaacttcggt aggctacca caagtccaga tcggttccaa gcactcatat gatctaggat 960
 tcggtctcgc caacttccta ttcacaatcc cagcgtatat gttcatcgac agaagaggcc 1020
 gtcgtatcct ttgcttgtc tctcttgggg ggatgttctt caccctggtc gcaaccagcg 1080
 gggttcttct gatcatcacg ccagacgatg cacgtaaagg cctcgtttct acgtttacaa 1140
 ttgttggtgt tacacttttc tacgggatcg gggctggccc tgttccattc acattcagtg 1200
 ccgaagtctt ccctctggca ttccgcggta agtatgctct acaaacttct tgggtgcatca 1260

tgcgcgtttc tgacagcgag actgaattac agaggtcggc atgagtttca gcgcatggt 1320
 gaacttcac gccctgagca tcttgattct ctttgtgcc ccgctgacta ctgccttctc 1380
 gccggatgac cccaacagag ataaggcgcg tttagtaggc cagtctaatt tgctcttttt 1440
 ctttacgtat gtgcttcttt catcttgaca ctggaaaaat ag 1482

<210> 19967
 <211> 1482
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19967

tggaatggat tctgcgagct ggaatcggaa ccagtatgta tatcttgatt tatgttgccc 60
 caccatact cataactcaaa aggctctctt caatgtgatg ctccgggaat ttggagttag 120
 aggtgtcaaa gttcaagaga ttgtatcatt ggatgatgaa ctcttggtt tcttgaagta 180
 agggctctctg agcctcagga tacatgctgt atactgagca cgcgcaaata cgtacagtaa 240
 gccagtttac ggcattatat ttttgttccg ctggcaagaa gatgatccag agaaacagga 300
 agcaagctgt cctgaaggac tttggtttgc aaatcaagtt cgtattccca gctctatatt 360
 caccgtcttg ttgttgactc acgggcgatt gtcattgtag acagcgaata atgcctgtgc 420
 tagcgttgct ctctgaaca tcgtcaacaa cattgaaggc gcagatctcg gagagaatct 480
 tcggagcttc aaagatttta ccatgccatt tacacccgca ctgcgaggag acgcaataaa 540
 taactttgaa ttcgtcaaaa gaatacataa ctcgtttgct aggtacataa tcataagcag 600
 ctacgattgt caagtggatc taacattgcg cgtaggagaa tggatatgct caattccgac 660
 ctccagctta aatacgaggc ggcattcaag cgcaatcggc cgaagaaaag tagccatgag 720
 gagcatgagg ctgatgcggg attccatttt attgcctttg ttctgcctt ggggaagggt 780
 tggaagtttg atgggttaga acgccagccc caggccctcg gttcgtgctg tgtaatgaag 840
 gaacatatgg cgatgttgct aatatagact ataggtgtat tcgagccgga aagcgattgg 900
 ctagacctgg taaagccgaa catagaggcc cggatggata aatatgggat cgagttctca 960
 atcctgagcc ttgttcgaga tccgctaccg gatcttgtca accgactcgc agtgaacatt 1020
 aaacagctgc aggcgattga gagggctata aaccacaaa agccagaact gggttgtgac 1080
 gaatcgtcgg ctagtgaacc ccttgatgag aacacctctt tgggccccga tgaatcttac 1140

ggcgtagaccg aagaagcctt caacaaggca gctatgcctg ttggggaagc agaaaaatat 1200
 tcagggttta cagcagatga attgtcaaaa caccgcacgg aactgagcag ggcacaacta 1260
 gacctccgaa cggctattcg agaggaacag cagtcgcagc gggcagacga agagtatgcc 1320
 gagggggcgga gatatgatta tggaccggca ataagaactt ggctacgctt tttggcccgg 1380
 aagcggatta ttgaagactt gattcccata tccaacagc gatggtagaa cgaatatggg 1440
 cttagttgcc ctgattggaa gatactctac ttacagttgt gc 1482

<210> 19968
 <211> 1483
 <212> DNA
 <213> Aspergillus nidulans
 <400> 19968

tcccgtagctt gtgcgggttc gagacacaga tactgggag cacaagcccg ttctgcgacg 60
 tctttacgaa gaaggagatt ctacagtacg agtatcgtca ggatctgcgc tactactacg 120
 gcacgggtag gagtcggagc cagccccttg agtggtgaga tgactgacgc tggccgtagg 180
 tgcgggtgcc ggcaagaata tgaccgtcca gttcccagtt ctacagggca ttgtaaatct 240
 tcttaaggaa ggccctaacy ccaccacaga gacgagcagt ggctcagaga agcttccacc 300
 tctcattgtg gctttcacc acgacaacca gatcaacgag ctagcgtcta tccttggcgt 360
 cttcgacaac caagaaccgc tctccgcgca gcgaatcgat agagatagag tgagtttgac 420
 atcactatcc acagccagct agtctaacct ccttagattt tcgttagtag ccgcacatcg 480
 cccatgaggg cgacaatcgc tttcgagcgt ctgaactgca aggcccgcaa gggcaattca 540
 gtcaacgtgc gtattctgct caatgatgct gtttaccgta agtggattca agagtccagg 600
 ccgcttcttt gctcaactcc atttgacaaa ttgtcctagc tgtgccttcc tgtcgggtccg 660
 gaccaggtca aagctgccct gttgacgaat acgccaagta tgtcgccaaa aaaaagcgca 720
 agtatggctc atatgcgtct gtttgtgggc tttcggagga cgagttgacg accattgggtg 780
 aggacgaatc tgtcactttc ttcaagaatc tgacgttgcc ttttttgaat attgttaagc 840
 catgatttgg gcaagatcat gtggtcggta tctttgcttg tctacagtga attgagcata 900
 tatgagctat taatagtga tgggtgcaag atcagctcgg tgaatatctg gtatatagcg 960
 aacctgtct cttctacagg ttattttacc tttctcaatc tctacatggg ttttatctaa 1020

atatcccgc tctacttta acctcctata ttggaacctg actatccgtc tgccactttt 1080
 cccctccaac cttcgtttac ggagtacacc ttctacacaa caacacaaca cccaccatca 1140
 aaatggcaat cctcagcacc ctccgacgca aaaccggtct ttctcccta acactcctcg 1200
 tgaagcttct tcgggctatc attgtttcag tcgtccgttt caccataaag acaaagccgg 1260
 acccagatct catcgagtac attccatcaa tcaccatctc tccctcgaaa aagtctgaaa 1320
 ccacaattac agctccatca ccaaccaca acataaaggt acacatctac aaccacctc 1380
 cagcccaatc acaaccgcaa ccaacaactg acaaatccaa cccaagcccc gtcttaataa 1440
 cggcctgcgg gtccggcttc ataatcccag gcctaggcct cga 1483

<210> 19969
 <211> 1486
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19969

ggtctgggag agatggccac ttgggttacct cgctcttctg gtttcaactgg ttatgccgtt 60
 cgcttctgcg atcctgcctt ggggttttgca ttgggttata cgtaacgtgc caatgattcg 120
 attcgcgcg aatggctgct gacagcgatc ttgcagatat tggtttaaata acattattgt 180
 cagcccaat caattaacag ccgctgcgct gggtatacag tactggctgc ccgccgacaa 240
 agtcaatcct ggagtctgga tcacgggtatt cctggctcctg atcgtcttca tcaattactt 300
 tggcgctcggc ttctttggag aattcgagtt ttggctctcc tccttcaagg tcgtcgtcat 360
 agtcggcctg atcttgcctt ccttcacatc tatgctggga ggcgggtccc accatgaccg 420
 caagggcttc cgctactgga aggaccctgg cgcgttcaat tcgtatattg acatgggccc 480
 cgatggtaac gggtccgctg ctggacgctt ctacgcattt tgggcgacgc tggtttctgc 540
 cacctttgcc tatctcgga cagagctggg tggagtgact gtcggcgaag ctcagaaccc 600
 acgaaagacg atcccacgcg cgatcaagct gaccttctac cgtatcatct tttctacgt 660
 gatcagtgtc ctgctcgttg gcacactggg cccctacgac agttcagaac tcaaacaggc 720
 aaactccgcg agcacctctt cggccgcctc cccctttgtc ctggcgattc aactctctgg 780
 catccccgcg ctccccaca tcctgaacgc ctgcacatct gccttcgtct tctcggccgc 840
 caactcggat ctctacatcg cactcgaac catctacggg ctcgccaagg aggggaaagc 900

ccccaagatc ctcacgaaga ccgaccgccg cggcggtcccc ttcgtagctc taggcctctg 960
 caccctcatc gccctcattg cctacatgaa tgtttctagc agctccaaga ccgtcttcaa 1020
 gtacttcgtc gacctcgta gccaatttgg tctgctcagc tggatctccc tctcgtcac 1080
 acatatctgc ttcgtcaagg cgcgcaaagc ccaagaaatc cccaagaacg agctcgcta 1140
 caccgtcct ctggcgctct ggggctccta tttcgccctt ttttggtgca ttgtcgtctc 1200
 cctaaccaag agcttcgacg tctttactgg tgacacattc aactacaaga cttcatcac 1260
 ctcttacctt ggaatcccc tctacctcat cctcatcttt gggtacaagt tcaccacccg 1320
 gtgcaagcgt gttctgcccc acgaggcaga cctctacact gacaaggacg ctatcgaccg 1380
 tgaagaggcg gcgtatcttg cgcggcagga ggcgaagagg gctgcgcagg gcgccaacca 1440
 caagcaggcc aattggttct acaagacttt tgtctcgtgg ctgttc 1486

<210> 19970
 <211> 1488
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19970

cctatcagag aggatgcggt ctttggtgaa atcagagaag gcggcgtcaa ctaccgcat 60
 gtaagtggcc catggctggt ttgaataaga ttgacctaat caagtcgtgg tcaggttggc 120
 tggaaggga cgacagcctt gatgatgaag gccagctgg ggtcggcgt tctgtctatc 180
 cccaggtct tcgacacagt cggcctcata ccggggatcc ttattgtgtt ggcgatttct 240
 ggaatgaccg gctgggtcaa ctggatggtg ggcgtcttca agaggcgcca tccagagggtg 300
 tacggaatcg atgatgttg gaggatgcta tttggccgga ttggcttcga agtgctgggt 360
 gcggcgtata ccttgctgta gtgatattcg ccatacgtc ttttacttgc taatgttccc 420
 agtttggatt tttgtctcgg gatctggcat gttgagcgtg tcaatcgccc tcaacgccct 480
 ctctcgcac gccatctgca ctgcaatctt tgtggccatt tgcgctgttg tcgggtttgg 540
 gctttcgagt atccagacct tcgcaaaaat gagctggctt gcatgggtag gtaccgcctg 600
 tatcattgtt gcgggtgagt gctctactac tctttgtagt tctctttcct gaccggtccc 660
 agtgtccacg gtaacaattg ccgtcggagt ccaaggccat cctcccga tgcagggcgt 720
 cgtacccgag gctgactaca agctgttcaa cagccccagc tttgctgaag ccatggccgc 780

ggtctcgacg gtgtgcttga gctacgccgg aacgccggcg ttcttcaaca ttgcagccga 840
 gatgaaagac cctaggtctt acactcgggc ccttgcaatc tcccactcaa tcattacggt 900
 catctacatc gtgtgtggga cggtcgtgta ctactactgc ggttctcatg ttgcatcgcc 960
 agcgctgggc tcggcagggg cgctgatcaa gaagatctgt tacggtatcg ccctgcccgg 1020
 cctggctggtt tccatgggcc tctccttca tgtaaagtcc tctccctctt cgaatgaaag 1080
 cacgcttcgc tgactctccc agctaccgc taaacagatc ttcgtccgca tgctccgagg 1140
 ctctaaacat ctacatccc acacgtgat ccattgggta gcctgggttg ggtcgacctt 1200
 cgctgttgct ctgattgcct acataatgc gagcggcatc ccagttttta gtacgcttgt 1260
 ctcgttcgtg ggcgcctgt tcggaacacc gatgtgcttc cagccttttg ggtgtatgtg 1320
 gctatatgat aactggggct ctgggacgtc gggaagcca ctaagctggt ggttcaagg 1380
 ctgctggagc agtttcatgg ttcttgccgg gtgtctcttg actattgcag ggacgtacgg 1440
 gtctattggt ggtattatcg attcttataa cgctccggg ggttcaag 1488

<210> 19971
 <211> 1490
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19971

tttttgtcct cttaccgata cccaagcaca agcatatgag agacttttag acagtgatat 60
 catccattac attaagacct cgaccaataa atgcgactgt ggttccggga ggaaggccgg 120
 gtggtgctgc catcaatatt taccctcagg caggcgttg caaacttacg tgtttccagc 180
 tatgcaaatc ctgcagaagc tgagcaatca tcttgctatc ctcatccac agagcacgga 240
 ctcgtttgag aagcaggaaa aggacaagga gatgctggag attgcggtgc ctgatgagtg 300
 ggagaggcta tatcgacga gagattcaat aatcaactat gctgatgctg aatattgcgg 360
 taagtggaaa gtcctcagga aacttctgaa atggtggcac ggaatgggg acaaggttct 420
 tgtgttttcg cacagtgtcc gcctcctgaa gatgttacag atgcttttca accatacaag 480
 ctacaacgtc agttacctgg atggatcgat gacctatgaa acccgggcca aggttgtcga 540
 cgagttcaac tccgatccgc gacaattcgt gtttttgatc tccacacggg ctggcggagt 600
 tgggctgaat atcacatcag caaacaaggt cgtaatcgtt gatcctaact ggaatccgtc 660

ccacgatctc caagcccagg atcgggcgta tcgaataggc cagacacgca atgtagaggt 720
ctttcgccctc atatccgccg gtactattga agagattgtc tatgcccggc agatctataa 780
gcaacaacaa gogaacattg gatacaacgc cagctccgag cgacgctact tcaagggcgt 840
gcaagaaaag aaagaccaga aaggtgagat ttttggccctc cagaacattt tcgaatacca 900
aaacgacaac attgtgctgc gtgatatcgt caacaagacc aatatcgccg aaagtaaagc 960
cggcgtacag gtcattggata tcgaactgga actggaagaa gcgggctccg aggacggttc 1020
ctggagtaga aatccagacg acgatgatga agccatgagc caacttgccg ccagaatccg 1080
aggcgaaaca gacgacgaag ttatttttcc ccaccggcaa caatccacaa ctccatccaa 1140
acacgacca atccaagcta tcctcgccgg cgcaggcgtc gaatatacac atctaaacaa 1200
cgaagtgtgc ggctcttcta aagtcgagga acaactaagc cgccaagctc agctagctga 1260
ggatgacagc ctggccaacc tccaagtctt ctgcgactcg caagatgagg tcgccggtgc 1320
ggttgtagct ccgacattcc agaaaaacgg ccgaccggtg acatttaagt accatcccc 1380
ggaagacgtg atgaagcgcc agttctgtag catggcgaga cggtttgggt tcccgaatgc 1440
gacggaattt gcgcttggtg ttgagagcat gacgcaggct gagaggaggg 1490

<210> 19972
<211> 1493
<212> DNA
<213> *Aspergillus nidulans*

<400> 19972

atcccgctct caatctgccc gcaactccggc gtcgcgtaac ccgtctcgtg gggggcctac 60
ttcagatttc cagatgggag cctttggtgc accatcccggt ttgcctccag gcaccacgtc 120
tgaaatgcgg tttgcgttat ccaactcacg ccctgcatcc ataggcagcg cattctcatt 180
cccacgaatg ggcattgggca gtggtgttac tccgctcagt cgcagcaact cttctcaacc 240
catgtcgccct cgtgcagggt cgggcaggtc taacacccgc acaggcagca agcgcgagaa 300
gcagcaggca aagaaagagg aggatatggc caagtccatg cccctcacag ccggaaagga 360
ggtcccgggt ctgcaagttt ctgccactgg atggaaacct cgcagtattg gccaggctgc 420
cgctgcttct ggtcctacac ctggtggcca ctttcccccg gatgttggtc agcgtaaagg 480
caaggccgct ctaaataaga tgacgccgga aaacttcccc cgtatatcca gtcagattct 540

ggagattgtc tcccaatcca aggatgagtc tgacggacgt acgtccgac aagtcattca 600
 acttacattc gagaaggcca ccgatgaggc aactgggct tccatctacg ccaagttctg 660
 caagactatg ttggagagca tgagcatgga tattaaggat gagaacatca aggacaagaa 720
 cggcaatggt gtggccggtg gtagtctgtt ccggaagtac cttctcaacc gttgtcaaga 780
 agaattcggc gcggttgga aggtcaacct cctcctaag cctgaggggtg tcacggagga 840
 agcggctatg atgtccgacg aatactacgc tgctgctgct gccaaacgtc gtggtctggg 900
 tctcgtcaag ttcattggtg aattgttcaa gctgggcatg ttgacggagc gtatcatgca 960
 tatgtgtatc aagaagcttg ttgattatga gggcactcca gacgaagctg aggtcgagag 1020
 ttgacaagt cttctgcgca ccattggtgc tgccttggtat tctcccgaca atgagcagaa 1080
 ccgtaaatTT atggacgcct acttccaacg catcaacctc atggttcaga ctccgaactt 1140
 gcctagtcgt ctgaagttta tgctaattgt aagtcattcca atttctgtat ggtgacaaca 1200
 gcatgctaatt ttttttttca ggatattatc gatctgcgta atgctcgctg ggtctcgaag 1260
 gatgctgaca aaggctcctaa gaccatccag caaattcgtg aggaggtatg tgtcttcaca 1320
 tctgttgaga tgattggttt cactaacttt tctaggctgc tcgtgcgcaa caggaggccg 1380
 agatggaacg tcagcgccag caagccagcc gcggaggagg tggacgcgcc gccatgggac 1440
 gtggtgatgc ccgtagctac tcgtctggat acggacaggt acccccgccg gat 1493

<210> 19973
 <211> 1493
 <212> DNA
 <213> *Aspergillus nidulans*

<223> unsure at all n locations
 <400> 19973

gattgcaaac cgcggcgaga tcgcctgtcg tattattcag acgtgtcaca agctcaacat 60
 agctaccgtc gcggtctacg tcaatgagta tgttctccct ttttgcata agacacgttg 120
 tcgctaacag aagcagagac acatcatctc gccatattag agatgcagac gaggccatta 180
 atattggaag cattgatcaa tgccctcgca atccgttctt agatggagaa ctcttatcc 240
 gcaccgctct gtctgtaaac gcggacgcca tccatcccg atacggctat ctcatgaga 300
 acgctgagtt tgctcggtcc atccgcgacg caggaatgat attcatcggg ccaagtgata 360

ccgccatgtc cactttgggc aacaagcgtg cggcaaaaga gtacctcagc aagcatgcgc 420
 cagatgtccc cctaatacct ggctacgtag gatcaagcca agacgcaccg gagcttagta 480
 ggattgctgc acagatcggc tttcctgtca tgctcaaggc gtctgctggc ggtggtggca 540
 agggaatgcg aatcatccgg gaagctggac agttgcaagc cgagttggag cgggcacagt 600
 ctgaggccct gcgttctttc ggatccgccg attgtattct tgagatgtac gttgagagca 660
 gcaaacatgt tgagattcag ctactgggag actcgtatgg agaggttgtc tcgttcttcg 720
 agcgcgattg ttcagtgcaa cancgacatc agaaagtcac cgaggaaacg ccgtgcacct 780
 ttctgacgga gaagacgagg caagagatga gtgctaccgc tgtgcgcatt gccaaactcc 840
 ttggctacga aaatgctggc accgttgaat tcgtcgtcga tgctgtgact ggcaagttct 900
 atttcctcga agtcaatgcc cgtctccagg tcgagcatcc catcacggag gaggtgacag 960
 gcgtggactt ggtctcgtc cagctctatg tagctgcagg gggaagtcta cgtgctctac 1020
 ctgcgctcca aggcctcacc caacaaggtc acgcaatcga atgccgcctc tgcgccgaag 1080
 atccacgcaa gaacttcttc cctgagcatg gcaagatcca tttgtggctg ccagcatccg 1140
 gcgtgctggg gccaggccgt gatgttcgct acgaggctgc agtacagtca ggctcctcag 1200
 tctcgatata tttcgactct atgattgcga agattgtcgt ctgggcaccg acaagagccc 1260
 tcgctataga gaaaatggtc aaagtcctcg cgcatacaat ctgcgctggg gtccaaacca 1320
 atcagcttct gatgcagcga tgccctcctgc ataaggcatt ccataaccct gcatacacia 1380
 cgtctttcct cagcttacat ctogatgagc tacttcacga gcctggtggc ctaattgctg 1440
 agatacgcga gtccttgccg atagtcccgg cagttgctct gcgtcacctg gcc 1493

<210> 19974
 <211> 1495
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19974

tcacacctca atttgcccc agactatgcc gatgttcgtg aacaaatcga aacactgcgc 60
 acgatcgcag caactccaga tttatcgcgt cgcggctatg tgcggcagaa acaatctgga 120
 aagctatggg tccgcgagcg gcttgaacag cttttagatc cgaatagttt tgaggaaatc 180
 ggctctttgt ccggcacagt agaattggaag aaaacaggac cgatgcgtga gaagccagtt 240

tcattcgtgc ctagcaataa cgttcagggg atgggaaagc tgcgtggacg gcgcgtgctg 300
 ctgacagcag acgatttctc catacgcagc ggacacgcag acggagcttc ggcggggaag 360
 acaatttatac tggagaagct ggccgttgca ctcaagctgc ctgtggtaaa actggttgat 420
 ggtagttctg ggggaggtag cgtcacaacg attcggaagg aaggatggag ctatctcccg 480
 tatgtgcaa tgtttcacta tgtcatacag caattgaatg acggcatccc caacgtcggg 540
 gcàgttctgg gaccagcggg atgctcccct tccaccata tatgcacacc tgctaatac 600
 ctcatagcgg gcttgagcc gcccggtgca cgtcgtgcca tttctccgctc atggccgccc 660
 acgtaggcgc cctgttcaac gcaggtccag aggtagtaaa gggagcaacg ttcgaagaag 720
 gcctcggctt tcaggacctt ggcgggcca tgatccactg tacgaatgga acgattgata 780
 acatggccgc taatgaagcc gaatgcttcg agcagctacg tacagtgctc tcctacctcc 840
 ctaactgcgg tcgatacaat gcgccccctg taatcccgtg cgatgaccaa gaaatccgag 900
 aagacgagtc tcttcgccgg attatcccc gcaacaaaac tcgcatgtat aatccctgga 960
 cgatcatcag aagcgttggtg gataacggct cattcttcga gattggagct ctctggggcc 1020
 gcaccgcaat aacgggtctt gctcggctcg gtggccggcc agtgggtata atttcgctca 1080
 actgtgaagt aaacagtggc gctctagatg cggcaggaag ccagaagctt gctcgacttc 1140
 tgaagctatg tgacgtgatg aacctgcccg tgctgcaatt tgttgacgctc cgtatgtact 1200
 ccgcccgtc atcgtgagct caatgatagc taacttcag tgtagccggg tacgcaatcg 1260
 gcaccgttgc cgaacgaacc gcgacaatgc gatggggtat cgaactcgca aaagcatact 1320
 tcagcaccac aacgcccatac ttcagcgtca ttaccgcagc tgcctacggc gtcgcccggc 1380
 gtgtgatgct cggcgcgaga gaccgcacg tccaggtcgc ctggccctcg ggacaatggg 1440
 gttcccttcc gctagatggc gggatcgagg ttggacatcg gcatgagttg cggga 1495

<210> 19975
 <211> 1495
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19975

cccctgagga agaggatcct acggaagatc gaccttcagt atgacgaacc ttgtatgcat 60
 gcgctcaata actggccgctc tcccaagtac catcccgggtg atgggcctct gctacatgct 120

ccagtacttg gacaaggtaa ctctgggcta tgccactcag ctcaacctac gaacagacct 180
cgtaagccta tccaccacc tgcctttcca ccgcataccta ttcaaagcaa acattacgtc 240
cttcagaatc ttcacggcag cgagtacagc tgggtgctctt cggctcttcta cttcggaaat 300
ctctttctgga gctggccttc cagctatatc tccgtccagt tcccgtggg caaataccta 360
ggcgcgtcgg ttgcggctta ggggtgtgtg ttgcgaaccc atgccgcagt cacgaacttt 420
ggcggccttc ttactgcccg gttcttctctg ggcgtcaccg aggcggctgt tgccgctagc 480
tttcgtcat catgggaatg ttctatagaa cctctgagca gccctcaaaa atgggtgctct 540
ggttcctcgg gaacgccgtc gccaatatcg tctccggctt gattgcgtat gggatcggga 600
caaacgaccc aaacatcgtc tggaagtgc tcttcatcat cgtagaatgc gtgacggctg 660
catatggggg ctttctggtc tttgtcctgc ccgactcgcc atcggaagcg tggttcctga 720
aagcgcataa gaggaagatt gccgtacacc gaaccgtcga gaacaggaca ggcgtgatgg 780
agaaggcgtg ttcagagcag atcagttggt cgatgctttg actgatccgc aagcttggtt 840
gctggtcggg tatagcctca cccaaaaata ttcccaacgg gaggtttttc ggtagtatca 900
atatgcagga agtgcagtgc agtgtatcga ggcgtgatct agggcgctga cggggaacag 960
ttcagcagta taattatcaa cggtcttggc ttcagcgagc tgaattoct gctgctcca 1020
gcacccggcg gtggtcttca gaccttgca ttggctgtca tctgctgggc agctacctac 1080
gccaaaaaga gtcggattat cctatgattt tgggtggcct ttttgcactt gtcggcggtta 1140
tcctcatgaa tacgtctccg gactccaatc gatggggaag atgggcaggt atcttctctc 1200
tcggtccctt cgcaaccagt attctcatct ctttgagcta aatacatcga atgttggcgg 1260
cttggcgaag aaggcgattg tctctacggg gcttttctct gcatattgca cgaggaacat 1320
cgtcggctct cagctgttct tgacaagaag gctcccaa atcccgttaag tagcatatcg 1380
tcggtggatt ttcatacctg gctgacagac tgcatagact tggctacgag gcgtccttgt 1440
tggctttgcc ctgcceatcc tcttctctgt ccggttttat atctactacg agtgc 1495

<210> 19976
<211> 1500
<212> DNA
<213> Aspergillus nidulans
<400> 19976

tcgcagtgcg cgacggagga acgggtttcc tcaaagtcgg atatgctgcg caggtacgtc 60
 tgtcaagtcg tcgagtttct cttctcagtc tagggctccg taatgacttt actcttattt 120
 tacagaactt ccccgagcac cagttccctt cgatagtggg gcggcccatc ttgcgaacgg 180
 aggaacaggc tggcgatatt gttgtcaagg atatcatgtg cggagatgaa gccgctgccg 240
 ccagatcgat gctccagatc agctaccctg tatgtccaca tcccgtcgtg tctacacctc 300
 gccatggaat gctcgcgagt tccgctcccc agattcccaa tggtagtggtg ttacactct 360
 ggggctgatt cctatgaccg ctatgtagat ggaaaatggg atcgtcaaga aatgggatga 420
 catgcaacat ctatggaact acactttcta cgataagatg aagatagatc ctaccggccg 480
 caagatcctc ctcactgagc cgcctatgaa cccgctgaag aaccgcgaac agatggcgga 540
 gatcatgctg gaacactata acttcggcgg agtatatgtt gctatccaag cggctccttg 600
 actatatgct caaggtcagt gcagaggcaa ccgaaaatta ctcagttgct gatctggcgg 660
 actctaggtc tcagcagcgg agttgtcgtg gactctgggtg acgggtgtcac cacatcatc 720
 ctgtttatga atctaccgtt ctaaatacacc acatccgccg actggacgtc gcaggctcgtg 780
 atgtcactcg gaacctcatc gcgctgctac tccgccgcgg ttatgcgctg aaccgtacag 840
 ccgacttcga gaccgtgcgc cagatgaagg agaagctcgc ctatgtgtcc tgcgacctcg 900
 aactcgatag gaaactctcc gaggagacca ctgtattagt tgaatcctac actctcccag 960
 acggccgtgt catccgagtc ggtagcgagc ggtttgaagc cctgaatgt cttttccagc 1020
 cgcacctggt ggatgttgac cagcctggta tggctgagtt gcttttcaac accatccaag 1080
 gcaccgatgt cgacgtccgc tctagtctat ataaagccat cgtgctcagc ggagggagca 1140
 gcatgtaccc tgaacaaccg acacggctgg agaaggaatt gaagcagctg tggttgacac 1200
 gagtactcaa aggcgatcca gaacggctga gcgtacgtca tctatcacac taactgctca 1260
 gtcactaag ctcgtgctga ctcgacacaa cagaaattca aagtccgcat cgaggacca 1320
 caccgcagcg aggcacatgg tatttttagg aggagctgtg ctcgccaatc tggtagcttc 1380
 atggttccct ttctactgcc gagctcatcc ctttacttac cgtatcatga aacagatcgc 1440
 agacaaggaa gacatgtggg ttaccaagca agagtgggag gaacaaggag cacgcgcgct 1500

<210> 19977
 <211> 1500
 <212> DNA

<213> Aspergillus nidulans

<400> 19977

gcattgccta ttcataaggc aaaaggaagc ctggtcattg cgggaacagt gaatgggaca 60
agcgcagttg acattaaggt tattcgcaact ggcaaggaca ctcagctcag caagattgtc 120
aagctgggtac aagacgctca aacaagccga gcttccattc aacgcatggc ggatatcgtc 180
gctggctatt ttgtaccatc gattatcagc cttgggttgg ttacattctt tggctggatg 240
tttgtgagcc acttgctgcc tcaccctccg aagatctttg tgacaaaaga aggcgggggt 300
aaggatcatgg tctgtcttaa gctgtgcac tcagtcattg ttttcgctg tccgtgcgct 360
ctgggactca gcaccctac agcggtaatg gtcggcacag gggttgggtg cactcagggg 420
atcctcgta agggcggtgc tgtactcgag gctgctacca agatcacaca tgttgtgtat 480
gacaagaccg gtactttgac aaccggacag atgagtgtca ccgaggctag aattgagcct 540
cactggagtt caagtactg gcgtcgta ctctgggtgg tgattgttgg gctggcggag 600
atgaacagcg agcatcctat tggcaaggca atccacttgg cagcaaagag tgaatcagga 660
aattcgggcg aagggtggact tccaggaagc ttaggcgatt tcgaagctcg catcggcaag 720
ggcatagctg ccttggttga gccagcttcc ggtgtcgaac gcgtccgcta ccgtgtcctg 780
attggaaatg ctgcttttct gcaatcgac agcgttgctg tcccagaatc agctgaaacg 840
actccagatg cttccgggta caagaattcc cgggtcggca tcacccaaat ccacgtcgca 900
atcgacggtc acttcgccg cactgatagct ctccaagata ccgtcaaggt aaccgccgta 960
gctgctgtag ccgccctgca ccgaatggga atctcgacct ctttgattac tggagactcc 1020
cgcgacagcg ccattctaat cgctcgggt gttggcatcg caccggaagc cgtgcacgcc 1080
tccgtctccc cttccgataa acagtccatc atcgcatccc tccaagagac aggcgatcgc 1140
gttgccatgg taggtgatgg catcaatgac tccccgccc tggccaccgc gtctgtcggc 1200
atcgctctcg cctcaggcac agacgtcgcc atggaagcag ccgacatcgt actcatgcgg 1260
cccagcagcc tgctctcagt cccggctagt ctgcctttt cccgttccgt cttcaaccgc 1320
atcaagctca acctcgtttg ggctgtggg tacaacatta tcggcctgcc cttcgcaatg 1380
ggactcttcc taccctttgg cgggtttatg ctcccggcaa tggctgccgg tgcggcaatg 1440
gcgctttcca gtgtctccgt tgtagtaagc agtctctct taaaattctg gagacgaccc 1500

<210> 19978
 <211> 1502
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19978

```

cggggcgaaa cctgatgacc taccacctcc caacaaaggg cagtctagat agatgggccc 60
aagacgtaag tgacgagagc tggaatttcg acaacatgct cccgtacatc atgaagtgcg 120
aaagggttcac accaccaaac aacaacctcc gcttcgcgaa tgcaaccccg acgtatgacc 180
ccgctgtcct ggggcgaaga ggacgactag acgtgactta ccctaactac gccaatggtc 240
ttgcctcgtg gctcgtccgt ggctttcggg acatcgggtc tgcgggccatc cgtggcttga 300
acggcggcca gcttattgga tccgcctata ccctaagcac catccagcct ggcaaccagc 360
accgcgcgtc atcgaagaca gcataccttg atcccccttat cggacggaat ttgaatctga 420
tcatctatca gtcgacgcat gcgaagcgga ttctcttcag caatgatact gtggccaccg 480
gcgtgcgggt cagctctgag ggacaggaat atacgtctc cgccagaaac gaggtgatcg 540
tctcggcggg agcattcaaa acgcctcagc tcttgatggc ctccgggata ggccctgcgg 600
ccaatcttga gcgttatggc atcccgcttg tggcggaccg accaggcgct ggacagaacc 660
tgcaagacca cactctcgtc ggccccctcat acagagtaaa cgccattacc ggctcctcga 720
atagcatccc tgagttcata accgaggcgc aaagacaata caacagcaac ccaccacgcg 780
gcgtgctcac gaatactggc gtagacattc tgggctggga gaaagtgcc gagcaactgc 840
gaggcaactt cagcactgag accgaagacg cctcgcag cctcccagag gactggccgg 900
aactcgagta cctacctgtc tacggctact ttggggatca aaacaactac atggtcacgc 960
cgaatgatgg gttcaactac ctgaccatcg ccgccgcagt ggtttcgccc ctgtccagag 1020
gcacagtgga tatcgcttcg aacgacaccg aggtaaatcc tatcatcgac ccgcgctggc 1080
tcgcgcaccc gggcgatata caagtcgccg tcgccggatt tcggcgctcg agggcgctaa 1140
tggcgctccc cgcgatggct ggcattacgc ttggaggcga atcgtatccc gggacagacg 1200
tgcagaccga cgatgagatc gtcgagtggc tgcgcgaagc atccaacacc gttcaccatg 1260
cctgctgcac ggccggcatg ggcccacggg ataaccctga ctcggtggtc gacacgcagg 1320
gaagagtcac tggggtttct ggcctcagga ttgtggacgc ctcgatcatg ctttcccttc 1380

```

ccccagggtca ccctattttca atcatctgta agttctcact tgcatacaatt gctgggatcc 1440
 taatgctaac gttgtcttcc agatggtcta gccgagagaa ttgccgagtc gattcttgct 1500
 ga 1502

<210> 19979
 <211> 1503
 <212> DNA
 <213> Aspergillus nidulans

<400> 19979

tttttaggaa cccatttttg aagccgtgtc taaaaccatt atcagctctg atatttcagc 60
 tctgatagta cattgaacac agaacgcgat atgtccacca cctcgccctac ctgcgcgacc 120
 tcatccacct caacttcgac cttcgccctca agcccaaccc tctcaccga caacctgaaa 180
 agacaacctc aaccgtccgc gtctacaaac caagttccta ctgtgggctc gctgaagaac 240
 ttcaaacgct cggctctgta caacatccac acatccgtcc ctgaagagga cgcacaccgg 300
 cacgcgcaca ccacctcgcc cactggatgg acgcttgacg aagccggctg caaccagatg 360
 atgaaagcgt cgtaaccgg tctgcttaac tgccaggaag tcaagagcgg cgcggcgagc 420
 gcaccgtgca gaacatgctt atgaataccg aaagggatct ccgacgcgcg cgaagagcca 480
 gtttgaggac tggggcggtg agtgcaaaga gaagcacgaa cgcgagtcca gatctagctg 540
 tcagatccaa taaaggctct ctagatgggc cgaaggggga taagtgaacg aaccaactgc 600
 cgtgcgatgg gatatcgttt ctttaaacad gccgcgtcca gaaagcggat gagagcgatt 660
 ggcttgaaac atctatactg gaaagcgacg caatcacctc tacaattcca accgccgaag 720
 ggcgctctcag agaagcgcca ggctcggtgc catggcagga aaaggggctc atcccgcgct 780
 tcatgcaacc gatccttcta ttgctagtaa agccaagtct atagcgcttc tagaacaatc 840
 aaattgtggt aggatgaatt ctaggccatg aattcttagc cttgaatcct aagccggatg 900
 ggaaatccat cgctgtgtat gtagtatgac gtgttatgac tgccgctcct gattggctgg 960
 ccgctattac ctcgatcatga agtcatgcgg cggccatatt tatattgaca gagagtcctt 1020
 tcggttctgc aacatctaac gacgactttc agaatttata acgttcagaa tgacaatgac 1080
 tatctcagct ctccccctcc gccgcaccgc cggccttctc tcccgcaccg gcctcgctgg 1140
 cagtacgtcc ctcaactgca ctgtaaaaca agccctaaca agaccagcac ccctccgctt 1200

cgcaagcacc aagaaagcac agagtacgaa agaagccgac ccagccttta gctccaacgc 1260
 caagaacccc gtctccagca gcggcgcctc acaatctatc aacctgtcgc gcggaagga 1320
 agctcgatcc tctgatacag cggatacgcg atccgtgcag agccctatctt cgtcacagga 1380
 tggaccgacg agcgagcagc atgccggaga ggagcagacg agcgcgagacg caatgatcaa 1440
 gaatgacccc agcgaaccgg ccgagaaaaa gagggcgaat gtagaagcgg cagggaggag 1500
 gaa 1503

<210> 19980
 <211> 1504
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19980

gccggtaccg cgagaaagac cctgggcctc tgtctgctcc tggtagtggt gatactatgg 60
 accgcgtcga actttctggc tagtgtaggt atttgtccga actgtcttgg attctcaaac 120
 aagaactctc acactccttc tcacagacta tcttcgccga tgatacgtac tccaaaccgt 180
 ttttcgtcac ctacctgaat acctcaatct tcactctgcc actcttcaca atcgtctcca 240
 gcaggctctg gagtctcttc cgtgcgggga aattatacca gatccagtca tttgaaaccc 300
 tactacaacg ctttgattcc agttattcaa gcgctgaatc tgagcgcatt ctcaagtcatg 360
 accatggcac tggctctggc gccgattttg ggcatgggca tgggcatgat gggtccggag 420
 cgtggagcgc ttctaggaga ggtagtgtgg gtaaaggcca tagaaaagag aaattaggtc 480
 tgaaggagac cgcaactga gctttcattt ttgtttgttg tgggtgagtt gtccctcaat 540
 cgaacttttg cgccgtgctt tcattgtggt gaataatggc taatggagtc cactagttta 600
 ctgtaagtga tagggcgcaa catgggcctt cctgaaatat gtgttgatca actgcatttt 660
 aaatgctagg caaactactt ctcaatggca tgtctacaat ttactaccgt cggcagcacc 720
 acaatcctga catctaccag cggatatgta cttaacctac acatgaaccc aagacacaca 780
 atcttaaata ataacctgcc ccaggcgtat ggaccctaata ctttggcgcc gtgctgcgcg 840
 tcgagaaatt caccggccgc aaatttctcg gcgtcatcgc ttcactgcta ggcataatcc 900
 tcatatcccg cgtcgacctc tccgcaaccg acgaccccag cgccggccgt gatggcagtg 960
 gaagcacatt cccacccaaa tctgccggcg agatcgccct aggcgacgcg atggccgctt 1020

tcagcgccgt aatgtatggc gtctacacgg tcgtgctgaa gcgacaagtt ggcgacgagt 1080
cccgcgtcaa catgcagctc ttcttcggcc tagtcggtgt cttcaacatg ttccttctct 1140
ggccccggttt cgtgcttttg catctaactg gtgtggagcc cttcgcccta cccaatacca 1200
ggagagtctg gatgattatt ctcatcaacg cgctctctc tctcctttcc gatatctggt 1260
gggcgtatgc gatgctgctt acgtctccgc tcgttgtagc ggtggggctt agtctgacga 1320
tacccttttc gctggtgggc cagatTTTTT tgcaggggga gtatgcaacg cccttatatt 1380
gggttggggc gacgattggt tttgtttcct ttttggttgt caatcatgag aatcaatctc 1440
aagaggctgt gcaggggtat gatgttcttc cgggggacga gagagggtat taagtagtac 1500
atga 1504

<210> 19981
<211> 1504
<212> DNA
<213> Aspergillus nidulans
<400> 19981

ggcaccctc gaccggaatc tccgtcctca ttgtcggtagc tggaatgggt ggactgatga 60
cggcgtaga atgctggaga aagggccatg atgttgctggg aattctagaa cggagtgagg 120
gacctgtgta ttcaggtatt ttgttgatac gtctcgtgta ttccccaga gcatgagaaa 180
ccgagtagtt aactctatac tttctcgaga taggagatat cattgtcatg cagccttctg 240
ccgtatctat aatccggcac tggcccgaca tgctccatga tatgaaagcg gagcaagtcc 300
acgccgtcgt tagctacgaa actcatgatg gacggcacat ttacggccca accgtcccct 360
cgttcaatga ccccgagcac ctggaaacac gcaaaggtcc atttggtgcc cccgctcagg 420
ttcgccggaa attctaccgc atgctcctgc gccaggctgc aagggtcggg ctccgcgttg 480
aatatggaaa gacggtgaag agctatTTTt aagatgaaaa ggatggcaag ggcggcgtta 540
taatcgcaac aacaggagaa gcagaggatc agtggtgctga tatcgctggt gcagcggacg 600
gcctcaaatc tccttcagag atattgatag ccggtcagca tgttcctcca agatcaagcg 660
ggctgagtat ctatcgact gcatttccga aagatttagc aatgcagaat gagctcgtac 720
ggaagcgatg gagcgatagt ccacccatct gggaatactg gcttggaccg ggcatgtatc 780
ttggtgtctt cgtcggcgac gatattatct ccttcggatt cacgccccgt gatgacatcg 840

ttgaagcaca gccactgaat catgggagcc tgatacagat cccgagactg tggcgcaggc 900
 tatgtctctcc ggtgcaggag actgggatcc cgctgtgcta gcgctcattc gaagcgcgcc 960
 gaaaggcgca attgttcatt ggcctctcct ctggcgggac cttcgccgcg agtggacctc 1020
 acctgccgga cgggtagtgc aagtcggcga cagcgcgcac agcttcattc ctacctcagg 1080
 aaacggaggc tcgcaggcct tggagacgc aatcacgctt gcaacatgcc tccaattagc 1140
 cggaagctcg cagcgtgcat atcttgggac caagatctac aatcttctcc ggtatgagcg 1200
 ggtctcttgt gcacaaaaaa tgtcgttcgt gaattctcag ctgaagacgg gcacggactg 1260
 ggatgcgac tcggaaggatc cggcgaagat caggacaagg tttcctaagt ggatctttca 1320
 gcatgatccg gaggcgtatg catatgaaaa gttcggcgag gcgtttgcgc atttacttga 1380
 tgggagagag tttgtgaata cgaactatcc tccgggccat gagtttaggg cttggacggt 1440
 ggaggagggt tggaggaata ttgcagatgg gaagagagtg gaggatttgt tggatggtga 1500
 ttgg 1504

<210> 19982
 <211> 1507
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 19982

atggctaccg ttgcggtggg cactcctcta gcggaggcct tgagcaatgc tattcaacca 60
 aaactggtgg agatgggctg gagttctgat agtagcgatt ccgcgctgac tgagtacgtt 120
 attttaatgc tcgtcaatgg caagactcag gaacagattg ccagcgaact ctcaaacgat 180
 ctctcggggc taggcgaagg cgatacacia gcagtggatt tttcaagatg gctctttgag 240
 caagtcgacg ctttcaacca gcaaatcaat ggccagagtg cacagacatc gaatgacaac 300
 gcccaagcga ttccgtcatt tgacgaccaa gagaccacia cgtctcaggt gcaaggccat 360
 gaaaaaggac cccagtcatc tgatacgaac atgagtgcgc ccggaatttc cgccttgga 420
 tgtaggtatt cattgatgaa aaagacttga aatcatacta atgtcgccgg gacacagacc 480
 tacgggacca aagtcaatgc gcaacggccg tcaaggcggc caggcaggtc ggggtagaat 540
 gctcaaccag atcaaccgaa acctagatcg cggggattct ggattgcac gtattcgca 600
 ccagactggt ggcggccgaa taaactctca ttcacgcggc ggaaacaggg gcgggcgctt 660

taaccagaac ggtaatggaa ggctgtttgg tgggcgcggg ggcatgggta tggggaacaa 720
 ccagatggca ggtgctgcgg gcaacctgat gaacatgaac ccgaacgatc agatgcatct 780
 gatgtccctc cttgaagaac aagcgaggat gatggcacia ctcatgcccg gttttgtctc 840
 accggcaata aacccggcgt ttcagcagtc tggcccacia cgctccttgt cggaccgagt 900
 tgaacgcca agagggcccc gtcaacatgg ggcctttgga aatcgagcgc aacgtgcaga 960
 ctgaaaaat aacgacaccg atatggacat gacttccgac ggtgccgtgc aaaatggcca 1020
 ggatgaaaac aacacagata acatttgcca tttcaacctt cgctgcacga ggaaggactg 1080
 ccccttcgcg catcagtctc ccgctgcccc cgaggggtact cctgttgatg tttcggacgt 1140
 gtgctcttat ggtgcggcgt gcaaaaaccg caagtgcact gggaggcacc cctcgccagc 1200
 tgtgaaatca gcccatcaag cagaagaact ttgcaggttc ttccctaact gcacgaatcc 1260
 tcaactgcat ttcaagcatc cttcgatgcc gctgtgccgc aatgggtgctg actgttccac 1320
 ccccgactgc aagttcacgc atctccagac tgccctgcaa ttcaatccct gtcttaacct 1380
 tacttgcct tacaagcacg ccgaaggcca gagaggtgca tttgccgaca aagtctggac 1440
 cgcagactcc gctaaagcaa aggcacgcat tagcgagcgg aagtttgtca acgacgagga 1500
 tgcccc 1507

<210> 19983
 <211> 1508
 <212> DNA
 <213> Aspergillus nidulans
 <400> 19983

cgcttcgcca agcaagagca ttccgtattg actgcttgaa atgacagggt cggaatgtca 60
 gccacgacac tcagcctcgt ctggaactgg cagagacatc catacactgt cttgggacgg 120
 cgaccacgat cctgcaaacc ctttcaactg gtcgatttcg cgaaaatggg ccgtgacata 180
 tctcgccgcg ctgatcagct ttctgactat gatgaacggg actatcatca cggttgcgca 240
 ctttgagatc gcagaacttt tcaatattga cgagacggca tttcctcata catactggcc 300
 agttacaaca tggccgctcg cgggtgcattc tctgctctgt tcctccttcc tctggcagag 360
 gactttggga ctcggcctgt cttcctcgtc acatacttcg cgtttgtctg cttcctcatc 420
 ccgcaagcag tcgctcagaa tttcgccaca ttggttgcca cccgtttctt tgccggtgct 480

tgtgtcgcca tcttggctaa tacggctgct ggggttattg ggaatgtatg ggatactgag 540
 tggtcgagat caatcccagt cagcctgtat atcttcggct acatggccgg tagcagtatg 600
 ggtccgggta ttggagccgc cgttctccag tccttgtcat ggcgggtggat aggctacatg 660
 cagctcattt ggtttggagc tctgttcccg atctactact tcttcttcta cgagtcccg 720
 ggcgacatta tcttggcaca acgagaccga aaaatgggca aaaacggcaa agacatccta 780
 cccggacacc ccgcacattc caagctaaac cttcagaatc tcgccgtcag ctcaacaaga 840
 ccagtcatcc ttttctgtac cgagcccgtc ctcttcgtct caaccctctg gtctgccttc 900
 actgtaggaa ccatcttctt cttcacccaa tccgtcgaac aagtcttcat tggcacttac 960
 gactggacca tctccaaaac aggctacgtc caagccgcgg tcgtcatcgg cgaaggaata 1020
 ggcttcttct tctcttctt ctcccgtaga ctctactttg catctgcttc ccgcaatacg 1080
 gaggttccca atagectcat ccagaagca agactctaca tggctgttct aggcggcctc 1140
 ttccggcatct ctgcgggaat gttcacatac gcttggacat cgtacccctt catcccatgg 1200
 attgcaccgg caatcagctt ggccatggtc ggcgccggtg gcgtactcgt cgtaacgggt 1260
 gtatctgact acgttgtaga cgcctacagc cagtacgcgg gcagcgcgat tggagccgtc 1320
 gccaccggcg agaatatctt ctctgcgttc ttgccgctcg cgactatgag tatgtataat 1380
 aatcttgggt ttcagtgggc tagtactctg ctggcggtcg tgctcgtggt gcttgccctt 1440
 gttccaacgt tgatgtttgt ttgggggagg gaggtgcgtg ctaggagtcg gtttatgaat 1500
 gagttagc 1508

<210> 19984
 <211> 1508
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19984

ccgctgcttg ttgcagcctc gcctgttggt gtcgactcga ttcacaacgg agccgctccc 60
 atcctttcat ctacaaacgc taaggaggtc ccggactctt atattgttgt cttcaagaaa 120
 cacgtagacc ctgttgccgc ctctgttcat cacagttggg tgcaggacat ccacgggcag 180
 aagagtgggt gaagggcaga cctgaagaag cgtttctctg gcttgggaatt cggattcggc 240
 gaagagatct atgacggtct aaaggccacc ttcaatatcg caggatccct catgggggtac 300

tcgggacatt tccacgagga tacgatcgag gaaatccgca aacatcctga cgtaagtaca 360
 ccgcccgaat acgctctgcc caaactgacg gtcactcttt catagatcga gtacattgag 420
 cgaaactccg aagtccatac attggaggac acggacgttg agaagaacgc cccttgggggt 480
 ttggctcgta tctcgcatcg ggacagactc actttcggta cattcaacaa gtacctctac 540
 gcttccgagg gaggtgaggg agttgatgtt tacactattg atactggtat caatatcgaa 600
 catgaggact ttgagggccg tgetttcttg ggcaagacta tccctaacat ctacgcggat 660
 gaagatggta acggtcacgg cactcactgc tcgggcacca ttgccggaaa gaagtacgggt 720
 gtttctaaga aggccaacat ctatgctgtt aaggttctca ggtccagtgg ctctggcacc 780
 atggccgacg ttgtccaggg tgtcgagtgg gctgtcgagt ctcatctcaa gaaagccaag 840
 aagggtggca acggcttcaa gggcagcgtt gctaacatga gccttggcgg tggcaagtcg 900
 aagacccttg aggatgctgt caatgctggc gttgaagccg gtgttcactt tgctgtcgct 960
 gctggtaacg acaacgccga tgcgtgcagc tactctcccg cagccgctga gaaggcagtg 1020
 actgtaggag cttcgaccct tgctgacgag cgcgcttact tctccaatta tggcaagtgc 1080
 acagatatct ttgctcctgg cctcaacatt ctgtcaactt ggattggcag caagtcggcg 1140
 gtcaacacca tctcgggaac ctccatggct tcgcctcaca ttgccgggtct cttggcgtac 1200
 tttgtttccc ttcaaccgtc caaggactct gctttcgcag tcgatttcac tcctgagaag 1260
 ctcaagaagg atatcatatc cattgccact gaaggtgtcc ttactgacat tcctgcggac 1320
 aaaaaaacg taagttgcgc gttggaattt ttactggtct taactaactt gtgatttagc 1380
 tccttgcttg gaacggtggt ggctccacca actactctga tatcattgcc aagggtggcta 1440
 caagagcggc tctcatgtcg actccactcc tttcaaggct ggaggtatcc tcgcccaggc 1500
 catgtaaa 1508

<210> 19985
 <211> 1510
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19985

ctcatctcca tgctgaatat cgaagtacac ctacaagatc cgttgcgtta ttaagccaac 60
 acaagccgcc gagcgtcagg gcaatctcac cttgttggtg attttcggtc cgcggggctc 120

agaggcatta acaagagcca ggccaagagc cacgactagg aagaaagata agaaaaggct 180
 cttaaggctc gtcacgtcc acaggtttcc aaccgcgcgcg aatatggtag gtgagagctg 240
 gtttaaagac aaggaggagt tccggagctc aattcgcgga ggacagcttg ccttatcaat 300
 ggacagcgga ctaattagcg gtaatttaca tctcgataac actcttaact tagctgcata 360
 attgcagcct aaggccatag atgggccgtg ctcaaggctc cagattgcaa attaggctta 420
 aagataccgg aagaacgctg ttgcgggact caatttctcg cgctaccatc cagagcaaag 480
 aagccgcttg acacagacct ggatcattga gacgacacga aacaaccgcc aaaatgggat 540
 gccggatatt atcattttat ttcctttcat aaactgaccg caagccagggt cttcatctta 600
 ggcgtgaact tccccgaggg ccagctcgtc caggcaagaa cccccgttaa tgaagcctcg 660
 atatgcggcg ctttggtcgt ctggcctcag acctaaccaa gtttgtctat ttagaagtct 720
 cttcagaaat ttttcggtgt cggcccgcga gtctcatcgc gcatcatgtc ccgtttccac 780
 atccaccaa catgcaagggt cggcgagctg gccacaaac aggtcctcga cctgacggct 840
 gtgctttcag aaatgaagat tgagaacgat ctccgacgac aggttctcga tgacatcaag 900
 cggttaaagg agactggaac ttaccgtggc cggcgccatg cgcttggact gccggttcga 960
 ggacagagga caagaacaa cgtaagttaa tccatgctcc taatgctgac cttgagaagt 1020
 agtatactaa ttcagttgct ctagaacaaa atagccatca ggcttaaccg tattgataga 1080
 cgactttaaa tgtgaacttc aggggtgtggc tcggttcgct ctggtcgctc tggcggctgg 1140
 tttaggttat tgtgcaagg catggcaagg cgttgatgt tagtattatg ttttttcag 1200
 gattgatact tttattcccc tagagatcga cggaatgtaa cggaaagatg tttatcagtt 1260
 tgtagcatga tgccagagat taaacttttg tttatatgta gacttcaa at ctgtctttat 1320
 gtaaaactaa ctagaagaca atacgccctc gccgcggttg atttgaatc gcttgtcttc 1380
 accggcgctc acaatgccca cctcacgac ccagcacacg ctaaagactt tgacaccctc 1440
 acctcccacg cgcttgctgt tcgccttgcc ctcttctcc aagctcttcc gtgagataga 1500
 atatacgctt 1510

<210> 19986
 <211> 1513
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19986

tgtttcagtc gaatggcaga tacagcatta tttctgtgcc aagtccggga agctggaggc 60
ttgagtacta ctacacagcg cactctctat caatgcaacg ccaatccgtc tcttccagt 120
ggtgcaacgc actgaaagat tcggacatga gacttgaggc taccatgtct gtttctcagt 180
tttgggacgt cctaaggtat ttgatggata tgaaaaaggt cgaatcgggg aactatgagc 240
ttcccttctg gggagggttc ctaggtatt tttcctacga acttggaactg gcttgccctg 300
ctcaccccaa acacgaaagt ggaagcatcg cagatgacca ttgctctcag gagagcgcca 360
gtgctgatga tccaccagat gttagccttc tgtggactga caggagcggt gttgttgaca 420
atgagactgg tcgagtaatt ctacaatcga ctagagaagc agacaatcta ccagctggct 480
ggttagacca ggctcaaaa aactggaac gtttctgttg tatggacatt ctgcaaaaac 540
caaagaattc tgcctccgac gacgagtttc ttgattcagt tttgggccgg ggagtcattc 600
agtttccag cgagaatgcc taccgaaatc aggttgaggc ttgcaaggac gaactgaggg 660
ccggtgagtc gtacgagctg tgccttacct gcgagacatc catcacttta ccatcgcccg 720
atgttcccat cggccgcatt gagttccctt ggaaattata caaacgactg cgcattgtaca 780
atcctgctgc gttcagtgcc tttgcgagac ttggaaatag caagattgtg agtagtagcc 840
ctgagtgctt tctcaactgg gaccgacact cgacattgga gatgaagcca atgaaaggaa 900
ctgttcgaaa gtccgacagc atgacaatgg aaagggcacg ggagattctt ggatcaacca 960
aagaaatggc tgagaatctc atgattgcgg atctcgtacg gcacgatctc tatggcatct 1020
gcggtgctgg caacgttcat gttgagaaac ttctcaaagt ggaggatcac ggtcgagtat 1080
atcaaatgat aacccatgtc aaaggatcat ttgaccaca tcgaccggga tatgctgcaa 1140
agagccttcc acgactgcag tcgtcgaata tgtcaggata tggactcacg gcattgcagc 1200
gatgtctacc accagggtcc atgactggag ctccaaagga acgatcctgt atgcaccttt 1260
cctcaattga gggccggaag cgcgggattt actctggcgt tatgggattt ctgcaccttg 1320
gaggaggagg aagcttttct gtcctaatac gcacggcatt cacatcatct aacgacaatg 1380
acgacgttca aaagtggcga attggtgctg gaggcgcggt aaccatgctg agcagcgccg 1440
acggtgaatg ggccgagatg ctcaccaagc tacagactgt ctgcggcata tttatgcctt 1500
cgcacgcgaa atg 1513

<210> 19987
 <211> 1516
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19987

```

gccacgctg ccagtgcac cgacgtcgac gccgcgctgg ccgcagctaa aaccgcgtac   60
aagaccagct gggcttcttt ttctcctgca cagagacaag catgtatgct caagtttgca  120
gacttggtgg agcgcgatgc agaacgactt gccatcctcg agtccctgcc tacagggaaa  180
ccggtgacgc ctaccatcca ctttgatatt gcgcatatgt tggaggtttg gagatgtacg  240
ttgcgtgccc ctacacaccga tatcttccgc tatcttctac ttccagaggg acagcagact  300
gatatatatt gagatagatt atgccggtg gaccgacaag atctccggcg aatcgtaccc  360
tgagtccaac ggcgtgtaca agatcgccg ccacgagccc ctccggctct gcgcggggat  420
cgctcttgg aacgcgacct tcatgtatat cggttgaag attgcgcgg ctgtcgccgc  480
aggcaactgt tttatcttca agcgtctga gaagtcaccg tttgggacgc tggcgctcgg  540
tgcgcttttc gctgaagctg ggttcccggc ggggtgtgtg cagatcctca acggcggtgc  600
agagacaggt gctgcattgg cgaggcacat ggatatcgcg aagattagct tcacgggctc  660
tctgggcggt ggcaaggctg tgcaggaggc ggcgacaaag agtaacctga agaaggtcac  720
cctggaactt gggggaaaga gcccggcggt ggtgtttgca gatgcagagc ttgagagggc  780
tctaggaggg taaggctact ccctttccat ttggctggga aacaggggca tggttttgtt  840
actgatacta aagagctgac gatgtagggt ctgcggtttc ctgtttaact cgggccaggt  900
ctgtgtcggg acgttctcca tatactccat tgttttcggc ttcaaccctg ccatactgac  960
aaagaaaagc gacatccgc gtcctcgta agaaaccgat cttcgagaaa ttcaccaggg 1020
gcctcaagtc cgccttcgaa cagacctcct ccactcttgg cgccgaccct ctggacaaga 1080
acgtcagcta cggccccatc gtcgacaaag cgcagttcga caagatcatg tcctacatcg 1140
ccatcggcaa gcaaaccgcc accttactga ccggcggcga gcgaaaaggc gacaagggct 1200
tcttcatcaa accgacaatc ttcgtcaacc ccgagcctga gagcccgatc gttaaagaag 1260
agatctttgg acccgctcatg gtggttcaga cattcgagac ggaggaagag gcgatcgctc 1320
tggcaaatgc gaccgtgtat gggctggcag cttctgtgta lacgtcaaac attgaccgcg 1380

```

ctctgaggggt atcgagcgcg ctcgagtgcg gaggcgttgc cgtcaactcg ccgttcctgc 1440
 cgcaggtaaa tacggcgttt ggaggcatca aggcgagcgg aaagggacga gagctgggtc 1500
 tctatgggct gctgga 1516

<210> 19988
 <211> 1520
 <212> DNA
 <213> Aspergillus nidulans
 <400> 19988

ggacttgcca aatctgtttt cgagcagatt aagcatcacc tagcccggaa tgtcgtagac 60
 agctgtattg gccaggtta actgcaatgg ctgttgcaa aagccatagg aggcagcagt 120
 tagatgagaa ctaaagatgc ctggcattga gacagtgtga attctaactc cccaagcgac 180
 tccactttta tggactggta tagatttaac ttgcagtgcg tgtgttctaa ctacgctctc 240
 tagattgctt ccacgcccac cttattcacc ttaggtatcg atactctttc tgctacggct 300
 tagctatcat gacgcagacc ttgatatacct cgtcacgctt cttgtgctga tgattccagc 360
 gcatcaaatg tctgtgaatt gagttgaatc cgatgcaata tctttctgga tggctcgtctt 420
 cagtctcagt ctggcgtgct cttcgtggac ggtaagcacc tactcccggc gttaagcctc 480
 ctctgacata aacccgcttt atctccatcc tcatatataa aaacacogtg gatatcccaa 540
 gacccaaata cactgaactg atacacccta cacgtatcag ctgcgagatg gcaacatata 600
 tcatcaccgg cgcgtcgcgc ggccttggcc tagagcttgc ggcccagctg gccgcacgc 660
 ccccgctcca agtcagcctt gtattcgcca ccgcgcgaga tatcagcgcc agcgggtctaa 720
 taggcctggc gaaaaagttc tcagaaagaa tcgttcccgt tcagctggac cccagcgacc 780
 cggagagttt acgcgccgcg gttgcactag tcgacaacca tcttcgaagt agagggctgg 840
 acgtgctcat caacaattcc ggggtgcaac ctatcactcc tggaaaaatt gagatggcgt 900
 atgtgtattt cccttggtc caccggcggg ctgcttggtg acatgcattt aatgccagt 960
 acgatctcac cgaggtgttc catacgaatg tcactttgac ccatttcgtc actcgagcct 1020
 tcttcccttt gttaagacag gggaatcgta aggttatcac aaatatgtaa ggccttggtg 1080
 ccatgggccg gtacgcagct gactgtttcc tcctatgtcc agttcgagca ccctaggatc 1140
 aatctccctc agtcccaagt tctcaggag tccagcccac gcatacaaga tatccaaggc 1200

cgcgatgaat atgatgacag tgcagtacgc ccttcagtac gcagacgagg ggttcaccgt 1260
 gtttgcggtc agtcctgggtg taagccctca ccccttttcc agacttcggc gagcctcaga 1320
 aacactaaca gcatcaacta agtggcttcg cacagatatg ggtggccagt gcgccgacct 1380
 ccctgtcgaa acaggcgag agcaagttct gaagtgcgtg aataatgttg gaaaagaact 1440
 caacgggcgc tttctgaata tccacgttcc tggtggggag aatgcaccag gtccaaatca 1500
 gtacccggga ggtgatgcgc 1520

<210> 19989
 <211> 1521
 <212> DNA
 <213> Aspergillus nidulans

<400> 19989

ctccgcgaga gccgcagttg gcagctgagc cggcctctga gctggccgct gatgctacca 60
 caatgccttc caagacgcat acggatgagc cttcaagttc ggccattgac gattctcttc 120
 cgccgattga caaaagctta ccgaccgatg atactgccct tccagctata gatatgtcgt 180
 gccgccaata gactcgacga taccagcatt accgcctatt gacacctcct taccaccgct 240
 agacacgact atgcccgcta tggatgatct acacggcacc gatactcact tttcatttga 300
 caggttcgac gaggagacgg ctgggcatgg cttaggtgaa aatgggtcga taacacacga 360
 tcagactaca gaacagcatg ggtcttcttc caccatggt cctcaaaacc ccgcatcttc 420
 gaacggagtg cattcggacg cgccagctca gcaacaccaa cattatgagc aacagcagcc 480
 ggcacaacac cactattcac cacaacagca tacgccgacg ccacagtcac aggcaccatt 540
 gcccacacag cagcaccagc aaccgcatca gcagtcccaa cagccccctgg acatgtataa 600
 caaccatcat agtgcctcgc cgctcctac gaatcctcct atgcaaggcc agccttcgca 660
 aattccgcaa gctcccattg gatcgccaat gcctccgatg tcttcgggtca gtcagtacat 720
 ggcgggatat ccgtcaatga actcaggcgg tcagatgcat tatcagctgc agggcgatgc 780
 gaacaaaatg ttgtcgagca ggcacaagaa agaagtgaag cggcggacga aaactgggtg 840
 tttgacatgt cgcaagcgac gcatcaaggt acgtaaaciaa tttatagaaa aacatattgc 900
 atagactatt tgcaatgcaa agcaagggca gttgggtgtg gtgaaatgcg cgaggttgga 960
 gggtgcgttg tgttgcttcg cttgcgtcgc caaaatcttc ggctcgcgtc cagcccacca 1020

ccggaacccc cgccatttat tgcgcttgt tgacgctccc cgacttccca tgcccacctt 1080
 tctaataccc cttcttggtg ccgtacttat tcggcttccc tttttcatta cgctttattt 1140
 cacttgcgct tcattctgaa ttcgccattg acaacactcc cgttagtgtg acgaaggaca 1200
 ccctgtctgc cgcaactgcg ttaagagcaa gcgatgaatgt ttaggctacg acccagtctt 1260
 caagcaacca acaccctctg cgatacagcc tgccccaaat ccgcagccgt cgctggtagt 1320
 taaccgcag gatccttctc ctcaacaatc gtcgtatcct gctgcccctc ctggtacgt 1380
 accggcctcg tctcagccct tcgccccttc gcaatctccg tctacctcca ctgatcgcta 1440
 cgagtacaac tcgtcaattg acccgctact caacaaaaac aactcctcag acatggcaag 1500
 tgttcagaat atcgccgacg g 1521

<210> 19990
 <211> 1522
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19990

ccactgaggc aaccgcaatc gtgaaagtat tcctagagac acattttcat actctcttat 60
 ccgggctcga tgcacgaaca cagcgctgat tggagctaga tcagtacatt gagacctttc 120
 ctctcagccc agaagagtgg ttcgtgtcag gaaactctgg gtcactcaag agcgagatta 180
 tcttcgcaa tatcgagtcc tgaagagtcg cccgcaagac aaaacctctc gcgctggaac 240
 tgcttctctc gcaggcttcg aacctctcaa gatattggga agaggaagtt tcgggtgtcgt 300
 tcggctgggtg agagagaaac gcaccgacga gcagactcag tcgggtcgag ttccgcttgc 360
 ccccaaaact aaccaccgtc aagcaatgac gggggtgaaa aaggatgtct ttgccatgaa 420
 agttatcagg aaatcagtga tgattcggaa ctgccaaagag gctcatctga gagctgaacg 480
 cgacttttta gtcgcttctg ctaaateccg ctgggtgggt cctttgatcg ccagctttca 540
 ggaccagaaa catctctatc tggatcatgga ctatatgggt ggtggtgatt tccttggett 600
 gctgattcga cataacatac tacgtgagag cattgcccgg tggatgtcgc cagagatgat 660
 tctgtgtatt gaagaagcgc accggcttcg ctgcatccac cgtgacgtga aacctgacaa 720
 ctttcttata tctgaatctg gtcattctgaa aatatcagac tttggtctgg ccttcgacgg 780
 aactggggcg caccgaccgt ggtactttac ttatcaacgt cactccttac tcaagcgggt 840

gggcatccag atcgacggtg acgctgaaga ccagaaactg tcgcacgacg caaacatata 900
 gtcccttggc acaactcgtg aggatggaag catggaagat gactggattc accctccac 960
 caacggcctc ctgcactggc gtgacaagaa ccaaaccga acgatggcaa gaagtgtcgt 1020
 cgggacgagt cagtacatgg ctccagaagt cattcgcggc cacccttatg acggtcgatg 1080
 cgattggtgg agcctcggcg tcatactata tgagggtactt actttttctc tgcctttctg 1140
 cttgtcgtc gttaacatc cgcatagtgc ttgtatggtt tcaactcctt cgcttccgag 1200
 gatcgtcatc agacaaaact caagattcat gtgagtggtc tccaatatag cttgttcatt 1260
 atgtctgggt ttgtctaata tagcatgaaa aagcgtcacc tccagacatt gtacttcca 1320
 gtccaccgac ccacggacaa actggtatca gcagacgga ttgatgtgat aaactccctt 1380
 cttcaagaga aggagttccg cttgtcttca ccaaataca aacaaaacga cgctattagt 1440
 tccaagccgg caaagtgttc cttctataag ccggactctt cgaatccgag ttatcaagg 1500
 cattacgtct accccgatga tg 1522

<210> 19991
 <211> 1523
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19991

ccgagcgacc tccccgagat gtttcgaccc cccgtgaacc gcgcaatgcg ggttctggat 60
 cgatcattct tcaaaaaaac ggtaccgctc tccgctgcga caatattcaa gaattcagac 120
 atctcaaggg tgcgacgggc gttggagcag agcaaggata ttctcgcatt accgcgcttg 180
 aatacgatcc aggacattaa acaggatgat gtcgttaaaa agtgcttact gcttaaggag 240
 accattaggc atgatggtat gatctgtgaa tgctgttatg tatggatatt ggttaacgtg 300
 ccgcagatac tggacatggt cgccgactat taacgagttg gttgataatg gggttggttg 360
 tgttgggccc ttcgatctga cgctggacta cgactattgg cttcactgtg agtacaagag 420
 gctacaaaaa gtaatggaag ctgactttgg ctagccgata ttattagtgc cgttctaccg 480
 gaggaactac tcgaggaagt tccgcagggc ttacgcagg tgggacatgt tggttaagtcg 540
 agcaaaacgc cttgtgcttc tgctctggag aactgaccaa tagcccaact gaacctccgc 600
 gaacaattca tcccgtggcg acaccttatt gcacaggtcc tcctggacaa gaaccaacg 660

cttcgcaccg tgatcagaaa gaccgaggat gtgggatcgc aaagcgagtt ccggacgttc 720
 ccttacgagc tccttgctgg tgactcagat atgaatgtta tccagcatga acaagactgc 780
 gaattccgct ttgatttctc tcgcgtatat tggaacagcc gcctccatac agagcaccaa 840
 agactcgtgg acctattcaa gccaggcgag atggtatgcg atgtgatggc tggcgttggg 900
 ccatttgcaa tccccgctgg aaagaagaag atttttgtct gggccaatga cctcaatccg 960
 cacgggtacg aggtgatgca ggatgccgtg aagaggaaca aggtcttcaa atttgtcacc 1020
 ccgttcaacc aagacggaag gagcttcacg aggtgggtctg ctagagccct ccaaaaatat 1080
 gacccagtga cagtgaccat ccagccaaga acaaagcgga cgagggacgc ctccggtcag 1140
 gtgaaagaga cccagccacc tctagaagta tacacccgtc cgaaagtctt tcaccattac 1200
 gtgatgaacc tccccggaaa cgcccttgag ttcttgagcg ctttcattgg cgtctatgcg 1260
 ggttgcgagg aactgttcga accacacacc aaggaacagc tccccatggt ccatgtgtac 1320
 tgtttctcag gccactcgga gaacgaagtc gacgaccata ttgatatctg caagcgcagt 1380
 tccgagaggc tggaataccc gataacagta gaggaccgcg ttggaggagc tggaaacaca 1440
 gagctggagc tttctatcca taacgtgaga ctgggttagcc ctaacaagca gatgttctgc 1500
 gcgagtttcc gacttccccg cgc 1523

<210> 19992
 <211> 1523
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19992
 gagacaaaac agtatgacta tatcgtgtta ggtggtggta gcggtggtag cggtagtggc 60
 cgtagagctg ccggttggtg cggagcgaag acattgattg tggagagtgg acgcgctggc 120
 ggtacttgcg ttaatgttgg gtatggaatg actcgaccct ggtgaaccag cgcattgctg 180
 attgataccc gtgtagctgc gtccccaaga agatgacctg gaacttcgct tccatcaccc 240
 aatcgatcga ggccggccgc cactacggtt atgacctccc tcataatatt gacgtaaact 300
 acacacattt caagaaactg cgcgactcca caattgagcg gttgaatggc gtatacgaga 360
 aaaactgggg taacgaagga attgacctcg tgcacggccg ggctcgcttc gttgagaaaa 420
 agaccatcga ggtcaccaac caggacggca gcaggacacg gtacactgcg ccgcacatcc 480

taattgcgac cggtggccga cccagccttc cggatatcaa gggctctgag cacggtatta 540
 gtagcgatgg attctttgag attgaggagc tgccccctaa gcttgctgtt gttggtgcgg 600
 ggtacatcgc cgtcgagctg gcagggtgtca tgggcactgt cggcgttgac acacacatgt 660
 tcatccgtgg cgagaccttc ttgcgcaaat tcgatccaat gatccagaag accatgacgg 720
 acgatacgag gccgtcggca ttcacgttca caagaagcac cctggtatca aggaggttca 780
 gtccttcgc gacggcaagg gcaaggacaa gcttctcaag ctgataatga acgatggctc 840
 ggagatggag gtcaacgaac tcctatgggc tatcggccgt gtccccgaag ttgaggattt 900
 gcatcttgag atccccggtg tggaactcaa caagagtggg cacgttggtg tcgacgaata 960
 ccaaaacacc aacgtcgagg gcatttacgc tattggcgat gtcacaggtc aggccgagct 1020
 aacccaggt atgttacagc ctctactctt ctcaaataca ttgaggaaat attcttatta 1080
 atatgtcaac agttgctatc gctgccggcc gccaaactcg caaccgcctc ttcggcggac 1140
 cccaattcaa aaatgccaaa ctctcttatg acaacattcc aacagtcgtc ttctcccacc 1200
 ctgaggtcgg caccgtcggc ctcacagagc cgcaagcccg cgagcgcttc ggcgacgaga 1260
 acgtcaaggt ctaccacacc cgcttcccgg ccatgtttta ttccgtcttc ccgccgagg 1320
 agaaggcgaa gaacccaact gagttcaaga tggttggtgc aggaccagag gagaagggtg 1380
 ttggattgca cttctgggt ctcggtgttg gggagatgac gcaagggttt ggagtagccg 1440
 tgaagatggg tgctacgaag aaggactttg acagctgtgt tgctattcat cctactagt 1500
 cggaagagct tgttactttg cgt 1523

<210> 19993
 <211> 1525
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19993

cggtccggcg aggacatttg atcagaaggc gctgacttta tcctcattta ggcttccgag 60
 actcgactg aaagtgatgc ttttggcgag atccaggtag gacagttggt tccgagtcga 120
 tcacatatga catctaatca aacggtttag gtccccgccg acaagtactg gggcgcgag 180
 actcagcggg aaggcatcgt cacttgagtt acgcgaggaa atagagtcta agaggctgac 240
 gaatggatag ttactgggc aatttcgaca tcaaccagcc ccaggaccgc atgcccgatg 300

ctgttggtcaa ggcttttggg attctcaagg gtgctgctgc taccgtcaac atgaagtttg 360
 gccttggttaa gctctgtctg ataaaattta ggcaagaatg cgttggttaa tagcgtctag 420
 atcccaagat tggtaggct atcaagcagg ctgccgctga ggtagccgag ggcaagctcc 480
 ttgaccactt ccctctcgtc gtctggcaga ccggttccgg cactcagtcc aacatgaact 540
 ccaacgaggt tatctccaac cgtgccattg agattctcgg aggcaagatg ggctccaaga 600
 agcccgcca cccaacgac cacgttaaca tgtccgcttc ctccaatgac tctttcccaa 660
 ccgccatgca cattgccgcc gttctagagc tggagaacac tctgcttctt gctcttacga 720
 gccttcgtaa tgcccttcag aagaagggtg acagcttcca gaacatcatt aagatcggcc 780
 gtaccatctt gcaggatgcc actcctctta cccttgcca ggagttctcc ggatacgttg 840
 ccagctcga ccgaacatc gagcgcgtcc aagcctctct gcccacctg cgctaccttg 900
 ctcagggtgg tactgccgtt ggtactggtc ttaacacctt caagggttcc gacgaggcga 960
 ttgccgctga ggtgtccaag atgactggca ccgagttcaa gaccgtccc aacaagttcg 1020
 aggttcttgc tgctcatgat gcaatcgtcg aggctccgg ctgcttaac acccttgccg 1080
 gctccctgtt taagatgcc caggacatcc gttacctcgg atccggcccc cgctgaggtc 1140
 ttggtgagct catccttctt gagaacgaac ctggttcttc catcatgcct ggcaagggtca 1200
 accctacca gtgcgagtc ttgaccatgg tctgctctca agtcatgggt aaccacgtcg 1260
 ctgctacat tggtagcatg aacggtcagt tcgagctcaa tgtattcaag cactcatga 1320
 tccgaacct tcttcacagt gtgcgcatc tcgccgatgg catgaagagc tttgagaaga 1380
 acctggtgt tggctctgag gccaacgagt ccagaatcag cactctctc cacgagaggt 1440
 aggttttacg taccgcctt actgtttcat gtgtgctaac tttctcagtc tgatgctcgt 1500
 tacctgctc aacccgtca tcggt 1525

<210> 19994
 <211> 1526
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19994

cgactgggac ggagaggacg atccgaccaa tctcgaac tggtagagc ccaagagatg 60
 ggccgatgtt gttacaatct ctattctggc tctcatcag tacggcgtct ctctatgcgc 120

aattaaggtg cccattggct aacatttctg taggaacatg gcccctacga tgtgcgctcc 180
gggcgtcacg gcaattgagg ctgacttgca gataagttcc agtggttgcca gtacacttgc 240
ggtcacactg tacgtactgg gaatcgcgat tggccctatg tttatgtcgc cactcagcga 300
gctctaccgc cgtgcgcctg tttaccacgc cgccaacatg atgttcgtgg cctttatcgt 360
tggcagtgcg ttaagccaga gcctcgccca gtttctcgtc ttccggttct tctccggctg 420
cgctgggtgt accccgatgg cgcttggcgg tggaaacgatt gccgatatca caactatcca 480
gaaacgagcg gcggcaatgg cgttgttcag tatgggacct ctgacgggac cggtaagtcg 540
ctcgtgtcgc ctcccgtcc cgctctctag gctttattct gtgcaagcat cggcttggct 600
aatgaatccg tttaggttct cgggccagtc atcggaggct tcgttacgcg aggaatgggt 660
tggcgttga cgttctggtt gctatctatt ctgggagggg tggccggagc gacggcgctg 720
gttgtcatgc gggagacgca ccctaaagtc attctggagc gcaaagcagc caatctacgt 780
gctactactg gcgacttgaa actgcgttcc aggcttgcca gtggtactcc gctctacccc 840
ggacaggtcc ttctccaaat tctgatccga ccactcatgc tgcttttttg atcgccctatt 900
ctactcgtca tatccctcta cgtggccttg gtgtttggtg tgatgtacct tctctttact 960
acctttccta gcgtcttcga gggcacaatac ggggtcagca cgtctgtatc cgggctggta 1020
tacctgggtc tgggtgtagc attagtcgct agcatgcttc tattttacgt tctcaatgag 1080
cgggtacagg cggcacagat gaaagcagac ggagtgcac aagttcgacc agagtaccgg 1140
ctgctcctga tgatctggtt cagcccgttc gtcgggggtg gcctgatcat ctacggctgg 1200
acagcatact acaaggttca ttggatcgtg cctataatcg gcactgtctt catgggggtt 1260
ggagcctttt ttgtgattgt aggtctctca caatatctaa ggaactgatg ctaacaattg 1320
gtcatttaga tgccggcaca actctacctg gtcgacgtat ttgggtccca ggcggcagcc 1380
tctgctctag gcgccaacaa cctgttgccg tacatctcaa gtaccttctt gccactggcg 1440
gggcctgcca tgtaccgtag aactgattac ggggtggggga atacgttact agggctcctt 1500
gcacttgcac tcgttcggg gcctct 1526

<210> 19995
<211> 1533
<212> DNA
<213> *Aspergillus nidulans*

<400>

19995

tggcgaataa acctgctgca aagtcggact ctgttgtcca gtcctggag tctatgggag 60
ctgtcctata tgtcaagact aatgttcctc aatcattgat ggtaggttct tgaacttcta 120
ccagctaata ccaggaggat caagcccaaa ctgacaacaa atagatgtct gattcctaca 180
accacgtctt tggccaatcc gtcaatgcct tcaataccaa gctaattctca ggtggtagct 240
ccggaggcga aggcgcgctt gtcggcgag gaggaagtgt cctcggaata gggacggaca 300
ttggaggttc gatccgctg ccacgaacc tccaggggct gtattcgctc tgtccgacga 360
cggggcgcat cccgtggaat tgttctttgt aaacccctc ctcttttatg cggaggatag 420
acagtgggga ggaagatgct gacatctctg gtccagcatg caccaacact atctcgctcc 480
accctgcgca ggcccatgg ctagaagcgt ctcgactatc gaatacttta tgcagagtct 540
cctagactcc aacccatgga atctcgatcc tggatgtatt cccattccgt ggcggagaga 600
aacagcagcg tttccggatc cgacgagaaa gctgaaacta ggtattgtct atgatgacgg 660
cgctcgtagg ccacagcctc ctgtgatgag gctcatgagg gagcttgcaa gggagttgac 720
gaatgccggt catgaaggta ttttactact tagccctgac taaccgccac ttacctatcc 780
gagttaacaa tatatcgtag tagttgaatg ggacacgtct cttcatagaa ccggcacaac 840
cctctggact aggtccatcc tcgccgatgg cggataccac tgccggcagc tttgctcgct 900
cgctgatgag ccctaattc agggatatgt cggtggcaca tcagcagacg agctctcgag 960
tgtggagaag gaaaaagtaa gtactttcca aacaaacct ccaaaccgc tactcatgac 1020
agtgcacccc agctcgaaga agaaaaatac gcctttcaag aatcctacct agtcaatgg 1080
gtcgccagtg gcattgacgc cctcctcctt cccgttacac cctgggtggg gtataaacgg 1140
aagcagtggg tgcagagcaa ccagtggctc ggctatacgg cgctgttcaa cctactcaat 1200
tatgcagctg tctactgctc catcgggaaa gcggatgggg agcttgatca tccagttgct 1260
ggaattgata atgagtggaa gggctatgag ccgaggaata aagcggatcg ctttaattat 1320
gatcagtgtg tgttctttct cccttcagcc tatttatacc tcttgagata ttggcccggg 1380
cgcgccacgg ggggcggggg tcaaaactga acatacgtc gcctgaactg ttattaatga 1440
ttatagatga tatcgatctg gtcaagggga tgccagtgac tgtccagatt gtagggggaa 1500
ggtatgggga ggagaaggcg gttgcagttg cga 1533

<210> 19996
 <211> 1538
 <212> DNA
 <213> Aspergillus nidulans

<400> 19996

```

aggatcgtat atgagacatt tgggctaggg aaagtgctag aaggggcgcg gggcatggtg   60
gatgagggat ttcgtgttta ctcaacagat ggagagctag tcaacgaggt ccctctaaca  120
acgaacgaat atggagcgag tcggatagcc tatcatcgaa gagacctaca tgatgcgctg  180
aaaagagccg cactggcgac cgataggga ggccaggcgg tcgagatcag agtctcgtct  240
cgcggtggttc actgtgatcc tattaatggg actgtagaga ctgagaaagg cgagaagata  300
ggaggcgatg tcatcatagg agccgatggc atgtaagtac aagtccccct tcgcgttcag  360
actgacagta agcagacata gtgttcttcg aaaatatgtc ctggaggacg agattacccc  420
attgccaaca ggccattccg gtatgacctt actctaaaaa ggtgttttgc aatagctaac  480
ggctgtagcg taccgcctca tggtaagggt gtccgtgata cattgaatca tgctcacaag  540
acagatccct tcagacatcc tcgaagagca agaaccagaa ttctgcagta agatcaaccc  600
tagaagtccc ttcacgtcga tgatggtagc acatgactgc cgtctgatca tgggcccctg  660
ccggcaaggc gaagtcttcg ggattgttgc cctactccct gatggtacgt gcaagctctt  720
aatgaatgaa ctaccaggcg ctgacagtcg gcagagcgga tgaatgagga tcccaacgcg  780
aaacaatcct ggggtctcga aggtagtcta gaaaagatgc tagacacatt ttctgagttc  840
cctgactgga tcatcagcat tttcaagtaa gcttgtgtcg actgtcatga gcgcgggcta  900
actcgctcag gcattcgcg gacctcggat tatggcagtt gcacgacatc gtaaggactt  960
caccgcctga taccgagttt gtactgattc gcttgggtgtt agaaccctct tcgcacttgg 1020
taccgcggcc gagttctcct cattggagac gcgggtcatg cgatgctacc aaccaagggt 1080
caaggagcga gtcaggcaat tgaggacgcc gaggcactgg gtgctttttt tgcagaacag 1140
gctgacagcc cttctggtga agagatcggc cgaattttcg aagtagtatg atcccgtga 1200
agccttgctc tagtcttacg atttgcagga cgttttccgt agccgacaca accgcgcggg 1260
cctgatccaa gcctatagcc ggcaggcagc aaaaccgggt actgctaaag gcgcgaaaac 1320
agtcacaatg taggcaccgc tcttggcgtc gtcaacacgg actaatcaga ctgtatagga 1380

```

aacccgacga attcatgacg ttttaactgca agtatcacgg ggccaaggat tggctacggc 1440
gacagacagc ctccgcagcg taaggctact caatgatgat gtatcttgcg gtagaaaaat 1500
gtgttgcggt gacttttgta gtctggtaat gtcagcct 1538

<210> 19997
<211> 1539
<212> DNA
<213> Aspergillus nidulans

<400> 19997

tacaagtaac caaataacac catgtccaac cgttttccca tcgacaatct ccctacggc 60
gtcatctcga ccagcgacga cccaaccccg cgctgtgcaa cagctctaga caacgacgct 120
atcgacctga gcgctctcga gagagatggg tattttaaga ctgttcccggtgttcgaaaca 180
gcggtgttct ctcaggtaaa cttcgccaac gatggctaga acgtcaactg atgaagtcct 240
caacagccca cgctgaatac cttcgccgcc cttcccaagt ctaccacccg tcaagtcagg 300
gctctcctaa cagagcatct cgtggacgta aacacgcgct caaaatatgc cactcccctc 360
gaaaaagtta caaaccacta tccaatggaa acgaagaatt tctctgactt ctattgttcc 420
ctggaacata cccaaaacgt acctctatcc tctcaattgc cccttaccac acgctagata 480
gtgtaggaga aaaagggag gaaaggaaaa agaaaaagca aagaaactga caccgccaaa 540
agtgcagcat gatcatgaat gccccataa gtccaaattg gtacgtcatt ccgagtgtct 600
acaacggccg cacctcgtcc ctccgcgtca gcgggacccc cgtcgtgcgt ccaaacggcg 660
tcttcgcaag caatccttcg gaggagccga aattccagcc cgcgcgcctt ttcgactttg 720
aactagaagt cggcgtgttt ctctctcgtc ccttcccacc cggcgaaatt ctcgatatta 780
gcaacacacc ggactatata ttcggtcttg tgattctgaa cgactggtct gcgagagata 840
ttcaagggtg tgaaatgccg cctcttgccc cgttccatgg taagggcacg gcgacgacga 900
tctctccgtg gatcgtcact accgaggcgc tagaggggtg tctgtcaggg agtgccaagg 960
tgcagagccc ggcgccgtta acgcatttgg cgtggaaagg gaagaaggag gaggagacgt 1020
gggatgttga gttggaggct agggttgtca gtatgtttgc cttccatata ctatatcgtc 1080
tcgcagcgag aggggtcaatg gttgatgtta acgtgcacag ggaacggcca atcttacgtc 1140
gtaaccgaaa cgaatcttaa agagctctac tggacgcctt accagtcctt cgctcatctc 1200

accagcgcg gagaggggtct cagcacaggt gatatmttcg gtactgggac cgtaacgagc 1260
gcggtacgtg acctcttacc tacctaatat ctactagtag ccttgcttcg attctttgaa 1320
ctaatagcta gcagcgaaca aacagcaacg gtgaaaatat cggcatagca tgcctcttgg 1380
agcgcaactt gccgcataat aaacttgcta gcctcgctgc agcggggata gtttttctag 1440
aagatggaga tgaggtcatt atggagggct ggtgcatcaa tcggcagacg gggcggaat 1500
ttggtttcgg agagtgtgag ggggttggtc ttcctgccc 1539

<210> 19998
<211> 1539
<212> DNA
<213> Aspergillus nidulans

<400> 19998

tacaagtaac caaataacac catgtccaac cgttttccca tcgacaatct cccctacggc 60
gtcatctcga ccagcgacga cccaaccccg cgctgtgcaa cagctctaga caacgacgct 120
atcgacctga gcgctctcga gagagatggg tattttaaga ctgttcccggt gttcgaaaca 180
gcggtgttct ctgaggtaaa ctccgccaac gatggctaga acgtcaactg atgaagtcct 240
caacagccca cgctgaatac ctccgcccgc ctcccaagt ctaccaccg tcaagtcagg 300
gctctcctaa cagagcatct cgtggacgta aacacgcgct caaaatatgc cactcccctc 360
gaaaaagtta caaacacta tccaatggaa acgaagaatt tctctgactt ctattgttcc 420
ctggaacata cccaaaacgt acctctatcc tctcaattgc cccttaccac acgctagata 480
gtgtaggaga aaaagggag gaaaggaaaa agaaaaagca aagaaactga caccgcaaaa 540
agtgcagcat gatcatgaat gccccataa gtccaaattg gtacgtcatt ccgagtgctt 600
acaacggccg cacctcgtcc ctccgcgtca gcgggacccc cgtcgtgctt ccaaacggcg 660
tcttcgcaag caatccttcg gaggagccga aattccagcc cgcgcgcctt ttcgactttg 720
aactagaagt cggcgtgttt ctctctcgtc ccttcccacc cggcgaaatt ctcgatatta 780
gcaacacacc ggactatata ttcggtcttg tgattctgaa cgactggtct gcgagagata 840
ttcaagggtg tgaaatgccg cctcttgccc cgttccatgg taagggcacg gcgacgacga 900
tctctccgtg gatcgtcact accgagggcg tagaggggtg tctgtcaggg agtgcaagg 960
tgcagagccc ggcgcgtta acgcatttgg cgtggaaagg gaagaaggag gaggagacgt 1020

gggatgttga gttggaggct aggggtgtca gtatgtttgc cttccatata ctatatcgtc 1080
 tcgcagcgag aggggtcaatg gttgatgtta acgtgcacag ggaacggcca atcttacgtc 1140
 gtaaccgaaa cgaatcttaa agagctctac tggacgcct accagtcctt cgctcatctc 1200
 accagcgcg gagaggggtct cagcacaggt gatattttcg gtactgggac cgtaacgagc 1260
 gcggtacgtg acctcttacc tacctaatat ctactagtag ccttgcttcg attctttgaa 1320
 ctaatagcta gcagcgaaca aacagcaacg gtgaaaatat cggcatagca tgccctcttg 1380
 agcgcaactt gccgcataat aaacttgcta gcctcgctgc agcggggatc gtttttctag 1440
 aagatggaga tgaggtcatt atggagggt ggtgcatcaa tcggcagacg gggcggaat 1500
 ttggtttcgg agagtgtgag ggggtgttgc ttctgccc 1539

<210> 19999
 <211> 1540
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19999

ggcgggtgcgg tcgttatccc gccctgcttc tccaatttcc cctcatttcc cttatcgtag 60
 tctccactag aaatataatg gaggcgtgat ggctatggtc ttgaagccag atagtcgta 120
 ggataattac agcaccatgt ttagaaacgc cattcgagcg cgagtctctc tgctacccgg 180
 ccgcctaccc gctgccctag cctgccggtg gaactcgtct gtgccagctg cgcaaatct 240
 caggatcaac ggcgaccgtc tatggtatgt aggcaactgt agattagtca agtcatggct 300
 gacgccgcgc agaatgata ttacttcac tgcccaatac agcgtccat ccccgaggag 360
 ggtgaccgga ttatgtgcag acgagaatga caagtttgcc cgggactggt tccgagacca 420
 agtgctgcag ctgggtgcag agtacaaggt caatgcgacg ggcagtcaat tcgcagtatt 480
 cggcggcgag gactataccg tgccaccgat tgccatgggg agccatcttg acacagtagc 540
 cacaggcggg aagttcgatg ggccactcgg ggtatgttac taagtgaata ctgtacggca 600
 tgacaaggct gaacgtctga acaggttcta tcgggtctgg aagttatacg cagcttcaaa 660
 gaacagggca tcaagacacg tgccccctc gccctgatta actggaccaa tgaagaaggt 720
 gcacgcttct tccccact gggctcgtcg accgtttacg cagggcagac ggggttagag 780
 caggcgcagc cgctccctctc caatgatggt tctggcatca ccatgggaga cgggttaagg 840

aagatcggct acgtcggcga cgggtccaaac acattcgagg aatttcccat ttcggcccat 900
tttgaagtcc acgttgagca ggcaacggac ttggaaaagg ccggcaagcc ggtcggctgg 960
gttgaagggt ggcattggat aacctactat gaggtgacct tttccggcga ggacggccat 1020
gccaatacct acccaatgta cggacggcgc gatgcattga ctggcgcagc aaaactcatt 1080
acgcagctcg aaacactggc atatacaaaa aacggatata ccacggtaac caacatccaa 1140
agcgggcctt ggggtgcatg caacatccag tcgaagacga aggttgtctt ctgtcttatg 1200
cacagagaag gagaaggact ggaggacatg ggcgctgata ttgtccggtc aatcaagggc 1260
attgcctctc tacatggact ggagtataag ttaagtcgac cagtccatct tttgccgggc 1320
aacttctggc cagaggccgt tgactgtgtt cgtcgagctt gcggtgatag gggatatcga 1380
tcacgcacgg gcactggcca cgattcgact atgacccggc tcaaagtcc aacagcgatg 1440
atcttcgtgc gaggaagga tggaatcagc cattgcgcga aagaatggag tgacaaggag 1500
gattgtgaag aaggcgtctt ggtcctcggc aaggcagtgc 1540

<210> 20000
<211> 1546
<212> DNA
<213> Aspergillus nidulans
<400> 20000

cggcgcccggt gtcgatttta ttgaagtcgc actgccacca gcggagcatc ttgtcgttgg 60
cggccaagcc tgcagcttta gtgcaggatc gcatctatag agactacata gattagtatc 120
gttaccttgg ctatagtact tgttgactg gcaattcagc tgacggttac ggccttgcgtg 180
tctgtatcc acggccgccc agatattcaa gcatgagagt gtctctgccg tcgcatacag 240
gataagtact tagatatata agcaaagata taccaagggc ttgattgcgc gcgtccacac 300
cgtcgtgctt gccacaatgg tgtttgatac tctcaatgct cccagccgt atcaagagca 360
ttatccaccc cgggtggaacg tacaccactc gtcctccccg cttccaaatg gacactctat 420
cattccaaat ggacactcta tcattccaaa tggtaaaact gccgtagcag tgaccaatgg 480
agcagataac caacatcagc ataaaggcaa ggaggaagaa atcatctccg cacctgtgca 540
ctatatctcg accctcccag gcaaagacat tcgcggtaaa ctcctctcgg cttcaacga 600
gtggttccaa atcccagatg agcagttgga gatcatcaag cgagcgggtg ggctacttca 660

cgtggcttca ttgctgtagg ctctttcacc ctcacccacc aaaccatcca gttcagacag 720
 attgacaatt tgtgtacgcg cagaatcgac gatatcgaag actactccaa actccgccg 780
 ggcttccttg tgcacacag catcttcggc attccgcaga caatcaactc tgctaactac 840
 gcctacttcc aagcacagaa cgagggtgctg aaattgcgca gatgcgagaa agccttacgt 900
 atctttacag aggagcttct gcggtgctgac agaggccagg gaatggatct ctactggagg 960
 gattccctca cctgccccag tgaagaggag tacctggaca tgggtggcaaa caagacgggc 1020
 gggctttttc ggctcgccat taagcttatt cagttggaaa gtgacgttga tgagttcgtg 1080
 cgctcttga gtttcttcca ttattttaga caagagctga acagacttga ttacggcgca 1140
 gggactgctg cccctagtgt gacctgctag gtataatctt ccagatccga gacgactacc 1200
 agaatctgca gagcgaccag tatgccaaaa acaagggatt tggcgaggac atcacagagg 1260
 gcaagttctc gtacccgatt gtccatagta ttcgaagtag cagtcgtact ggtgtcggga 1320
 gcgacagcag tctgcaactg ctgagcattt tgcgccagaa gacggaggac gaagccgtca 1380
 agaaatatac tattcagatc cttgagaaga caggcagttt tgagtttacg aggcagaagt 1440
 tgagggattt gacagcgagg gctagggata tgcttactga actgaggag aggtcggggg 1500
 ctggagcggg ggctgcgggg ttgcttggca tattggattt cctgga 1546

<210> 20001
 <211> 1546
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20001
 gttccgcgca cagcagaacg cttttgacga tgcagtcggt acggtgcttt tgagcagtat 60
 cctttttgat gaaggggggt tcttagcttc tatatgctaa tcgctcgttt ttcgcaatag 120
 ccaaagcaac ggatgagaac ttgacctccg agaactggga gtacattctt gtatgcaatg 180
 cccgctgcat ttccaagaca tgcctttttg gatcagttaa gcatagatca tctaactttt 240
 gatgtcgcgt tcacaggatg tatgcgataa ggttggggct gaggagtcag ggtaggatac 300
 tggctcttga tcattgacaa gtgatgctgt tgaacaactc cactgactgg aatcaaatac 360
 agtgcaaagg atgcggtcgc cgctttgatc aagagactcg cacataggaa cgccaacgtg 420
 cagctgtaca ctctcgaagt gcggtgcaca atccttcac caactgcgcg agactgacgt 480

tatttagctg gccaatgcat tagcgcagaa ttgcggccct aagatacatc gcgaactggc 540
gtcacgaagc ttacagacg cactcttgcg tctcgctggt gatagggtat gcctccacct 600
tagtctaacg gatcattttt actgactggg ggaacaagaa cactcatcag cagggtgaaat 660
ccaagattct ggaacgtatg gaggattgga cggagatggt cgctagcaac ccagatttcg 720
ggattatgga acaggctttc atgaagtga ggacacaaag tacgcactat tccgtttcct 780
gaatagggtct tatagcttac atctcccaag acccgaacct acaacccccg tcgaagcccg 840
ggaagcggga gattaccgac ctatgcgcc agaaagaaga ggaggaattg cagatggcgc 900
ttgctctttc tataagagag aaatccggtt cagccctca gccgcagggt gagagtagta 960
gctcggtctc agctccagaa aaccaagcac aagctgcgcc tgctggacca gttccttcag 1020
gtacttctgc tgctacagtt tctagagtta gagctttgta cgattttcag ccgtctgagc 1080
ccggagagtt acaatttcgg aaggagatg tcatcgccgt cctagagtcc gtgtataagg 1140
attggtggaa gggctctctg agaggccaga cagggatttt cccgcttaat tacgtggaaa 1200
agcttctga tcccactggt gaggaacttc agcgggaagc tcagatggag gcagaggtgt 1260
ttggccagat caagaatggt gagaagctat tgactcttct aagcacgcgc agtcagaac 1320
tcaatgtcca ggagaatgag gaaatcacia acttgtacaa ctcaacatta tcaatccgcc 1380
ccaagttggt tgagctcatt ggaaaatatt cgcagaagaa gggatatgtct cccaactcct 1440
taggtcagtc tctttcagtt actgacttac actcgcagat gagttcactc aactcaacga 1500
aaagtttatc aaagcgcgaa gggactatga atctctcttg gaggcg 1546

<210> 20002
<211> 1548
<212> DNA
<213> *Aspergillus nidulans*

<400> 20002

caatgoggag ctaacgttgt ttgtgcagcg gcggctacaa tgtccccctt caggcaaacc 60
cgttcagcaa tgaccttaag gtcctagatt gtggtgatat ccctgtcact tcgtacgcct 120
ccctcagtcc gatgtcaata ccagaagatg tatgtgctga ctgccgcagg tacgataacg 180
cctgggcgat ccagcagatt gaggaagggc acaacagcct cctcatgcgc aagccctaca 240
cctccgcca aaggtacggg ctctcgcgcg caggcaagac actccccctg atcataactt 300

tgggaggaga ccataccatt acgctgcctc tgtgcgagcgt atcaacaagg cttatggccc 360
 tgtgactgtc atccatttcg actcgcatct gtatgaatcc ctcccctatc aacagtccat 420
 cccctctcca gactagatga agattttctga cccattgcag tgacacctgg aaacctaag 480
 tcttcggtgg ctccccagc gaagtcgcct ccataaacca tgggacatac ttctaccacg 540
 ccgcaatgga aggcctcctc cgaaacgaca caaacatcca cgccggaatc cgcacaacgc 600
 tgtccggacc ttccgactac gaaaatgatg gatatgtcgg attcgagatc gtggaggcac 660
 gtgaaatcga cactattggg accgagggtg tcatcaagaa gatccgcgac cgcgtaggga 720
 acgacctcctc caccctgatc tacctgtcca tcgacattga caccattgat cccgcatttg 780
 cgcccgaac aggaacgccc gagaccgggg gatggagtag tagggagctg aggactttga 840
 ttcgagggtc tgatgggttg aacctcattg gggcggatat tgtggaagtt gcgccagctt 900
 atgataccaa tgcggaactg acaactatgg ctgctgcgga tgtgctgtat gaggtgctga 960
 caatcatggt caagaagggg ccgttgacgg ttgatgagcg gagtgacttg tgaaatgggtg 1020
 atgagataat gagatgtttt tctatgacgg tggataaagg tcgaacttca atatcttaag 1080
 gtgacggtac atggataata ataatgctct aacgaaatcg aaacaaagta atgctacctg 1140
 agcaaaggca tcattggatc ttgccatttc ttttgccatt tccctctgtt cgaaacttgc 1200
 actgaaattc cggcaaatgg gcctgcgtgg tagatactac catgctgtat gatagtttagc 1260
 caagttactc cagaacggct taattgccat cgcttcgata tccatatcca tatccatatac 1320
 tcactactag atatgtctac acatgggacc agcgtttttag taactggaca gcttatatac 1380
 cacccttagc cctgatagaa atatctagcg agataataga cagggtggag gtgttagcgt 1440
 ctgaaatgac tctggtcggc atgccttctc accagcatgc tgtggagtcc agtggcagta 1500
 ctagcggccg tcatcattca acaggtaaga actgagttga aaagatat 1548

<210> 20003
 <211> 1548
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20003

cgctgcgcaa agaccacgaa tgcggctgag taagcgcaca gcttgacatc gacatgaatg 60
 ccaagagtca gcctgtccat caccgcggga ttcatttcta gatttctctc tttgcgagac 120

aggtcactta cttgctgata cgtctcctt ttcgctgaa agcttggtt cgtccttg 180
 agaagcacc gcctatttgc ttcgtccatt ccccgctgca agggcatgcc gcagatcgat 240
 gggaggagct cctctttgcg caacacatcg acttgaatcg tcattgacac catgggccgc 300
 ccggtagtgg agggccagcc ggacgctggg ttgaggagtt tagatcattg tacgcaagat 360
 ttctgaccat atccttactg gatctgaaat tgacttcttc atgctctaga tcgaaatcaa 420
 ctccctcctt ggcgatactg gccccgacaa aagcttctcc cgttgatacg atatgagacc 480
 ccttacctgg cttgggtgcc ggagaagatc cgtaccccg cattggattc gtatttcgca 540
 ttcacagcga atctcggaac tcatacattc tttatggtct ttctgccgat cttcttttgg 600
 agcggctatc caagcttagg ccgggggtaa gtcgtcaagg gaattcattg aagcgattaa 660
 ttgaccgct tgggtggcta acggtgcgct tcaattagaa tgggtccattt actggcttcc 720
 ggcgtgttct tcagcggctt cattaaagac cttctctgtc tcccacggcc gctgtctcct 780
 cctttacagc gaatcacaat gtctggctcc gcggcgctgg aatatgggtt tccttcgact 840
 cactcaacca acgccgtatc ggtcgcggca tacgctcttt atttggtgaa ctgccccgac 900
 tcgactttga gtgacggcct aaacttcttc ctccaaggca ttacgtatct ctatgttaca 960
 tcgatcgtct taggccgtct gtactgcggt atgcacggat tctttgacgt tgtcgttggg 1020
 tcggcggttg gtgttctact ggctgtttta cattgcactt tcgagaccgc tatagatcac 1080
 tacgtccagg ttggtagcgg aaagcaggtc gactcgtgg ttcttgatcat cttggccctt 1140
 gtccgcatcc atcctgaacc cgcagacgat tgtccatgtt ttgatgacag tgttgctttt 1200
 gcgggtgtaa tgatcgggtc acaggtggca tactggaatc tggcgcgagc gaatgcgacc 1260
 tggaccaacc cgcattccagc aactcttccc cattcaaggt atgagagcct cggctgggta 1320
 actatgggcc tacgttttct tatcgggggt gtgctattat ttgtatggag ggaaaccatg 1380
 aagcccaccc tgttacgcat tctccgcct gtattccgcg ggttgagaa gtcggattg 1440
 gtccctacct gccgctattt taaaacgcc tcgtgagtta atcttcagga gtcattaatt 1500
 gcgggtccgct aaatcatata caaggcaata tacaaccgtc ccctctca 1548

<210> 20004
 <211> 1550
 <212> DNA
 <213> Aspergillus nidulans

<400>

20004

attccaactt ctaaaaacca cctcaggcaa cagcttcaga catcctccca aatacagata 60
ttgccatata aggggggaaa atctacctcc tcggacaaaa cctctcatcc ctctttccta 120
ccgcaccaac cctctccgca gacggtgcct atgtcctccc cggcggcgtc gacagccacg 180
ttcacctgca gcaagacaac agtccgacgg gggatacttg ggagacgggc acccgatctg 240
caattgcagg aggcacaacc acagtccctg cattcgcgtc tcaaaaacgc actgatgggt 300
ctctcttccc tgtagtgga gagtaccacc gccgagcaag tggcaatgcc ttttgcgact 360
acgggtttca tcttatcctg agcaatccga cagagaagat cctggctgag gaactcccag 420
tcttggtcaa ggaagagggg atcagtagtg tcaagctgta catgacctac caacccatgc 480
gtctgcggga ctctgagtta ctagatgtca tgggcacaac ccgctctctc ggcattgacga 540
cgatgatcca cgccgaaaat gctgacatga tcgactggat gacaaaacga ctcgaaagcc 600
agggtcgaac tgaaccgtac gcacacgcat tggcccgctc aaatatcgcc gaagatgaag 660
cgacataccg cgccctttca ctgtctgaac tcgccgacgt gccgattctc atcgccaca 720
tgagctcatc cgtacggcg aaacatgtcc ggcgcgcgca gacaaagctt ctccccgttc 780
atgcagagac gtgtccgcac tacttattct tcacaagcga gaagctaaag ggggaggact 840
tccgtggggc gatgtgtgtc tgttcgccag cgttacgtga ggtccgatg gatctcaagg 900
cgatgtggga tgggtggtg aatggcacgt ttacgacatt ctcgagcgat catgcgccgt 960
caaagtatat cttctacct agccttctac atcaactgcc tacagtagca ccgacaaggt 1020
agagtatgcg ataggctaac cttgactaat cgagcagatt cgaccaccag ctcggaaga 1080
agaagggcac aagctctttc acgcagatcc ccaacggtct cccggggtg gagacgcgca 1140
tgcectcgct attctgcgcy ggcggttctaa cgggcccgtct gtccgttcaa aagttcgctc 1200
aattgacggc ttcgaatccg gcaaagctgt acggactgtc agatcgcaag ggaaccatcg 1260
caccgggcta cgatgctgac ctggtgattt ggtatccgac agccgagcag gcggaagcaa 1320
tgcaagcggg ctctagttct agagtgcga tgaaatcatt ccagctgaag aacgaaatgc 1380
tccatcacga tatcgactac acgccctttg agggaatgga gttcaccaat tggccacggt 1440
acacgattct cggggggaag cttgtctggg atcgagatgg aggtggtgtt attggcggca 1500
aaggggacgg agggctactg aagcgcggta tgagcacgct gagcaggccg 1550

<210> 20005
 <211> 1550
 <212> DNA
 <213> Aspergillus nidulans

<400> 20005

```

ggccgaattc caggaccaca ccaaggcctt ggaggtcttg gagaaggagt acccgatcaa 60
ggatgggtctt gatgtcgaca ctctgcttga ttctgacaag cacgggtgcgc tgacctacaa 120
tgacttcttc attcttccgg gatatatcgg taagccgcgc gctgggtctcc taaaccacgg 180
tccgtgactg aacttcgatg gcaagggtttt cctgcttccg atgttactct ggacacgcca 240
gtcaccaagc gtgtcacatt gaaggctccc cttcttttct cgcctatgga cacgggtgacc 300
gaacataaca tggccatcca catgggtctt ctgggtggct tgggtgtcat ccaccacaac 360
tgctctccgg aggaccaggc tgagatggtc cggaaggtta agcgttacga gaacggattc 420
atcttggatc cgttgtgtgt ttctcccagg gcgactgtcc gagaggcgaa ggagctgaag 480
gcgaaatggg gattcggcgg cttcccagtt actggtaagt tctactttgc ttctcttctc 540
cctcttttct tgatgattcc catctatctc ttatataact ttcgttccac tgaagcgacg 600
agagttgcaa tgtagagaaa aagattttat ctgatttcta tataattgca tttctggctc 660
aaacacttaa ctggcaaata agttatgctg actgattttg ttctcagaaa atggaactct 720
ccgctcaaag cttgttggtg ttgtcagcac tcgcgacatc cagttccaca acaacctcga 780
cgactctgtc actgccatca tgtcgaccga cctcgtcacc gcacctgctg gcaccacctt 840
ggctgaggct aacgaggctc ttcgtagctc caagaaggga aagctgcca tcgtcgatga 900
gaacggcagc ctcgtctctc ttctctctcg cagtgatctg atgaagaacc ttcactaccc 960
tcttgcttct aagttgcccg cctctaagca gctgatctgt gctgctgcta ttggcaccgg 1020
cgaggaggac aagcaccgac tgaagctcct cgtcgaagct ggtcttgaca ttgtcatcct 1080
cgacagcagt caaggcaaca gtatgtatca gatcgagatg atcaaataca ttaagaagac 1140
gtaccctgaa attgatgtca ttggcggaaa cgtcgtgact cgggaccaag ccgcggctct 1200
gatcgtgct ggtgttgatg gcctgagaat tggcatgggc agcggcagtg cttgtatcac 1260
acaggaggtc atggctgtcg gccgtcccca ggctctctcc gttcgccgcg tcaccaatt 1320
tgcggtctgc tttggcgtcc catgtatcgc tgacgggtggg atccagaatg ttggtcacat 1380

```


tgtcaagggt ctcgctatgg gcgccactac cgtcatgatg ggcggtctcc tcgccggtac 1440
 caccgagtct cccggtgagt actttgtcag caacgaaggc cagctcgtga aagcctaccg 1500
 tggatatgggc agtattgcgc catggaggat aagaaggctg gcggcaacgg 1550

<210> 20006
 <211> 1552
 <212> DNA
 <213> Aspergillus nidulans

<400> 20006

cgacgatctt gagcgcgagg agagagacaa gaagaaggag caaggcgatg gcggcgatgg 60
 caagcaacct ggtggtgatg gagatgccga aatgaaggat ccggatgcga agaagaaaga 120
 tgaggatgac gatcttctag acgaggaaat cctgaattca agcacagcgg acattatcaa 180
 gcggcggcga atgctggaga acgagcttcg cataatgaag agcgaatacc agcggctgac 240
 gcacgaacaa aatacgatga aggagaaggc caaggacaat caagagaaga ttgagaacaa 300
 taggtgagac ttctagctct tctagatggc gtggcgattt ggaactccac cggaaaccag 360
 gaactgggcg cagagtttcc tgccaatagg ggctagtagt cctcgttcat ttctaacatt 420
 catatcatag gcaactaccg tatctcgtcg gaaatgttgt tgagctgcta gatttggacg 480
 tcgaagctga agctgccgag gagggcgcca acatcgatct agacgccacc cgagtaggca 540
 aatccgctgt catcaaacg tcgactcgtc agaccatcta ccttcctctt atcggttag 600
 ttgatcatga gaagcttaag cctggtgacc ttattggtgt caacaaggat tcatacctca 660
 ttctcgatac cctgccggca gaatacgaca accgggtgaa agcaatggag gtcgacgaga 720
 agcctacaga gaagtacaca gatattggtg gtctggataa gcagattgag gagatcgtcg 780
 aggctattgt atggcccatg aaggaagcag agagattcaa gaagcttggc atcaaggcgc 840
 cgaaaggtag ttatcaacaa gtatctggtg taaacagact cacaactaat actgctcata 900
 ggtgctctga tgtacgggcc tcccggcaca ggaaagactc ttctcgcccg agcctgtgca 960
 gcagaaacta acgcaacctt cctaaaactc gccggccccc agctcgtgca aatgttcata 1020
 ggtgacggcg cgaagctcgt ccgggactgc ttgcgccctg ctaaagagaa ggctccctcg 1080
 atcattttca ttgatgagct tgacgctgtg ggcactaagc gtttcgactc tgagaaatct 1140
 ggtgatcgtg aagtccaacg aaccatgctt gaactcctta accagctcga cggatttgcc 1200

tcggacgacc gcatacaagg tctcgccgcc accaaccgcg tcgatgtcct cgaccccgcc 1260
ctctccggtt cgggccgtct agaccgcaag atcgaattcc ctctcccaa tgaggaagcc 1320
cgcgccaaca tctccagat tctctcgcg aagatgactg ttgaggactc cgttaactgg 1380
gctgagttgg cagcgagcac ggatgagttt ggtggcgcg agttgaaggc tgtctgtgtg 1440
gaggctggta tgattgcgct gcgaaagggg cacagcaaga tcgggcatga gaactatgtg 1500
gatgccattg ctgaagtcca ggcaagaag aaggatacga acatgggtat ct 1552

<210> 20007
<211> 1560
<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
<400> 20007

tgaccaaaca gcgtttgaac aagagacaaa agacaatgtc gtcgactggg atgggccagg 60
cgatcccat aatccacgga actggccagc atggagacgc atgagccaag tcgtgctcgc 120
cagcggttct ttgctcactg cgtaaggcgg ttactgtact cctttgggtga agccattccc 180
gtgctgactg atagccctac agcaacctcg ccgcgacaat gtttgcccct ggagccgcct 240
cgcttgcgaa ggagttccat atcacgagtt ccaccattgt cagtctcacc gtgtccattt 300
acctttgcgg cttcgccgtt gggccaatgt tcattgcccc gctctctgaa ctgtatggac 360
gtcttgat ctaccacgcc tgcaatgtca ttacattgg cttctctatc ggatgtgcgc 420
tgggcaaaaa cacaggcatg ttcctcggtt ttcgatttct ggccggatgt gcatcttcgg 480
gcccattgac agttggtgga ggaaccgttg ccgacgtcgt cccgccgct cagcggtgaa 540
gggcatgtc tctattctct acaggaccac ttctgggacc agtaggtgac atcgcccgca 600
tgatccgtca taatgctgac gatcattcag gtcttgggccc caattatcgg gggtttcgtg 660
tccgagttaa tcggctggcg atggacattt tggatcatta cagttctagt gagtgaagta 720
cgacctctgc tattctcgag tcgctgacag ttogacctag gcaggagtat tgttcatcat 780
atcgatcttc ttcctccgcg agacaaatgc cgccgtgctg ctagaatgga aggctgctcg 840
tctccgaaa gaaactggta atacggctct ggtttcgaag atggatcgag gcctgacccc 900
ccgccagcta ttcgtccgcg cgattactcg accaacaag tttctctct tgtcccctat 960

cgtgctcctc ctatcacttc tgtgcgcgtt cgttttcggc ctctttttta tgctgttcac 1020
 tacgtttccc acggtctttg aggaacaata caatttctcc gccggcattt ctggcctgtc 1080
 atatctcggc gttggaattg gaatggccgt ctctctcgga gtctttgccg ctgtgagcga 1140
 caagctgcaa aaggcacttg gagattcgcc caaacctgaa gggcgccctaa agcccatggc 1200
 gtgggtcatg cccgcgcgtac cggtcggcat cttctggtat ggctgggctg ccgagaagca 1260
 gactcactgg atcgtgcccc tcatcgggac atccttcttt gggttcggcc ttctctggat 1320
 cataatgccg acacagctct acatgggtga tgcttttggg cctnngagtg ccgcctctgc 1380
 tttggctgca aacgtcattc tccgacttct ttttgagct tttgttccat tggcagggcc 1440
 acctttgtat gcggatctag gacttgggtg gggaaatagc gttctaggtt ttataggcgt 1500
 ggcttttctt ccagtgccac tctttttcta tcattacgga ggatggctta gggagcggtt 1560

<210> 20008
 <211> 1564
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20008

ctgcccccaa tgggcacaaa tacgagcagc ctattggttt atttataaac aacgagtttg 60
 ttgcatccaa gtctggcgag aaatttgcca cgtcaatcc caggtatgca tctctgggtga 120
 tgcacggtag tagctatatt ctaatatacg cgctagtgat gaagaggaaa tcacccaagt 180
 ttatgctgct ggagaagagg acatcgatat cgcagtcaag gcagcaagaa aggccctcaa 240
 agatccctca tggaagcttc ttaccgcaac agaccgaggc aatctgatgc tcaaattggc 300
 ggacctcatt gaccagaaca aggaaacctt ggccgtcatt gaaacatggg acaacggttg 360
 gtagaatttg tcaattttat ctcaacctat tctctaactt tcataggcaa gccgtaccag 420
 gtttccttaa acgatgacct ctcgagggtc gttaacacaa ttcgctattg tgccggatgg 480
 gccgataaga tccacgggca gaccattagc acaacaccgg ccaagtttgc atacacccta 540
 cgtcaacctt ttggcggttg tggccaaatt atcccatgga atttccccct agctatggct 600
 gcatggaagc tgggtcctgc gttggcctgc ggcaacaccg ttgttctaaa gcctgcagag 660
 cagactccgc ttagcatctt gtaccttgcc aaattcatta aggaagccgg tttccacca 720
 ggtgtcgtca acattgttaa tggccttggg cgtgtggcag gatctgcatt ggttacccat 780

ccaggcgtgg ataaggttgc ctttactggc tcgaccatga ctggtaagga aatcatgaag 840
 atggctgcag gaaccatgaa gaatgtgact ttggaaactg gcggcaagtc acctctgctt 900
 gtttttgacg atgcagacct cgagcaggcg gccaaagtggg cacatatcgg tatcatgtac 960
 aaccaaggac aggtctgcac ggctacgtcg cgtattcttg ttcacgaaaa ggttcacgat 1020
 gaatttatca gacttttccg cgaggccgtg gcgactacca gcaagggttg agaccattc 1080
 tcagatgaca cgttccaggg cccccaggtt accaaagccc aatacgagcg tgttctttct 1140
 tacatcgaga gcggcaagca ggagggcgcc accctggtcg acggcgggtg cccatacaag 1200
 aacgtcaagg acggcaaggg tttctttatt gcgcccacaa tcttcacaaa cgtcaaggac 1260
 aacatgcga tttaccgca ggaagtgttc ggaccgttcg tcgccattgc cagattctca 1320
 actgaagagg aagccatcga cagagccaac gacacaacct atggactggg agcagccgtc 1380
 ttcacgaagg acattgagcg agcccaccgt gttgcatctg aaattgagge tggaatgggtg 1440
 tggatcaaca gcagcaacga cagcgacttc cgcgtagcct ttggtgggtg caagcaaagc 1500
 ggtatagggc gcgaactcgg cgaagctggc ttagaggcgt acacccaaat caaggctgtg 1560
 cacg 1564

<210> 20009
 <211> 1565
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20009
 ggctggcacg cagatgggta atgcggcctg ggaactgtaa gtctttatta ctttgtgatc 60
 cttctggcag cggctaactg ctcgattact atctagttat ctctcgagc acggcctaac 120
 ggccgatggg catgtcaatc ccgatatcac tacggacatc caccggaacg actcctatgt 180
 gacaattttc accgaacttg gcaatggcaa attcgttcct cgctccatct ttgtcgacct 240
 cgacccttcg gtgtgtaacg ggcgagtagg gagctggaat ttgagctgac aggcttatgg 300
 tggatatagcc tatcgacgag atacgcactg gtacctaccg ccacctgttc caccctgagc 360
 agctaataag cggaaggag gatgccgcca acaactgtct gacctccgaa tatttgagag 420
 ccgcgtggta agccaagcta atgcgttcta gatgctcgtg gtcactacac cgtcggcaag 480
 acgcttggtc gaggcgttgt tgaccgcatt cgccgtgtgg ctggcgtgca ttggaaccct 540

tcctgagtc ctggattata tactaatttc cttggagata gctgctcttc acttcaaggt 600
 tttatgatct tccacgcctt tggcggcggg accggctccg gtttcggcgc acttttactt 660
 gagcatctct cttcagaata tggcaagatg tccaagctag agtttgccgt ctacccatct 720
 cctcgcacgt cgactgccgt ggtggaacct tacaatgccg tcctatccac gcatagtacc 780
 attgagaact cggagtgcac tttccttatg gacaatgaag ctgtttacga tatctgtaag 840
 cgcaagcttg acatcccccg cctgggttat aataacctca accgtctcaa cgcccgggtc 900
 gttagctctc ttaccaccag cctgcgtttc aatggtgacc ttaacattga cttgaatgag 960
 ttccagacta atcttgtgcc attcccgcgt attcactacc ctctaattctt gtatgctcct 1020
 gttatctcta gtagctgcag tacttacaag agcttcaagg tcaaggatct taccttgcag 1080
 tgtatgtgtc ctgtcttttc ttctaaaata tcccttcagt ctaactgtct ggcaggcttt 1140
 gaacctagga accagatagt catctgcaat cctcaaacta gaaagtatat agcagtagct 1200
 ctcttgtacc agggatgatg aatgcctcat aattgcgccc gggctattac tgatatcaag 1260
 gccaaaggcct cttttaacct ggtcaagtgg tgtccaactg gttttaaaact tggcattaac 1320
 aaccagaagc ctatgtttgt tcctaacagc aagcttgctt ctattaactg tttagtcacc 1380
 atgctctcta atttgaccgc cattgctgag gcctggagtc gccttggcca caaattcaac 1440
 cttatatact ctaaaccatgc tttcatttat tagtacgtgg gtgaggggtat ggaagagggc 1500
 gaattctcgg aggcccgcaa gaacctagca gttctagaga aggactacga ggagatcacc 1560
 ggcca 1565

<210> 20010
 <211> 1566
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20010

gccgatctag atgaaattgt cgataagatt gtcagtgggt tattcagcgt cacgtgtaca 60
 atgggtgcgt aattactgaa tggctgggtg acattcttac tgattggacc aggtgccata 120
 ccgatcatat gctgtccaaa aggaggtgca gctgagctta tcgcgacaaa gctagatcgt 180
 aaattacgcy atcacattct caattccaaa gacaacttat tctcagctaa caaaaagtcc 240
 acccccgggtg ttccttcacg acggccgggt ctcacatcgt ttgaccgcaa cgttgatttg 300

gttcccatgc tctcacactc gtggacctat caatcgcttg tgcaagatgt gctgcagatg 360
 cgactcaacc gtatcacggg agaaacacct gtggatgagt caaatcctgc cgctggcaca 420
 acaaagaagg cctatgatct cggcagtaat gacttcttct ggaagcgtaa cgccggtgcc 480
 ccgttcccgc acgtggcaga ggatatcgac gccgagttaa cacgatataa agaggatgcg 540
 accgaaatca ctaggaagac cggagccttc tcgatcgagg accttcaagc agatacgagt 600
 gcctctgcgc agcacctcaa agccgccatt actcttctac ccgagctacg agagcggaaa 660
 tcgattctcg acatgcacat gaacatcgcc accgctctgc ttaagggat caaagaccgc 720
 caactagata acttcttcga gcttgaagag aatatacca aacaatctaa agcacagatt 780
 ctcgagttaa ttagtgacct taccaagggc actaacccea cagacaaact ccggatattc 840
 ctcatctggt tctgagcac agaaactgaa ctctcccggtg cagacatcag ccaattcgaa 900
 gaagctctta cccgcacggg agtccaggac atcagcccca tcgcttacgt caagcaagtc 960
 cgcgagctca cccgatgac catgatgacg acggccactg cagctccaca gcagcaatcc 1020
 tcggacctct tccgcggtt ctctccctc tccaatcgcc tcacagaccg catcacttcc 1080
 gcgccctagg cgcaaacttc gactccctca tctctggagt caagaacttc cttcccgcga 1140
 acaaagacct caccctcact aaaattaccg aatcaatcat ggaccccgcc tccgctcta 1200
 gctctgcaat tgccaaaaca gagaactacc tctacttoga tcccaggagc acaaatgcac 1260
 gcggaaccat cctcctgca tctgctgcc gcaacactca gcaaggcgca tcatcaagcg 1320
 gctcaggtat acaggctagc tttgggcagc gccgccaggc ctttaatgaa gcgattgtct 1380
 tcaactgttg cggtggcagc atggacgagt acggcaattt gcaggactgg gtgcaacgca 1440
 cgagcgggca gcaggccat gagggggcag gtaacggccg cactgggcat gaacctcttg 1500
 gtggtccgag acggcgggtt gtctacggta gtactgactt gatgaacgcc aatgaattct 1560
 tgaccg 1566

<210> 20011
 <211> 1573
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20011

ggagctggct cacaggccat ctctcagcc tgaagaaata tactgatcgc ctaccagccg 60

atgcgcatgt tctcttgccg actcatgaac tggccgtgga gtttgccgat actgaaatgt 120
 tcttgatgga tacctggccg gtgtttcctg cacttggtat ggtctatgac ccggatgccg 180
 cactgcagat ctcgaccaag tacaatctgc ccaagtctgc tatttttccc agtctgatgc 240
 atccaatcac cggcggggccg agtatgatat cgatgaacga tgccgagtg gaaatggc 300
 gttcgatttt taatcctggc ttcagtgtg ggaacatggt tgaccaagtg tcgactgtcg 360
 ttgactcggg tcaggtcttt tgtgatattc tacgtgagaa ggccgggaca gggttgggtcc 420
 atctggacga cctgacgacc cgactgacga tggaggtcat actcaagggtg accctgtgag 480
 ataacaacgg cagccttctt ttctgttttg taaccacat gtctaattgg gctctagtga 540
 tatggactcg aactatcaac gctctgataa cgaaatgggtg cacgcgctaa atactatcac 600
 gaaatggcac tcattctggg acccgcgct cctgcaaact ccgctgcggc ccctgggtca 660
 aaaatactac ggccgtgtca tggataggtg catccggaaa gaactcgaca agaggtttgc 720
 agagatgcaa caaggccagc gctcggcctc gacctccaaa cgcgttaaat cggttatcgc 780
 cctcgtcttc gaggcatacc tggctgatta ccacaaaaa gacggcaaag ccagcaagct 840
 agacgacaat ttcgcacaat acgcaacca ccagatccgc ctctttctgt ttgccggcaa 900
 tgacaccaca tccagtagta ttgtctacgt gtatcatatg ctctcaaaac accccaaagc 960
 tttagctcgg gtgcgacaag agcacgatcg tatctttggc aactgcccgt ccgccgcacc 1020
 acaacttttg aagtcgaacc cagccctcct aaatcagtgc cttacactc tagctgtcat 1080
 caaagaaacc ctgcgtctgt tcccccggc ctcaactaca cgtgagggggc gcgacggagt 1140
 caccctcacc gaccgccttg gaaatagcta tccactaggc cataccattg gcgcagaaat 1200
 aatccatccg accatccata agaatcccag gctctggcca caagccgaag aattcatccc 1260
 ggagcgtctg cttgtagatc ccgggcacga actctatccg agtccggctg catggcgccc 1320
 gtttgagcac gggccgcgaa actgtatcgg gcaaacccta gtctataacg agatgcggat 1380
 agtcatagtg atgactgcga ggacgttcaa tatcaggccc gcgtatgacg agtgggatgc 1440
 aatgcattga gaaaagaag ggcttttggg gaaacttgct agagggttag gaattgggtg 1500
 taatccgctc aagactgtgc atggcgagag agcgtatcag actgagaagg ctggaacaca 1560
 tccggccgat ggg 1573

<210> 20012

<211> 1574
 <212> DNA
 <213> Aspergillus nidulans

<400> 20012

cgacgactat cgctcgaatg gtgattacta ccgtggcggt ggccgcgcac gcactcgatc 60
 tcgatctcct tatgatgaca gatattaccg cccctcagcg cgttcccggc gggatgagcg 120
 tgatgaagaa aggcgacctc gccgtgaacg cgaacctcgc aaacgaagtg attcgagaga 180
 tagaagccct gaactcaacg aagacgaacg cgaccggcgt actatctttg tgcagcaact 240
 cgccgcacga ctgagaacta aggagctgat tgccttcttt gaaaaggctc gacctgtcaa 300
 agaagctcaa atcgtcaaag accgagttag tggaaggctc aaagggtgag tttcatcctt 360
 tctccctatc ttttgtctat cgctaagaag tccattctag tgcgggttat gtcgaattca 420
 aagacgagag ttccgttgcg cccgctatcc agcttacagg acaaaaactt ctaggaattc 480
 cgatcattgc gcaattgact gaagccgaaa agaatcgcca agcccgcaat tccgaggcaa 540
 gcagtggcaa taaacactcc gccccttttc acaggcttta tgtgggtaat atccatttca 600
 gtatcgatga gaatgacctt cagagtgtct ttgagccata tggcgaactt gaattcgctc 660
 agctgcaaaa ggacgaaacc ggtaggagca ggggctatgg cttcgtgcag taagttcccg 720
 aacccctga actgtattat ctgcacaata ataacgtctg tattctcagg ttccgtgacc 780
 ccaaccaggc ccgggaggca ttggaaaaga tgaacggcta tgaccttggg ggtcgggcta 840
 tccgcgtcgg ccttggaat gataagttca ccccgagaa cactcaacgt acccagagcc 900
 agagtgcaaa ccaaagtaac tttcagggct ctatgttctc gggctctggc ggacgtggtg 960
 tccaggctgg aggcaccagc aacttcgatc gtgcgggtgg tcgtgagcct gagaagggaa 1020
 ccgctgccag tgccttagat gacacagacg ttgccggtgt gaacttcaac aacttcagta 1080
 gagacgcatt gatgaggaaa cttgcaagaa cagatgaacc tgctgagccc tccgcagacg 1140
 acaaacagca aaagatactc cttccgaaaa ctgaacccaa gcctttaccg gttaatgtca 1200
 acatggcgag tcggtgtgtt ttgcttcgca acatgtttga cccggctgag ttcgtaacac 1260
 ctacctgcat ctataacgct gaccttgctg accaaatctg tagggaggag ggtgaatcct 1320
 gggttaagga gctggaggat gacgttcgcg ctgagtgcga agaaaaatat ggccatgttg 1380
 ttcacattgc actagatcca aattcccagg ggcacatata cctgaagttc gaccgcgtcc 1440

agggtggaga gaacgccatc aagggcctga acgggcgctt cttcggcggc agacaaatca 1500
 ctgcgcaacc tgtcgtcgat gctgtttaca gcagcttggt ttcccgaaca aaagcaatct 1560
 aatcttcacg gacc 1574

<210> 20013
 <211> 1575
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20013

cgccgagcag tatccgattg cggattatat ctctctgcc actgcctctc cagctccgat 60
 tccaagatc caatacgact tccccgccga atcatgggtt gctcgtatat ggcggaagag 120
 gaagcagggc gcggtgaagg aggctttcaa gcatgcgtgg aagggctaca aaagcaatgc 180
 ctgggttgccg gatgaactgt cgcctttaag cgggtggatac agaacttcct ttgctggctg 240
 ggcagccaca ctgggtggatg ccctggatac attgataatc atggatctta cagacgaatt 300
 cgaggaggcg ctggaagcac tcgagcatat tgatTTTTca accaccgatt caatccagat 360
 caacgtgttt gagacaaata tcagatacct cggaggtctt cttggtgcac acgaccttac 420
 agagggcaga taccctattc ttctgaagaa ggcgactgag atagccgatt ttctctacgg 480
 gtcgtttgat acgaggaata ggatgcctca gtctcgggtg gaggggacaa ggtgagaatg 540
 cattctgggt actgcttga caggccagct tcggccctca aaatgattat ttcacatata 600
 tgatagtagt tagatccgca tcgggccaga ccattcatcc tagtgggaac actattctcg 660
 cggagctggg ttctctgaac ctggaattca cccgatgtc ccagttgacg ggagaccaga 720
 agtactttga cgcgattcaa cggatctcag accacttaga atcagctcag aaagaaaccc 780
 tgggtgcccg tttatggcca atgatgggtg acgccgagag catgcgggtt tccgatcctc 840
 ggtacacaat tgggtggtatg gcggattccg catatgaata cctccctaaa gagcatatgc 900
 ttcttgaggg tcggacgcaa cagtatcaac gaatgtacga atccgcaatt ccagcgatca 960
 aggagaggat gctgttccgc ccgatgacca aggggtggaga agatataccta ttttcaggta 1020
 acatttacgc tgggtacaaag gccagtcgga aaaaggtaga ggcacaggcg gaacacctca 1080
 agtggttatct tgggggcacg attggcatcg gggccaaagt gttcaatcgg cctgaagagc 1140
 tgtcaatcgc tcgcaagcta accgacggct gcatctgggc gtacgatata atgcctctg 1200

ggatcatgcc agaagtcacg tatctcagcc cttgcgacga cttggaaaac tgtccatggg 1260
 acgagcaaaa gtggtatcga gacgtgcgcg cgcgccacc gcctcatgcg aacattgcgg 1320
 atactgagga agcggcgaaa ttgcttatcg agaaattcga cctgggtccca ggtgtcgccg 1380
 aaatcgccga tgcacgctat atgttgcggt aagcgctgaa acagctaacg tgagcgaagt 1440
 ttgctgaatg tttggtaggc cggaagcaat cgagtcgta tttatcatgt accgcatcac 1500
 gggcgacaag aaatatcagg atgctgcgtg gcggatgttc aacagcattg agaaggccac 1560
 tcggactaag tatgc 1575

<210> 20014
 <211> 1576
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20014

gtgtccgacg cctgcggtct ctacaacttg ctcttcaaag acctccttcc tctgtgtgaa 60
 cccctctcat tacgattcca ctgctcgaa actcctcaa actagaactt acaaaccaca 120
 cccacttgac ctcatagcg tttgggagag acatcgaacc tccaggagct tggtttcaat 180
 cccaagctac tcggacctat cgaggcccat ttctttacca tctaccctc ataattggacg 240
 tgattccatc gactacgcca ggtgaggccg tgcgcattct ggcaagaga acagccgagc 300
 ttttcggtcc cgaatatctc atggtcacac cctccgcctc gaacggatcg attggtgttt 360
 cctaccgacg aaaaacagaa tatgaacatg tgaaggagct tctccagct cttgccgcaa 420
 aacaagcgca agcagccgca gcaaggctga agcggcctaa gatcagttca cggtcagaag 480
 gatcgggctc tggggacaag agtggcgctg ctacggccct tgtaaggaga ggaggtcgcg 540
 cgagcggcgc tgcgggagat gacaagccaa cgagcttaat tcagagacca tcagccacac 600
 ggcaacaacc tcccagatgg cacgcaccat ggaagctgat gagggttata tcgggccatc 660
 tgggatgggt gcggagtttg gctgtggaac cgaataacga gtggtttgcc agtggtgctg 720
 gagaccggac aattaagatc tggaatcttg cgaccggtgc actgcggtta acccttacgg 780
 gtcatatctc gactgttcgc ggttagccg tatccccgag acaccatac ctcttctcct 840
 gcggtgagga taagatggc aaatgctggg atctggaaac gaacaaggc attcgtcatt 900
 accacggcca tctcagtgg gtatacacac ttgcgtcca ccccgctctt gacctgctag 960

taactggtgg tcgagatggc gtgcgacgtg tgtgggatat gcgcactcgc agcaacattc 1020
 acgtttctgtc cggccacacc ggcaactgtcg cagatgtaca atgccaagaa gccgaccctc 1080
 aagtcattac cggatctctc gacgcgaccg tccgcctctg ggatctcgca gctggaaaga 1140
 ccatgggctt cctcactcac cacaaaaagg gcattcgag tctagccacg caccctcgcg 1200
 aattcacctt cgcactgtct agcacaggga gcatcaagca atggaagtgt cctggtggcg 1260
 agttcatgca gaactttgaa ggtcataacg cgatcatcaa taccctctcc gtcaatgaag 1320
 acaatgtcct cttctccggt ggtgacaacg gctccatgtc cttctgggac tggaagacgg 1380
 gataccgcta ccagactatc gatacaaccg cccagccggg ttcgcttgaa gctgaagctg 1440
 gtatcatgac gtctacgttc gataggacgg gcctgcgctt gattaccggt gaggcggata 1500
 agactatcaa ggtctggaag caggatgatc aggctacgcc agagactcat cctgtgacgt 1560
 gggctccaac actggg 1576

<210> 20015
 <211> 1577
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20015

tagtatcaag ctggcgaatg atgtgacttt tagacggtat gtcctcggca ggcattgatta 60
 cgggtcggca acttgttgct gatttgacat ttttcaggat gaaccaaacy atggagaaga 120
 tggcgaagat gtcggagtca gattacacgc attttgtacg agttgccttc gggcatacaa 180
 caccagtcca gccggactat gaggcggctg ggccgggtga attcatagac ccgacattga 240
 acgactctca gaaggaagca attcagttcg ccttggcctc cagagacatc gccctcatac 300
 atggaccccc gggtagagc aagacgcaca ctctaactga gttgataatt caaatgggtca 360
 aaaggaacct ccgagtgtt gtttgcgggc catcaaakat atctgtggat aacatagtgg 420
 aaagactggc tccgagcaag atcccggctg tgcgcatcgg ccaccctgcc cgcttgctgc 480
 catcgggtgt agatcactcg ctggaggtct tgaccagac atccgacgct gcggctatcg 540
 tcagggacgt gcggaaagag attgatgaga agcatgctag catcaggaag acaaggtttg 600
 gcagagagaa gcgcgcgatc taccaggata tcagagagct acgccgggag tttagagagc 660
 gtgaatccaa gtgcgtggac aatttagtcc gcggaagcag cgttgtactt gcgacactac 720

acggagcagg cggatcatcag ctgaaaaacc agaaatttga tgcgtaatt attgatgagg 780
ctagtcaggc actagaagcc caatgctgga ttccactgct gtcagcgcca aaggctgtcc 840
ttgctggtga tcatctgcag ctcccgcta ctgtcaagtc caccctcat aaaacaaagg 900
aggcaggcga agatggagag caggatgcaa acggaagctt ctccctcgag aaaacactat 960
ttgatcggct gctatcattg catgggcccga gaataaaacg catgctgaca acgcagtatc 1020
ggatgcatga aaatatcatg cggttcccgt cagatgagct gtacgaatcc aagctcattg 1080
cagctgagag cgtcaaactc cgccttctaa aggatctgcc ttacaatgtc cagagactg 1140
atgacactaa agagccggtg gtcttctggg acacgcaagg aggagacttc ccggagaaag 1200
ttgacgatga ggaattcgca aaaaaggaaa gcctgctcgg tgaaagcaag agtaacgaga 1260
tggaagcctt ggtggttgcg aggcacgtgg ataacttggg acaagccggt gttaggcctg 1320
aagacattgc tgtcatcact ccatacaacg gccagttggc tgtgctatca cagatgctac 1380
gggaaaagta ccagacctg gaattaggga gtgtcgatgg attccagggc cgcgaaaaag 1440
aggctgttgt ggtaagcctc gtccgcagta acagtgaaca cgaagttggg tttctgggag 1500
aaaagcggcg tttgaacggt atgcctcctg ccataaactc ttactacctt gagtgaggtc 1560
tgacgcgatt ccagtgg 1577

<210> 20016
<211> 1579
<212> DNA
<213> *Aspergillus nidulans*
<400> 20016

tttgccgctg ctagggtgcc cgcctacgcc atcacgcgcc cggatgatgcg cagtgattct 60
cgcgcccagc ctgtcaagga ggccttttcg catgcctggg acggttacta caactacgct 120
tttcctcatg acgagcttca ccgatttcg aacggttacg gagactcgcg aaaccactgg 180
ggcgcgctcg ccgtcgacgc tctatcgacg gccatcatga tgcgcaacgc gaccatcgtc 240
aaccagatcc ttgaccatat tgctgctgtg gactactcca agaccaacgc catggtaagt 300
ttgttcgaga cgaccatccg gtacctcgcg ggcattgatt ctggatacga cctgctcaaa 360
ggccctgcgg cggggttggg ggacgacagc agggctcgacg tgcttctaga gcagtcgcag 420
aacctcgccg aggtgctgaa attcgcgttc gacactcctt ctggtgtgcc gtacaacatg 480

attaacatta cttcgggcgg caacgacggc gccacgacca acgggctggc cgtgaccggc 540
 accttggtgc tggagtggac gcgtctgtcg gacttgactg ggaacgacga gtatgcccg 600
 ttgagccaga gagctgaaga ctaccttctc caccggagc cagcgcagta cgaaccgttc 660
 cctggattga ttggaagcgc agtcaatatt gccgacggca agctcgccaa tggtcacatc 720
 agctggaatg gtggcgacga ctcgactac gagtacctga tcaagatgta cgtctacgat 780
 cccgaacgct ttggcctcta cgggacggc tgggtcgag ctgccgagtc gagcatcaac 840
 catctggctt cgcaccgctc caccgcccc gacgtgactt tcttggccac ttacaacgag 900
 gagcatcagc tgggcctgac cagccaacac ctgacctgct tcgacggtgg aagctttctg 960
 cttggtggga cattgctgga ccgccaggac tttgtcgact tcggccttga ccttgtcgcc 1020
 ggctgccacg agacgtacaa ctcgactctg acgggcatcg gccctgagca gttcagctgg 1080
 gaccctaacg gtgtgcccga cagccagaag gagctgttcg agcgcgcagg cttctacatc 1140
 aacagcggcc aatacattct tcgtcccgaa gtcacgaga gcttctacta tgcattggcg 1200
 gtcacagggt atggaacggc acgttcactc agcgtgctt ccgtaggaag accatactga 1260
 ccgctttagt accgcgaatg ggtgtggaac gccttcacca acatcaacaa gtactgccgc 1320
 actgcgaccg gtttcgcggg gctggagaac gtcaatgcag cgaacggcgg aggccggatc 1380
 gacaaccagg agagtttcat gttcgcagag gtgctgaagt attcgttttt gacttttgct 1440
 cctggtacgt ttccctagtt ctggttcacc tgtggagaat attactgact gcagcagagg 1500
 acgactggca ggtgcagaag ggcagtggaa atacgtttgt ctataacacc gaggcgcacc 1560
 cgtttaaggt gtatacgcc 1579

<210> 20017
 <211> 1580
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20017

ccagagagca tatctggtat tgcaactctt cgaaggggaa tataggcatc aaagttaacc 60
 ctaccagagc tateccaagc cgtctatgga ctgatctgtg gatgctttct aagattctag 120
 ggaattggct aagtgcagaa ggttgacaca tttaggtagt gctttgtttg cttatatcct 180
 gattcaggcc atcgtaggta tttatttgtc tccttaaaaa ttcaatttca ttgatttact 240

tttatcttta ttttttattt tttgtcaagt ctccttgacc agctttacgg caagcaaatg 300
 cccaatatat cggcactcga tctgtgccct atcgccgact gtgatagtta cctagggcta 360
 ggtgaagggtg cagtcaaaat atgatatgaa atggccgtat gatcgagcg ttcaaaaatg 420
 atgctacagc cacggatagc acgcaatacc aatcaccttc tcaaggaaac cattaccgca 480
 tccatgggggt aaatgggtgtc agacctcgcc tgggtcaaact accactgaag caagcagaca 540
 agcgagcaag caagcacgca atcgccgaag cccgatcgca tcgttgtata cttcttttat 600
 cgccgaaagt atcactacct ccatacatac gcgattgaga gtacagatgg tgcaagaagg 660
 gatgcggaga gacgtacata tatatgctgt aaactctccc tctctgggtga gaccagccgg 720
 tctttcacca catagagact gatcaagaga gaaaatggca cctccattg ctgaagagca 780
 accacataag gccgacgtcg tcgtgcctgt caagactcct cctgccacca ccgagaagcc 840
 caagattcgc cgtatcatcg atgaagaagg cggaactacc acggccagcg tacgttctat 900
 cattctcttc tttctctaga ataactctaa cttttccagt atccccacta cctcccggtc 960
 tgggatcaca gcgagaaata cccacccttg gagcccttca cacacagcga ccccggcctg 1020
 cgcgagacc cgtccctccc tgacctgctg aaatcgggca cgaggatcca aaaactgact 1080
 cctacaattg gctctgaagt cacaggcgtg caactgtcgt ccttttcggc tgccggaaag 1140
 gaccagcttg cgctgcttgt ggcgcaacgc aaagtcgtgg ccttttcgaga ccaggatttc 1200
 gccgacctgc ctatcgcgga tgctctcaag ttcggctcat actttggcgg ccatcatatc 1260
 caccgactt ccggtcagcc tgaggggtac cccgagatcc atctggtgca ccgacacagc 1320
 agcaagggcg agctggacgc gttcttcgcg gacaggaaca gtacggttgc atggcactcg 1380
 gatgtcacgt acgaagcgca gccgcccggc acaaccttcc tctatatcct cgatacccc 1440
 gaggtaggcg gggacacagc gttcgtcgac caagtcgagg cgtatcggcg gctctcccca 1500
 gccatcaaag agagactgca tgggctcaag gccgtgcaca gcgggttcga gcaggcggag 1560
 ttcagcagac agcgtggcgg 1580

<210> 20018
 <211> 1581
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20018

cccggcggct ctagagatcg ttaaaatggt cctcggcgat gacatcctcg tatcgaactt 60
 caccggaac atcgcaaagc cgggctcagg atccatggcc ctccattcgg atcagtcctt 120
 tgtcgtccct gagccttggg gggcacctg ggcgtaaac atcatctggt gtttgtctga 180
 tgtctacttc gagaacgggg caacgctcta tatccccggt agccataggt ggaaacgaaa 240
 gaacgaggta ccatcgaatg ctgtggaaat gctcaaacca tttgtcgcta aagcaggctc 300
 catcatcgcc atggacgcac gcgtttggca cagtcctggc gccaacatca cgaaggacca 360
 ggatcgcgcg cttctatctt cattttacag cgcgccatct ctaagacagc aggtcaactg 420
 gacagcggtt ttctcgaagg agacgagaga ctcgttcagt ccgacttttc gcaacctgct 480
 gggccttgat atcatggcga acgcgggcaa gacgtcggat atgggttatg aaacgaagcc 540
 cctgtttgtt tagctgttga gaatgagaaa cccacagggt ctagccatct aggggcgcca 600
 agctgctgga gtagaaacta atgccacgta ggtatagcta ccgtccaatt ttatcttcat 660
 cattttctaa ccagtccctt gtgggtccgg ggctgagcgt ttgggggcca gagtgagaag 720
 ccaaaggcca gagctgttcg tgacgggtcca gccacccct agtgccctgg atcagtgaag 780
 atcctggcgt ccattggcca gtctgtatct gaataatatt gcactactca ggaggagcgg 840
 acattagccg ccctactaga ccctggctca tagggcccca aacggaacca accgctttgt 900
 agccatgcgg ctgagggtta ataggcgcca gactggccgc caatgtcttc tcggaaatca 960
 agcccgccaa catgtcttct ctctcaaaa tctcgatcat cctcgccgga atggcgcccg 1020
 ctcagaacac tgagtgtggc tgttattcga cggatggcgt cacggctgcc acatacacga 1080
 accgcatcta ccatgatttc cgctccctag atgagactgg aaccctctac actggagagc 1140
 ctgctaacgt caccaatgac gatgagtctg ccgctgcacc tgtgcagtct gggatatctga 1200
 cgtccgatgg ctttgtcaat gacttcggta tccagacatg gggctcacca gcgagtgaag 1260
 atacgccgtt gagaaaacag tatagcaatg cgaatgtcta tattggtcag ctcaaccgtc 1320
 ttatatcttt ggagccacgt atactgacat gacccagag catgacggct ccagcagttc 1380
 aacgcacctc actctgcgct cctaccgcaa cgcggacttt gtctccactg ccgagatcga 1440
 cagcaagctg caaaacatct tccacgcctc tatcacagtc cgcgcgcgcg ttcgcggggc 1500
 cgccggcgcc tgcgcgggaa tottcaacta cctcgacgac aagactgaga gcgatattga 1560
 gatcctgacc cgcgacccga c 1581

<210> 20019
 <211> 1581
 <212> DNA
 <213> Aspergillus nidulans

<400> 20019

```

ttcgggagag gcaccgcaag agcctgttgt ctcgcctaag agcggtaggt tacaaccac 60
cactgatcgg atcctcaatt tctaaatctg tctaggcagc gtctttgaga agcgtctagt 120
cgaggcttac atcgctgaga atgggaagga tccggtgaac ggggaggaac tctctacaga 180
agacctcatc gaggtcaaga ctgagcgctg cgtccgaccc cgaccaccta cgcttacttc 240
gattccttcg ctgctcagtg tgtttcagga agaatgggat gccctcgctt tggaaacata 300
cacattgcgt caaaccttgg ctcaaacgag acaggaacta agcgctgcgc ttaccagca 360
cgatgcagcc gtcaggtgat cgcgcggttg acgaaggaaa gagatgaagc acgcgacgag 420
ttatccaagg tcaccgttgg tgcaaggtct tctggcgccg ctgcagatgc catgcaggtg 480
gactcagctg gcctgcctga cgagggtttg gcgagggtgg agaacacgca ggcattcgta 540
gtcaccgggc tactcacta ctatactgcc atctaaatgt gatcattgac tttgtttagg 600
ctctcaaaaa ctgcagcaa gcgccttgtt cctgaaggct gggcgacagg tgaagcaatt 660
tccgcgtaca aacctacgga aagcacggac gcattctacc ccggtggaaa gtcgttatca 720
gtcaatgtat ccggtgattt ggtgctcgtc gagactgctg aagggactgt tggcgtgttt 780
tctctctctc aaaaacagat cattcacact ctgcagacag atggccacgt taaaatgtc 840
ctctgggcag gcgagaaagc ggttgttgct tcctccactg ggtctgtgaa ggtttttgag 900
agtggcaagg agatcgcgaa cttcaattcc cacgctggcg cagccacggg tcttgccctg 960
catgcaactg gggatatcgt ggcctcggtt ggagaggaca agagctacgt tctgtatgac 1020
cttacaacaa acggtgtcat ttgcaaaac ttcagtaaca catgtgagtg attctctggg 1080
ggggtacccc cccccacca ccctogaaga cacctgggct tcagctaata cttctcttct 1140
tcagccctgc tctcggtgca gttccacca gacggccacc ttctcgctgc tgggtggtgcc 1200
gatggtcaaa ttaagatcta tgacataaaa acaggagcct tggctgcaac ttacgacctt 1260
gctggtgctg tgaaacgctg atttttctca gaaaacggaa cctacttggc agctgtcacg 1320
gagaactcga cgatggtctc aatctgggac ttacgcagct cgaaagaaat taagggtgctc 1380

```


gagactggca gccaggtgga ttcgattcac tgggattata ccggtcaatt cctcctgact 1440
 ggtggcccta gcgggctgac cgtccagcaa tattcgaagg cttcgaaggt gtggacggaa 1500
 ccattacgca gtgcgggtccc cgcagttgcc gtggcctggg gttctgccgc tcagagtatc 1560
 atggcgctgg ataatgatgg c 1581

<210> 20020
 <211> 1583
 <212> DNA
 <213> Aspergillus nidulans

<400> 20020

cggcgcaaac ggcgtgaagc catcaaagct aaatatagag accaggcgac gcccctgcgc 60
 attcaagcac tgcattcttg tggatgatag ggtactactc ccacgagcga agcagcaact 120
 cctaacaacg aaacagcagg taagcaatca ttcccttcac tcttgaatag tagcggtagt 180
 ataacatgta cagagtcagc ggctactccg gacggcggtt catttcccg ctttagcatt 240
 ggcaaagact tggatttagt caaagatggt gccgtggatg gcgctgacaa agatgaacct 300
 tcagctgcag actacgaccc tactattgac atgaaagccg aaagagaaag gcacgggggg 360
 cagagtaatg atgtctcggc cgcgagctat gatgaaacga aaacaaccaa gcaggacgtg 420
 cttttgcctg acgcaccgtc gcaacaggag ccagaggcaa aggattcatt tgatatattt 480
 gctgaggatg acgatgacat gtttgcgtgaa gataccgagg aaacgtcgaa gccggcgcac 540
 gcatccgcca ttgctgtgcc ccaagcgagg gagctcgacg ttagtatgat ggataattgg 600
 gatgatcctg aaggatatta taacctccga attggtgagt tgatcgacgg gcgttaccat 660
 gtgcaacaga atctgggtaa gggaatgttc tcgtcagttg ttcgagcgaa agattcaaag 720
 acgggtaacg ttgtggcaat caaaattatc cggcagaatg acacaatgaa gaaggctggg 780
 ttgaaggaga ttggcatctt ggaaaagctc cgagaagccg atccagagga caagaaacat 840
 atgatcaagt tcgaacggag cttcgagcac aagggtcatt tgtgcatggt cttcgaaaac 900
 ctcagcatga acctgcggga ggtgttgaag aagtttggcc gagatgtagg tttaaacctg 960
 cgtgcaattc gagcgtacgc ccagcaaatt ttctgggat tgagcttgat gcgtaagtgc 1020
 aatatactcc atgccgatct gaagcccgc aacatgcttg tcaacgagca gcgcaacata 1080
 ctgaaagtgt gcgacttggg ttccgcgtcg ctggcttcgg ataacgagat tactccatat 1140

ctgggtcagcc gattttaccg ggcaccggaa atcatttttg gcacccccta cgactacgcc 1200
 attgacatgt ggtcgatcgg ctgcacactg ttcgagctct acacgggcaa aattctcttc 1260
 acgggacgaa acaacaacca gatgctcaaa tcgatcatgg agtgccgtgg caaatacccg 1320
 ccgaagctcc tgcggcgcggt gtctctggcg cacctccact tcgacgaaat ggccaacttc 1380
 cacagcactg aagaggacaa gatcaccggc cgccttacca cccgcatcat ggacttcaag 1440
 aagccgacgc gcgatctcaa aacccggttg atgggcaagg gcacacgggg atgacagata 1500
 gcgaggcaaa ggagctagct ttgtttgtcg atctgctcga tcgttgcttc agtctgaatc 1560
 cgagaagcg atgcacgcca gcc 1583

<210> 20021
 <211> 1588
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20021
 tcgcagcgta accactttcc ctttatcccc tcttctcgta ttggggctaa gaatcgatac 60
 ggggaactac atgacacgat ggcttacaat catcgcataa gccacaatt ccatagctcc 120
 cagcagcatg gccgggtag tcgcaagaag gaagatgaga atgacgccct gatgcgcctg 180
 gtacgtacat aagattccat catggcttcc ctcggtctta tggactaacc gataaatagc 240
 ccgacaaaga gatcgaggc tgtatcaatg acatcgcat accattcact gccgccgacc 300
 taatcaagcc caaccctcag caggttcaaa tgggtgctga gtggtttgcg gagctcctca 360
 tgaataccac tcgagaaacc gttgagcctg caatgcgcgc agccgctgac gatatatgcg 420
 gggactttcc ggatattgtc cctacagata cgcgaaacct gatgggattc tttgtcaata 480
 tgagaagact aatggcggag gtatgcgtgc ttattatcca tgcgacgca gtatcaacaa 540
 cgaccaatat gctaaaggct gtttttacag tgcggtgtga atgactttac gtttaccgac 600
 ctgacgaaac ctacgcacga tcgccttgta aagatatttt cttacctcat taactttggt 660
 agatttcgcy agtctcaaac agctgttatt gacgaacatt tcaacaaaac tgaaaagacg 720
 aagcaacgaa ttgaaacact gtacaccgag aatcaggaga tggagcaacg acttgaggaa 780
 atgcgccggg tcctcaaagc aaacgaggct gaggttaagg aaaaagtgag gaggaatgat 840
 gaactcaagt ctgccttcg agagttaggt cgaactcagg agaaagtggc ggagactctg 900

gaacgagtca aagccgaaaa ggcgagacaa cagaacctac tgaaggaaaa gatggagaga 960
 acagtaagaa ctctgaaga ggttgagaag ttgcggccat acgtgatgga aagtccggca 1020
 agcctccagt caagcctcac agaattgtcg gaaagtcttc tacgggagaa gaaccagatc 1080
 gatgccatgg aaaaacgcgc ccgagcgttg caaacctcct cggacacggt cactgttgtc 1140
 agcaacgatg tccaagcatg catcaaattg ctcgaggata tcgctgttga gctgcaaaaa 1200
 gaagaggacg aagagtctcg agcttcgaga aacaaggagg ccatctctga gagaggtaac 1260
 aatgtaaggg aagtcgaaca aacagagaag ttactgcagc ggcagttagc ccggtggaac 1320
 gagagaatcg aagctctacg taacaccgct catgagaagg cgcaagtggc tcaaaagcgg 1380
 atggaagagc ttcgtgaggt gcagataaaa ctccgagaag agcgaacaga aaagcaacgc 1440
 gacatggagc gaaggagaat caggattgag caaactgaga aaaaggtaat accagtgtgt 1500
 tcttgttggg ttccattca atagtaactt attggtgcac aaatagccga cttgaaagag 1560
 agcatcgaaa ccgaaatata gagcgcg 1588

<210> 20022
 <211> 1593
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20022

tggtagcgtt ggccttacc taggatcaaa ctaactagga gccacagggc atcgtcgcta 60
 cagcgattcc aaaaaataac gagcgacttc cacgctctcg accatattgg gtggtacagc 120
 ggggcctgct tctgctcgt cggcaccacc tctgccccat ggggaaaaat gtacagattt 180
 ttctcggcca catacaccta catgatggcg cttggctttt attcgggtggg gagtgtggcc 240
 gcggctgctg caccaaacag cattgctttg atcgttgggc gtgcctacag ggctggggct 300
 gtgcgggacg ctggggggct ccgtactgat catcaacttc acggcagacc ccaaattccg 360
 tccaatgctt attgggctgt ggatggcgt ttttatgac gctaccacga ttggaccgtt 420
 gcttgatggg gtgttcacca gcgaggtcag ctggcgctgg tgtttctggg tcaaccttcc 480
 cgttggcggc acagctattg ttctgcaatt tctcttctc cgcattgcta agcacatcaa 540
 gccacctca gcaacatgga cagagattct ccgccatctc gacctcagcg ggtgaaccgt 600
 gctgttttgc tccgttattt gcttctattg gctatggagt ggggagtcta gcgaagcaat 660

ggagtgcggtg tgctgtcatc gccacgttgg ccttgtgggt ggccttgtcc attgcatttg 720
 tggccatcga gtggttccag ggagagtatg ccataatgcc actgcgcatg ctgaagccgc 780
 gccattctg gtcgcatctc ctctacgctg ggatgtaagt cgtacttccc tttcagaaga 840
 gagatccgtc cacctagctg actgttgca gccaacctg ggcaacttcc agatcctgtt 900
 ttacctgccc atctatttcc agtccatgca tggctcgccc gccatcatga gtggtgtcta 960
 tagtttgccg ttcattggcct tctacaccct tgggtgccatt attagcgcca ttctcgtcgg 1020
 gaaaacccat ctactacagc ctattgagca agtcaggggg ctgatcgccg tgctgggcgc 1080
 cgctctgatc tactgcattg acgtcggaac tcccaaagcc tgggtggatcg gcgcgcaggt 1140
 cccgtctggc ctgggaactg ggctgggaaa ccaggtgcct gtgacggcgc tacagggctt 1200
 tgcgactcca gaaactgtgg ccgccacgat gggcgtcgcc tttagttagt cgtccggagt 1260
 cgactgccat gattgctgct aacagtgttt ccagtgtgcc aatccatcag tggcgcctat 1320
 tttgtatcag ccggaattc catcttcaat aactacatgc tgaagactct ctctgtcaca 1380
 gctccgcgta tcagctcctt tgagattttg tatatgggcy tgaccgacct gaagaatgcc 1440
 ttccacggga aagaccttgc cttgattcga caggcataca tggtcggcat caaggatgtc 1500
 ttgccttcg ctctggcggg gcctgcctca ccgtcgtcct ggccttgata gttccgttca 1560
 agaaattgcc agatcatgaa gccaagaagg ctg 1593

<210> 20023
 <211> 1594
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20023

tgccatgagc gcactgaacg acgtctcaag agctgtacac tcaggtcggg accatctcgg 60
 cgctttggct tttgttggct acgcggtgcc tccccgacct ctcatgggat cgaaggcgtc 120
 tccaagccaa actgcaacac agctgcccgg tagtagtacc atcgccgctg ctccattcga 180
 ctcaattcag aacctctcgg tggagctgcc tcttcagaca gcagacgagc tcaacaacac 240
 cttcgggtgtc ccgtttcagc tcgaaagtca gatttcgttc gactgggtcc ccgcttcgag 300
 tgaccgacca agtacggctc ggacggtgtc gcaaccggta gatatagtgc gcgcgatcga 360
 gggcgagctc acttggcgag actggcacga aagttggtgg aatataccag atacctcgca 420

ggctaatacaa gcaggtaaac agcttggatg atcttcttac ttttcgtcat gctgaggatg 480
 cacgatcaat cgtggacata ctgtaacagg agcttcagat ctcggccaaa gcgaaacaat 540
 ctaagcctga agtggtaatg aatgtatatt atgtaataat gcacactgga tccggtaact 600
 atccaaaagt agcctggcga cgaatggaat ctccaatttt tgttctcagc gccgatacca 660
 acgtctagac tacgcgcacc atggatacag gcttgactcc gtttgcttct cttctcgtat 720
 cccccgcaga gcttcagtct gctctcgcg ggctccata tccacgacgc atcatccctt 780
 tggcagttgg ccaaccgtcg catcttgccct cgtttgaaat acagcacatt ccgggttcgg 840
 tgtaaataata tatttccaac cgtaaccac gacaagacgt taaccatgga aacagattct 900
 tcaacatgga cgagatcagg gaccggtcat cccctatcc tcagatgctg cttctcgcga 960
 cacaatttgc cgaaagtatg accaagatgg gtcttcatcc ggacgatatt ctggtagtct 1020
 acgatgcgct ggaggtcgga ctctattcgt cacctcgtgt ggctgggca tgtcgccact 1080
 ttggccaacg agacgtccat gttttgaata acttcctcgt ttatgttgca gaagggttac 1140
 ctctttccac tggaccctta tcgaccctgc ctctgcccgc cctggagtat ccaataaaaa 1200
 acccagattc caaggaagtg atatcatacg acgagctacg cggctcttctc ctatctgata 1260
 agaaatcaga tattcagatc atcgacgcca gaatccccgg tcgattctca ggccgccaac 1320
 cagagatgaa cccggccctg cggctctggac atatgccgtc ggactgaat gtgccgcttg 1380
 catctatcat ggacaaggac aaggctcatat tgccggctga agagctcaag gcacgtttcc 1440
 aggcggccgg ggtagatggg caattgcctg tgggtgtgac gtgcaactct ggagtaactg 1500
 cggctgcgct cgacctcgtt ttgcagctaa gtggatacag gatggagcga cgactgtacg 1560
 atggcagctg gatggagtgg acgagaagaa cgca 1594

<210> 20024
 <211> 1595
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20024

ccctcgcttg gcaagccttc ttgatgaaat caaggatgag aagaaggctc cactggccgt 60
 agctgatcct aagttgggta ggtctgatcc ccgcttacat accgacagtg taattgactt 120
 gccgctgcgt aggaaatgcc attggcaagc ttcccgggtc tgatatttca ttaattgccg 180

attccacaac ggccgacatc tacctgtgcca ttcgtgaaca tctgcctacg ctgattcctg 240
 gtcttctccc ccaagacatg tccaccatgt ctctgggtct ttctcactct cttgccagac 300
 ataagctcaa attctctccc gacaagatcg acactatgat cgtgcaagct attggctctgc 360
 tggacgacct tgacaaagaa ctaaacaact acgctatgcg tgtgaaggaa tggatatggct 420
 ggcatttccc tgaactcgcc aagatcctca acgacaacat cgctactcg cgactcgttc 480
 ttaaaatggg tatgcggtcc aattttgaga acgccgacct tgcagagatc ctccctgaag 540
 aaattgaggc ggctgtgaag gccgcggcag acaggtctat gggtagagaa atcagcgagg 600
 atgacttggg gaacattcag gccctggctg aacaagtcgt tggtttctct gaataccgct 660
 ccagcttgc cggtatatc actgcccgtg tgaacgccat cggccctaac cttaccgctc 720
 ttgtcgggtg tcttgtggga gcccggtca tcgcccattg gggtagcttg accaaccctc 780
 tccaagagcc ctgccagtac tcttcaaatt ctcggtgccg agaaggctct cttccgtgct 840
 ctaaagacta agcacgacac acccaagtac ggtttgatct accatgctc tctgatcggc 900
 caggcgactg gaaagaacaa gggtaaaatg gcgagagtgc tcgctgcgaa ggcatctctc 960
 ggtctccgtg tcgacgccct cgccgaatgg gacgacgatg tcaccgagga ggacaaggct 1020
 gcccttggtg cagaggcccg gttcaacctg gagcgcaagc tggccgcatt ggaaggcaag 1080
 cccctcaagc ctctgggctg tgctattggt cccgacggcg cctctgocca acccggcaag 1140
 ttcaacatca acgaagctcg aaaatataac cctgacgcgg acgccgtgga tcaggataag 1200
 gctactcctt ccaagaaaat gctcgttcag gaggttcagg acgaagaaat ggctgatgct 1260
 gattccgacg aggaacccgc cgctaaccgg gtagactcag actcttctga cgaagagacg 1320
 tccaagaaat ctaagaagag caagggctca gaaatcgaga agctagccga gaaggccggg 1380
 ctaagcgtca aacggtacaa gcgcaagcta gaacgcggcg agattcagtt cgacgccgcc 1440
 ggtaacccca gcgccataag caagaaggac atcaagaagg ccaagaagga ggccaagaag 1500
 gagccaaga aggcgtccaa gggcgatgac aaggagaaga agcgcaagcg atcagacgag 1560
 accgaagaca cggacggtaa aaagaagaag aagaa 1595

<210> 20025
 <211> 1598
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20025

catactgcgc tgccccaggt gcattcccca cgtataagta ttgaccctgt gcttgaggct 60
cgtgtggtac gcaaactgga tttgcgggta ccgactcttc ttggcttttt gtgtaagcct 120
ccattctagt gggagtatat ttctcaatgt ggggttgtct gactcggacc tctatagacc 180
tgctcgcgt cctggacagg agcaacatcg ggtagtctt cctggcactc cccatactaa 240
agtagacgct gactcctcat agaaatgcgc gaatcgcagg gatggaagag gacatgtccc 300
ttcatgggaa caaatatcca tggttctga cgatattcta catatcgta accctgtttg 360
agcctcttgc attaagtgg aaaatcatgc ctccgcatag atgggcagcc attactgcca 420
tgacttgggt agcttgcaga ctaagagtgc gccctctcaa ttatcttgac ctaactggta 480
tttaggggta ttgcggcaac atgccaggcc gctgctcaga actgggtctgg gttgatggct 540
ttgcgcttta tcctaggcgc acgagaggca ggttttggtc cgggttctcc ctacctgctg 600
tctttcttct acggccggcg agacttggct tgcgctgcgg attgttcgtc tccgctgcgc 660
ctttggccaa tacgtttgcc ggtgcgcttg catacggtat cacgtcagga catgccctac 720
tagcaaactg gaggtatta ttctagtgt agggagctcc atcactggcg gcggcatttc 780
ttgcctggta ctttttgccg gaccatccct cttcagctg gtttctgaca gaggaggaga 840
aagacgttgc gcgacgccg tcgcttcgac gtagcggta aggtgagcgt gttggaggcg 900
tggtctgaa agagattttt cagactttat tcgatgtgaa accgtggatt acggcggtac 960
gtacagttga tttgtttctg ttcgatactg gcctaactaa cggcctggcc tccgcagttg 1020
atgtacttca gttgcaacgt gagcttttcc tcgctgccg tattcctccc gacaattcta 1080
gaagacatgg gttttgagtc gatcaatgcc caaggcttga ctgcgccgc attcttcgtc 1140
tcgtttatct tcagtatctt gactacttgg cttgctgac gatttcaaca acgcggcctg 1200
acgattgtct tcttttcatt ggtgggagca gtgggctacg ttcttcttgc agcttgcaca 1260
tccgtcgcag tgcgctatct cggcgatttc ctggcagctg ctgggggtatt cccatgcatt 1320
gcaaacattc ttccatgggt tctgagtatg ctccctttct ggagttgagg ttccctaactt 1380
gctaacgtgc gagctacaga taaccaaggt tctgatagcc gtcgcgggat gggtatcgtc 1440
attctcaata taatcggaca atgcggccct ttctaggaa caaatgtctt tcccagcagt 1500
gatggccctc gctatatctg tgggcagtcc atttgcggcg catttatgtt cttcaacgcc 1560

attcttgctc tcagtcgcg attcctcctc gcgtggga

1598

<210> 20026
<211> 1600
<212> DNA
<213> *Aspergillus nidulans*

<400> 20026

gtgtacatcc ggcaacatga attatcgaac ttgaagaact atcgatatgc aggcgtggac 60
cattcgctca tcagtcgata tgcctcaaa cgggtctata ataattttgt gatcaagttc 120
tttcccatga gcatggcgtg agtagtgacg ctgggtggcat ttttttgtgt atggcttgac 180
taacagcctt ctcttatctt agacctaatg ctgtaagtct actagcctct cagccctatg 240
catcaaaata aagagcctca ggaaccagga aataagagac cgatggcgct catccctgaa 300
gacctgagca caaaactgat gaaggatccg aaattaactg aagaccggta gatcactttg 360
acaggcctat tcttcgtctt gatcaacctc ttaccgttc tatactataa cccaagcctg 420
gatcaggact gtccaccatg ggtctatgcc agttgcgcca tcgggctatt cttgtaccag 480
acgtttgacg ctgtagacgg aatccaagcg tatgtttcat catctgtcgt gtggaggatg 540
gaactaattc gccttataga aggagaacta agcagagcgg ccctcttggc gagctttttg 600
atcacagtaa gtggagtagc tgatattctt gcaaatcatg tcaactgagac ttgttctgca 660
gggtgtgacg cctgcaacac ggccctggga gtcttgatat tcgccggagt catgaacctc 720
ggccagactt gggctactgt tctgacactt tttggatgta tgttgttccg gagcccagaa 780
gcagtgcgaa acctaatctt attcccatag ctaccatgac cttctatgtc cagacctggg 840
atatgtatta tacacaagtg ttgacgttgg gcatcgtctc tggtcctggt gaaggggtac 900
tgacgctttg tgttgtcttc gggttcaccc catatatggg aggcggaagt ttctggcacc 960
agcctatggt cgaaacgacg ggtgttccta aactcgagtt catccctaag cagctctatg 1020
acttgccctt cagcgagtgg tatctcatct atggtgcggt catgcttttc ttcgccactg 1080
gctcgagcat cgcgcagtgc atccagggtc gcaaggaacg tggttaaggat tcgattggtc 1140
cactcttcgg tatccttcct ctgccttga cgtgggtagt tgtaccggcg tacctgtacc 1200
taaaccgac aatcctcgag aactacctgg ttccctttgc cctgtatgtc ggccctggta 1260
acgcgtatgc cgttggacga ataatatgtg ccatttgggt acaccaagac tttccctatt 1320

tcaacattct tcttggaact cttgctttgg ctgttggtga cagtgccggt gcactttttg 1380
 gtgtctgggc gtcaactctg attggtacaa tcggacagcc tgctttcggt ttcctatgcc 1440
 tgggtctggg ccttggcgtc tacgggagct ttgtggtaag tctgcctct acattaagca 1500
 ttacaaaatc gctaattgtc ctagcatgat atcattacca ccatttgtga ttatattgat 1560
 atctgggtgtt tgacaatcaa gcacccctat gtgccagagg 1600

<210> 20027
 <211> 1600
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20027

tggaaggctc ctggcacaaa caacgttctt ttaggactgg aaattggcta cgttcctaac 60
 tccaacggcg gtcagtacc ttggtatctac atgttctccc aagctgccc gatgtaccga 120
 cccgtcaagt acctaccct cgacatgtc gactacgtcg gtccctttga acagcccttt 180
 atggagattg cctgcttgcc ttcggacctg gtcaaaggcc tgtcaacca tatcgaattc 240
 accctacaa acatcctctc catcgctgcc aacatgactc cttctccga ctataacaa 300
 tcccccgca acatgtacca gtgcaaagt agcaagcaga ctatgggaac gccaggtaca 360
 gcaatcgact accgaacaga taacaagctt taccgactac aaaccggta aacgcctatc 420
 gtgcgaccac cgctctacaa cgcttacgga cttgacaatt tccccaacgg cacgaacgcc 480
 gtcgtagcca tcctctcata cactgggttac gacatggacg acgcatgat cattaacaag 540
 tcctcgacg agcgcggtt cggtacgga acagtctaca agacaaagg cactccctc 600
 gacgaaaagg actcaagacg cacaagctc aaacaagccg tccagaaact ttcgggttc 660
 gccccgggca gtgaaatccg cgctgaatgg cgcgtaccc ttgacgaaga cgggttcccc 720
 cacatcggtg ccgaaatcaa ggaaggatcc atcgtagccg cgtatcacac cgtccgatac 780
 gacgcgacgt ccgactccta tataaacgtt gacggcatca cgcactttgt caaatacaag 840
 gacagtga aa gggcatacat cgacagcatc cgcattatgg gtcagaaac cgtaccgag 900
 cccgcgcagg ctatcagcgt caagtaccgt attcctcgaa aaccaatcat tggtgataag 960
 ttctcttctc gtcacggta gaaggggtgc tgctcgacg tctggcctgc tgcgacatg 1020
 cccttctccg agagcggcat ccagcctgat ctattatta accctcacgc tttcccttct 1080

cgtaagtctc tgttccaaac atgttttctc cttccccctt cttgtagaag tatctaataa 1140
 gaaaaggaat gacgattgcc caaatgatcg agtcgatggc cggaaaagct ggtgctctgc 1200
 acggccaccc acaagactgc acccccttcc aattctctga agaataatac gcgacagact 1260
 atttcggcga acagctgcgg cgcgcggggtt acaactacta cggcaatgag ccgctgtact 1320
 caggatttac cggcaaagag ttcgccgccg atatcttcat cggcgtcgtg cactaccagc 1380
 gtctgcgtca catggtgaac gacaagtcc aagtccgtac caccggccct gtcaacaatc 1440
 tcaactggta acccgtcaag ggccgtgcga agggaggtgg tatccgtgtc ggagagatgg 1500
 agcgcgattc tctgattgcg cacggagcag cgtacatctt acaggatcgg ttgatgaact 1560
 gttctgattc ccagcgggcg tggatctgcc gcgattgtgg 1600

<210> 20028
 <211> 1603
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20028

cgcggaggtg tcgcaagtt atgcaagctg tggaggagcg ctgcttctgg tcgatgctag 60
 tcaaggtatt caagcgcaga ctgttgcaaa cttctacctc gccttttcgc aaggcctgga 120
 attgattccc gtcacaaaca aggtggatct cccgtcagcc gaaccggaac gggctctaga 180
 acaattggaa cagtcctttg aacttgacac agaggatgca gttctgggtc cagccaagac 240
 tggtttgaat gttgaacagc tgcttcctac ggtggtagag aagattcccc cgtatgtctt 300
 gggttcctta gaggtccgtt ttgaaatact gacaactgag taggccgac ggcgactgta 360
 agagacctct ccgatgcta ctcgttgatt cttggatga ttctacaaa ggcgatgat 420
 gtttggtccg tgtcttcgac ggtgaggttc gggctggcca gcaagtcgtt tctttcgcaa 480
 ctggcattaa gtactacgtt ggcaagttg gtatccaata tccgcttgaa acgccgcaaa 540
 cagttctccg tgctggccaa gttggataca tcttctttaa tccgggtatg aaacgaagca 600
 aagaggccaa gattggtgat actttcacia cagtcgggtc cgagaaggcc gtgcagccgc 660
 tgcctggttt cgaggagccg aaggcaatgg tctttgtcgc tgcataccc gtagatgcgg 720
 accatttcga acacttgag gacagtatta atcaacttgt tctcaatgac cggagtatca 780
 ccgtgcagaa agagtcttcg gaagcgctcg gagccggttt cagactggga ttcttgggta 840

ctttgactg ctcggtgttc gaggaccgtc ttcgtcagga gcatggggcc agtattatca 900
 taaccccacc gtcagttccg gtcaaggttg tttggaagga cgggaaggaa gacattatca 960
 caaaccccaa tcgcttcccc gacgaggacg acgtgcgcat gaaggttgcg gaactgcaag 1020
 agccgtacgt tatggccacc ctgaccttcc cggatgaata tctgggaaca gtcacgcaac 1080
 tttgcgaacg aaccgcgag agcagaaaag ccttgaatac ttcaccccgga cgcaagtcac 1140
 tctcaagtat gaactgcctt tagcgcagtt agtcgacgat ttctttggca agctcaaggg 1200
 agggacgaaa ggatacgcat ctctggacta cgaggagtcc ggctggaagc ctagtaacat 1260
 cgtcaagctg caactccttg tcaacaaagc tccggttgat gctgtcgccc ggctcgta 1320
 ttacagccag accgacagac tgggaaggca atgggtgacc aagttcaaag agcacgtcga 1380
 ccgacagctg tttgagatta tcatccaggc tgcagtgggc aaaaaaatcg ttgcgcgtga 1440
 gactgtcaag ccgtaccgaa aagacgtgtt ggcgaaactc catgccagcg atgtcagtag 1500
 acgaagaaag ttgctggaga agcaaaaaga aggtcgcaag aggttcgag ccgtcggaaa 1560
 tgtggtgatt gagcataagg ctttccaagc gttcttagca aag 1603

<210> 20029
 <211> 1605
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20029

gtggaacaac ggcataaatt cagagatggt aactactttt accagatctc gagcgagtat 60
 cgtgttgccc gtccagagtc gaggaacagt tggtttcccc agattagacc agacaagtca 120
 attccgtcga caccgcgac ggcagataac tggaaagatt cccattgag tgcacactca 180
 cgatctgca gcgttgacca aaatgctcct caaacaccga ccacgccatc aaggtcgaag 240
 agcaaagcgt cagttatgct ctogaagaca ttgaagtatg atgtcgaccc tcgcaagcgc 300
 tcgaaccggc cagaggtgat tgatcttcac tacgaccggc tgcataaccc tgacaactgt 360
 ttccatattg aattaagctg gatgaatact actcctaagc ttatcgagga taccgttcag 420
 tcatgggccg cgacagctga gaagttcggg ctcaagctcg tccaagtgcc tattgccgag 480
 gccagtgcc ttgatcagac acagccattc cgccagccat ataggggtcaa gctcaaagtg 540
 cccctccca aagggtccag ctgcagatt ttcaacgcag cttcattctc gcagcaagac 600

gcaccagacc cgcattatct ccagaagctc atcctaaaga agtttgactt tgtccttgat 660
ttcgaagccc gctcagcctt ccctccagat gtggaagtcg gctactcctg gggaagaccc 720
gactaccgct actcccaata catccatcaa tcaggcactc tcctcgttca aatcacagac 780
gaaggcgact tcctcgtcct cgcaaaccgc ctgcgcagca cccgcaccgt ccccttcacc 840
ggcacgcgcg accgcgacca ccgcgcccgc gcaggctatg accccatggg tacgatcgaa 900
cgtgatcgtc tctccccgcg actttcccc cttggtacgc caatccatga catcgccggc 960
cccgcaagcc caatggcaca ctctcccta gactcggcta gcctctaccg cgtccccgag 1020
cacgtcctgc acgggttcga ggagttctgc aacgaccccg ttagactagg gcagctatac 1080
agcgagtctt tcgtctatcc ggtttccgcg aaagcggcgc ctaccacggc gtcttgtgtt 1140
gactcgtcta tcccgtcgct cgagttgccg gcgcgggta tcgggcatca tatttcgcca 1200
ccgcccggaa cgcgggtgag acccgagacg aggactcgcg ctgcgagcac gagtgcata 1260
ggcagtcctgc cacttattga cccaaggagt cggcagcgtg aggagagttc ggttgcgagg 1320
gggagcccga ggagtggtgg gttaagaccg ttgaatttga gtggggcgtg accactacat 1380
atcatttact ataatttca cttctcagcc tcgattatgt tgtaactata gctatattat 1440
gattgagata tgacatttca gaacactttg gaataatctg aatgctttta cccgagccag 1500
ccggtttttt tcccggcagc atttagtcaa atccgccttg tttactcttc agcatcacc 1560
cacttacctc catcctctgc tttctccaac tctcaaacat tctac 1605

<210> 20030
<211> 1615
<212> DNA
<213> *Aspergillus nidulans*

<400> 20030

atgccaccaa aagcacataa aacaaagcaa gatttaattg agtaagaggg caggatataa 60
tgcgcgattc aagacattaa aaatagaaaa tttcaaaaaa ttgcgcccgc agcgcggtgca 120
tacaaaattc atcccaatac acttcaaggg agacttcatt gccgccaatc tcaagcagaa 180
ctctgcaacc accagcatag gctatcccta tattaagaag aggtcttgat aggatagata 240
gtattacttg acattcatgg agcagctccc aggccttgc atgtatgtaa gatggcacia 300
cttatcctgg atgaatcctt acccttatct tgactaatca gaaagacctg ggtaacagag 360

ttacaaaaa ggcaccctga aatcaaaacc aggtttgctt ggaagattaa ttgtcagaga 420
 gtactttgta aagatcccaa gataattcgc ctatTTTTca atgagatata aaggattaaa 480
 gttgagtata ggatatcaga taataatatc tacaactttg ataaaactgg ctttgctatg 540
 ggcctaattg caataataaa agtagtatct tgagcagaaa tgccaggcaa accatggctt 600
 atacagctgg gggattacaa gtaggttact accattaaat acatcaattc aactggatgg 660
 tcagttctat caaccattat ctttaaggga aagtgcata gagagggatg gtttaaggaa 720
 ctctctattc cacatgcctg gaggattgag gttagtaata ataaatagac tatagatata 780
 attaggcttt gctggcttca aaaatgcttt attccagcta tacagaggtg gcaaaggggg 840
 gagtatatac tccttattct ggacagccat agaagctact tgaccccgag ctttgacact 900
 atatacaagg ataataatat tatccctgtc tgcattgctc cttattcatc ttacctcctg 960
 caaccctgg atgtgggctg ttttggcccc ttaaagaggg tatacagatc cctgattaag 1020
 cagaaggcac gcctaggata taactatatt gacaagcttg atttcttgaa ggcttattca 1080
 gaagcctata agaaagtctt tataatagag aacatttaaa gtagattcag agcaactgga 1140
 ttacatcctt tctcacctgc tgcagtactg gataagctgc agttaagacc attgactcct 1200
 acaccccccc cccccccca agcagtacct cccaagcaga ggtactgctt caatccccctc 1260
 ctctcaactc tgtacacctt atacagtccg tcaggtgtat caaaaagctt cattagtcaa 1320
 aaagcttcta aaagagggtc ctaggagtcc ttcaagcccc tcaaaacagg cgctggatga 1380
 atttgtaaag ggctgtgagg tggctattta caatactggg ttgctggcac aggaaaacaa 1440
 ggatctctgc ttatttatag cagataacat ggcaaaaaag agttgttcta ggcgtctaata 1500
 aactcttaca gatggactct catttaaaga agccagggac cttatttcgt cgagaaataa 1560
 tgaattacaa gctggtgggg ggggggtcaa gctccagtac cttccaact tcgga 1615

<210> 20031
 <211> 1618
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20031

tccctgggtg aatcaacgac gatcttacga tggtcatttg tgcaccatcc gctatgtggg 60
 caaagtcgac ggaacgtctg gggaatggct aggggttgaa tgggatgatc cgacgcgggg 120

aaagcactca ggccagcata atggagtgag atactttaga tgtactgtga ccctttgaac 180
 agctgtccag ggcgatgtac tttccacgaa gtgtcatcaa aacatctcta atctgcagca 240
 ggcttaagaa atcacacctac ggcaggggtca tttgtgcggc cttcacgccc agcagacagt 300
 ccgcgcactt tctagaggca gtccgcgaga agtacgcata tgattttgag cagagtcgtg 360
 agagacaagc tcgtccggat gcgaggttcg aagagcctat cagattcaaa agcaagattg 420
 ctgaagaagt gggcttcgac aagatccgga agcagctcgc ggacgttgag gagctgaaaa 480
 ttgtgctcct ggatggacta cgcgtggcgg gtctgcttgc gcaggaggct agtcgagaac 540
 aggttgaaga ggcacgcggc cagatcgagc gtacttgtcc taagatcgtg gagcttgatt 600
 tgagctggaa tatgttgacc aaatggaggg atgtttctga tatctgtcgg ccgcttaggc 660
 gattgagtct tctgaagctg aagtgagtct tcttgcgtta acgaacagtt caggctggct 720
 gactgagttt tccttagcgg gaatcggttt gagcctgttg aggagggctt gaggtttgat 780
 gggatcaaag agcttcatct ggatgacact ttacttccat gggagcaagt aagtggaaac 840
 acggcgggtct gtgatgcata gctgactggc gcagatatca agagtggctg ctcagtttcc 900
 gtcactcacc tggctctcgg cttcagcgaa ccaaactctt atggtgcgga cccaatatcc 960
 aacactataa ttacactcat tctcgacaac aacgaaatag gttccttgtc ttcaattaga 1020
 gcattgactt ctcttcagaa cctcgagcat ctgtcactgc gcggaaactg catcgacgcc 1080
 gtagccgcag ctgaaactga gggtcattcc ttccaattct caagaagtct tcgatctgtg 1140
 gatctctccc gaaacaaaat caattcgtgg ctgtttatta accaacttcc cgagatcttc 1200
 ccgggcctgc gaagccttcg tgtatcaggg aaccctcttt acaaccaagc cgtggcaccg 1260
 tcatctatca ccggtcttcc tgagaggccg atgacagtgg atgaagctta catgctaaca 1320
 ctctcccgcc tctccgcttt ggaggtactc aattacagta caatatctga gaaggatcgc 1380
 aacaacggcg agctatatta cctgtccctg atcggcaagg agctgtcagc gcttccggag 1440
 accgcagagc cagatatata caaagcacac cctcgggtaca gggagctatg cagaatctat 1500
 ggggagccac tcatccaacg agcctccaaa gccactgggt caggagctgc gcttaacca 1560
 cgctctgttg cggcgcgatt agtgcgaaatg gtattccatc taactcaggc agagtggg 1618

<210> 20032
 <211> 1618
 <212> DNA

<213> Aspergillus nidulans

<400> 20032

gcgcgtctgc agcaggagat tcagggcata cctgacgact tgggaagcgt gcgagtgcag 60
ttctttgacc aagcgaccgg ttcagctaca ggcccggcgg tgtctgtccc agtggccgat 120
gcgacagtaa aaaatcttga gactcttttg aacacattac aaggaaatgt aggtatgcgc 180
gctgaattta ttcgcaactga aggccagcgc taatctcgcc gacgccttag gaagaggatg 240
aacgagtacc ataccgattt actttccagt ccgatgacaa ggacagcaag gacagccaga 300
caattgatat cctagcagac atataccact cccttttgaa acctgggggtg aaaacaaccg 360
aagataccat tcaactttac ttactccac aagctatttt ccgggttaaag gccgtttcac 420
gggtgctccgc ctccatcgcc ggacacgggg aggctatcct cgctacatcg ttctcaccgc 480
tttcttcttc tacaatggtt tccggcagcg gagactcgac ggcgcgcata tgggactgcg 540
acacaggaac accattgcac actcttaagg gacacacgag ctgggtgcta gccgtcagct 600
actcgccgaa cggagcaatg atcgcaacag gaagcatgga caacacagta cggatatggg 660
atgcaaagaa gggtaagcgc ctggggggcac cattgaaagg gcacgtaaag tggatcacca 720
gtctagcctg ggaaccctac catctgcaac agtcgggcca ccctcgtctc gcctctgcat 780
cgaaagactc caccgtcagg atctgggacg tcatctcgaa gcgcgcagac atcgctcttt 840
ccgggcacaa aggctcagta acctgcgtac gatgggggtg aacaggtaaa atctacacct 900
cctcccacga ccggacaatc aaggatgga actcgagac tggtaacctg atccagacat 960
tgtccgcccc cgcccaccgc gtaaaccacc tcgccctgtc cacagacttc atcctccgca 1020
cagcctacca cgaccacaca ggcaaagtcc ccgagtctga gcgagacaag gtcgccatgg 1080
caaagaagcg cttcgagaaa gcagccacaa tcaacaacaa gatcgttgag aaactcgtct 1140
ccgcctcgga tgattttacc atgtaccttt gggaccggga gagctccagc aaacccttg 1200
cacgcctect cggccaccag aaggaagtca accacgtcac attttccccg gatatggcct 1260
atategctc cgccggattc gacaaccatg tcaagctctg gaatgggcca gacggaaagt 1320
gcgtcacaaa ctaacctaac cctcaattag agcaatttgg ctaacctacc atcgcaggtt 1380
catcacaacc ctccgtgggc acgtcggcgc cgtctacaa tgctgctttt cggctgattc 1440
gcgccttctt gtttcctcct ccaaggacac aacattgaag gtgtggaatg tgcgcacagg 1500

aaaacttagc gaggatctgc cgggtcacaa ggatgaggtg tttgcggtgg attggagccc 1560
 ggatgggcag aaggttggtg gtggaggtaa agataaggct attcggatat ggaggaac 1618

<210> 20033
 <211> 1619
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20033

ggcctgtccg gtcattgttt catttcaaaa cccattactc aatcatggat gaaaaggctc 60
 cccccaacgg aagttgccct gacaaagaca tccaagtcgg gactgtcact gtcagtgacc 120
 tcgatgaagg cgggtctctt ctgagacaac acaatatcac aaacaatgac ctagaggggt 180
 tccttgccga tgaggttcgc aacaaagccc tcgtgcgcaa ggtcgacctc atcctcctgc 240
 cgctcctcgc agggacatat atgctgcaat atatagacaa gacggccctg gcttattcag 300
 ccgtcttcga cctgctgcca tcgaccaaca tgaccagcga gcagtatagc tggcttgcct 360
 caatcttcta cttcgcgtac ctgcgcgcg agtatccatg gacaatcctg gccagagaa 420
 cggccatggc caaggtagtt tcgggcaacg tcattgcctg gggctcaatc cttatgataa 480
 cagcagcttg caagaacttt gcaggcatag caacttgccg gttttttctc ggtatattcg 540
 aagcgcccat tacaaactgc ttcattgatga ttgtggggat gtggtatacc cgacgtgagc 600
 agcccttcgc cgctgggatc ttctactcct gtaacggaat gggcgctata gtcggcgga 660
 tcctgactta cggcattggc caaatcaaga ccatcgccgt ctggcgcgcc atcttcctca 720
 tcctcggtgg taccaccgtt gcatggggcc ttgtcttgc ctttttcttg cctgacgata 780
 ttctctctgc gaagcgtttc acaatogaag agaaagcact tctcgttgcc agaggaaggc 840
 tcgcgcgcac tggaattctt agccaccaga tcaaattgga ccaaattcgt gaagccctgc 900
 tcgaccgcga agtctggatc ttgttctat tcattgctgt aaacgaaacc atcaacggcg 960
 ggctcgccaa cttcagcaag cttatcatca aaggtctcac agatgacagt ctcaggaccg 1020
 tggccttggg cataccattc ggcgcccttc agctcctttg ggtcttgtca gggacattca 1080
 ttgcgtcgaa aattccaaat actcgacaaa tcgtgatgtt tgtgtatcta atccccctc 1140
 ttgttggcat catcatgctg tggaagctct ccacgaaac ccagagaatc gcagtgttgt 1200
 tcgggtacta catctcgggt ggctatgtgt gtagtttggg ccttgccttg cagatgccag 1260

ccaccaacct gggcggatac acgaaacgcg cgactagtgt tgccttggtta tttctggcgt 1320
 actgtgccgg caacatcatc ggacgcgatg cctttctcgc gccggaagca cccatctatc 1380
 agacaggatg caagcttatc atatcatgcc tagctgtgca gccggccttg tctatttgtc 1440
 tgcggtttct tttgattcgg aggaacaagc aaagggactc tgctaccgct gatgcaccgg 1500
 tgtcagaaga ggaagaattg gcggatataa ctgattttga ggtagtttc tctcctaatt 1560
 ctcttagatg gtggactgac aaaagggtact cacagaatcc tcgattccga tacgtgctt 1619

<210> 20034
 <211> 1624
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20034

caccgccttt gaagatggct ttcaagaagt cctacaatgt ttacttcctt tgcgggttca 60
 tgacccttgg tatgaaaccg tgattctact gtggggatga tactgactgg ccaggtgggtg 120
 gtctgttcgg tttcgacatc tcgtcgatga gtggtaagct gaatgctctg cctgcagcgg 180
 caaacatctc accatcgag gtgtcttggg tacgcggcc tacaacaact actttcaggt 240
 cggcggcggc aattacaaac aggtactttg gtgttctcaa ttcaattgca gatctatacg 300
 ctaacgtttt aggggtggaat cacttgtgct atgccatttg gatcgctcgt cgggtgcccta 360
 gcctccagtt tccttgccga caaatactcg cgtgtcactg caattcagtt ctcgtctact 420
 ttgtggatta ttggatcagt gtacgtatag tatactact ctttgacctg atctgacttt 480
 ttagctttca atgtgccgcc aacggtatcc ccttgctggc cgtcggtcgt gtcattgcag 540
 gcctctgcgt tggcatcgcc tcagctatgg ttccggctca catcgccgaa gtgagcccaa 600
 agcatatccg agggcgaatg atatcgctac agcaatgggc aatcacctgg ggtatcctga 660
 tccagtactt cattcaatac ggcgctagca acgtcgacgg cgggcctgac aatgaaaccc 720
 agagcacagc ggcttccga attccatggg gtatccagat tgtccccggt gtaatttact 780
 tcgttggttt gtttctatac cctaaatcgc cccgctggct gccgagcaag gaccgctggg 840
 acgagtgcac gcatgtcctc gccgcctcc acgggaacgg agacatgaac ccccccttg 900
 ttctggccca gtacaaggaa attcaggacg cgctcgccct tgaacgtgag caggctagca 960
 ccagctatca ggagctcatc aagccaagca tcgcaaagcg tgttttcctg ggcattgagtc 1020

tgcagatgtg gtcgcaattg tccggaatga acgtcatgat ggtaagaatg ttcttcgccca 1080
 taagagcaca gtcaaattaa caaacgcagt actacatcgt ctacatcatg cagtccacag 1140
 gagcgggctc ccctcttcta acagcttcca ttcaatacat ccttaacacg gcccttactc 1200
 tcccagcgat tctctggctc gaccgcttcg gccgccgcc tgcgactctc attggcttca 1260
 ccatgcaagc aatcttctct tacattgagg gtggcctgca agccggctat ggtcgctcga 1320
 ctcgaccgtc cgacgaccta aacgccatct cctggaccgt ggcgaccac ccgggtgtgg 1380
 gcaaggctat catcgccatg tcgtacctct ttgtctgctc cttcgcaacg accattggctc 1440
 caacttcttg gacctaccg gctgaaatct acccgccaa ggtccgtgcc aaggctgtct 1500
 cactggctac ggcgtccaac tggacctgga actgtctctc tgcgctcttt gttccgccac 1560
 ttctgtggaa tatcaactgg aagatgtaca tgattgtacg tttaccaccaccaaccaaccac 1620
 tgca 1624

<210> 20035
 <211> 1626
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20035

cgtgtacagc actatattcg gaacgaacgc gcgaccgggt tgccgtcaat cgatgtacgt 60
 caatcttttc cagattccag taatatatcc tcgtgcattt ttgtccactg agtcgctgggt 120
 tctagcgggt gccgacactc gactccacac ccatttgtgt tcccccttg gaccatcgca 180
 agcacattga cctgcgggtg atattgggat tgtcagaaga gaagtcgctcgaacgc 240
 attcagcgaa ttgattagat atattgtcat ttccgcgac tatacaagat gaagtactct 300
 ttgcacctca ccctggccac cgctgggtcc atggctgctg ccgccagca ccagcacgggt 360
 caccaccacc aacacagcaa gcgtgaagtc gtcacggttg atgggtccac tgtcgctcna 420
 tacatgcttg ataaccaact catcagcgcc gagaaagtgt gcgagggtat caccgacggc 480
 accttggcct gggctaacg ccagcctcct tctgactcct gccaggcttc ctgaccacc 540
 agcactgaag cctacacccc tactgctacc gctgcgaagt tcattgagac tgaggcctct 600
 tcctctactg cgacctctac atccactacc gtgagcgtgc cctcgagcac cacttctcag 660
 ccggccgccca gctcctccag tgcttccact gccactggat tggatgctcc cttccccgat 720

ggtgagcttg actgcagcac tttcccctcg gactacggtg ccgtagcctct cgactacctt 780
 ggtcttgacg gctggtctgg tatccagtat gtgaccttg ttggcgagat tataagcgac 840
 atcatcaccg tcgtcaccgg tgacagttgc actagcggag ccatgtgctc gtacgcttgc 900
 ccacctgggt accagaagtc tcagtggccc tctaccagg gctccactgg ccagtccgtt 960
 ggtggtcttc agtgcaagtt cggcaagctg tacctgacca accctgacct ttccgacaag 1020
 ctttgcatta aggggtgttg tgggtgtcaag gccagaaca ctctgagcga ccacgttgct 1080
 gtgtgccgta ctgactatcc tggtagtgga taccgctcag caaatgcgag ttgtgcttat 1140
 ggctaaccat aaacaggaac cgaatctgag actatcccca tcagccttaa cagtggcgag 1200
 accaagcaag tgacttgccc tgatgggtgcc acctactaca agtgggaggg caagaccctt 1260
 tctgctcagt actatgtcaa cctgcccgtt acctgcagg aggaggggtt ccaatgggggt 1320
 gatggcagca agcccatcgg caactgggcc ccgatcaacc ttggtgttgg cgagaacaac 1380
 ggcaaatggc tttctatctt ccagaactct cccaccacca ccgagaagct cgactttaac 1440
 atcaagatcc agggtgacaa ccttagcggg tcttgcaaat acgaagatgg ctcccttcac 1500
 tctgacactg gctccaacga ctctggctgc acggtgaagct ttcattgatc gattcgtcca 1560
 ctgaaactga ggctaaatta ttacaggtg caagttatgt ccggtgacgc taccttcgtc 1620
 ttctac 1626

<210> 20036
 <211> 1626
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20036

ggaccttcgg gagggctgct tttgctcgac ctccccctg cgcacgcgc gccctccage 60
 cctccaagct caatggcttc ccttcattcg ctgcctcgc cagcactgag accgctgccg 120
 gtggaaagat tcaccaggtc atcgggtgcc tcgtcgacgg tatgtacctc agataccgcc 180
 aattctccct cgttggcggc tacgcgaaaa tcttttctac acccgatttc atcacaacat 240
 ccatcaataa aaacctcaaa ataatgtcaa gacctgatat ctgacttggg aattacagt 300
 aagtttgagg gtgagaagct tcccgcatt ctcaacgcca ttgagaccga gaacaacggc 360
 cagaagctcg ttctcgagggt ttctgtatgt aattgatatc aagaaaccga ttgataacac 420

caagttctga tggctgacac tttcaaagca acacttgggt gagaatgtcg tccgtaccat 480
 tgctatggat ggtaagtgcg ttcctttctg gcgtgaaact tcgtgtgac accatgtctt 540
 tgctcaagat attgatatct cagttctagg taccgagggt cttactcgtg gtgctcccgc 600
 ccgtgacact ggcgctccca tcaccatccc tgctcgccct ggcacccttg gtcgtatcgt 660
 caacgtcact ggtgacccca ttgacgagcg tggcccatc aaggccacca agtatgcccc 720
 cattcacgct gaggctcccg agttcaccga gcagtcacc actgctgaga ttctcgtcac 780
 tggatatcaag gttgttgacc ttcttgcccc ctacgctcgt ggtggtaaga ttggtctctt 840
 cgggtggtgcc ggtgtcggta agaccgtgtt cattcaggag ctgattgtaa gtttcgtatc 900
 tgggacttca cacgaaaatg tctaatttct ctttagaaca acatcgccaa ttcttacggt 960
 gggtactctg ttttcaccgg tgctcggtgag cgtactcgtg agggtaacga tctgtaccac 1020
 gaaatgcagg agaccggtgt cattcagctc gatggtgaat ccaagggtgtc tctggtgttc 1080
 ggtcagatga acgagcccc cgggtgctcgt gcccggtcgt cccttactgg tctgaccatt 1140
 gctgaatact tccgtgacga ggaggggtcag gacgtgctgc tcttcattga caacattttc 1200
 cgtttcaccc aggccggttc tgaggtgtct gcccttctcg gtcgtatccc ctctgccgtc 1260
 gggtaccagc ccactctggc cgtcgacatg ggtggtatgc aggaacgtat taccactacc 1320
 accaagggtt ccattacctc cgtccaggcc gtctacgtgc ccgctgacga tctgactgac 1380
 cctgcccccg ccaccacctt cgctcacttg gatgccacca ctgtcttgtc tcgtgggtatt 1440
 tctgagttgg gtatctaccc tgctgtcgac cctcttgact ctaagtctcg tatgctggac 1500
 ccccgatttg tcggtgagga aactacaac accgccactc gtgtccagca gatgcttcag 1560
 gagtacaagt cccttcagga tatcattgcc attcttggtg tggacgaact ttctgaggct 1620
 gacaag 1626

<210> 20037
 <211> 1629
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20037

gtttccttag agtcaaactc tgcttaagtc gtattccagt aggagaacgg caccatgaac 60
 cctaagctct accagttctt cgttgctctc ttgcctctt tcggctcttt cctgtatggc 120

tacgacctgg gcgtgatcgc ctcggtcgtg gcctcagact ccttcattga caaatttgtc 180
 cgcggcagca gcaccgtctc tggcaccgtg gtagccctct tcacggcggg cgccttcttc 240
 ggtgcattcg gcgcagggtt cactgacctg ctcggtcgtc gaatgacact ggtactgggc 300
 tccgtcctct ttatcattgg gggaatcatc cagacagctt ccgtaaactc agggatgctg 360
 tactttctac gtattttttc aggattcggg attgggatcc tcgtcgagat ggtcccgatg 420
 tttcaggcag agatcgccca tgccagaatc aggggtatcc tgggctcgct gcagcagacc 480
 atgctgggta ttggaagcct tgccgcaagt tggattgggt acgggtgtga gcatcactgg 540
 tcgaacacgg gaaacagtgt gcagtggagg ttgccgtagg ttgcctgccg ttctattcca 600
 tctcagtga tcacaacggg cgggtcgtgat gagactagcc tggccttaca ggtcgtcccc 660
 gccatcggac tggcctcgtg catcttcttt ttccctgagt cgcgcgggtg gctgatcgat 720
 catgaccggc acgaagaagg gctgcggaac ctgccactt tgcacgcaa cggcaacgag 780
 aacgacgcat atgtcctggc cgagtttgaa ctgatcaagc agcaggtaga ggaggagcat 840
 cggcacgggg ccaagtcgta taaggagctg ttctccaatc gatccaatac ccggcggatt 900
 attctggctt gcgcgtgtca ggcgtcgacg cagatgtatg accctccttt gtttacaaga 960
 ctggtgttac tattacgcac ttagagtggc agtcacgaga ccaacaccaa tactgacctt 1020
 ttacaggact gggtctctg ccatccaata cttctcgccc gccatcttcg ccagatcgg 1080
 catctctacg tcccaaacc tgctctacca aggcataac tccatcatcg gcgaactcgc 1140
 ccagtttatc ttcttcttcc tcatcgaccg cgtcggtcgc cgcctctcc agattgggtg 1200
 caacattgcc tgcggtcctg cgttcacat cgggtgcagc ctgatggcgc tatacccgcc 1260
 ctggtccaca aacacctctg cacattgggc attcatcgtc accagcacgt ggtttttcaa 1320
 tttctgcttc tgcgcctccg gcacaatgtc ctggatcatc cccgcggaag tctttaacac 1380
 cgcgaccgc gccaaaggca tctcgctagc cacgatggc tcgttcgctg ttaacacaat 1440
 gatcgccgag gtaacgcggg ttgcgttga gaatatcggc tggcgggtact atattctttt 1500
 tattgtgtgt gactttggaa atgctctctt cttttatctg ttcttgccgg agaccaaggg 1560
 aattacactg gaggttatgg acgatctctt taaaaactc cgcgtgcttg tccctggaag 1620
 tcggtggca 1629

<210> 20038

<211> 1635
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20038

```
tgtccagggg ttcgccgtta atcaggttat gtgtactacc caaacatata tgtctgaggt 60
ccttcctcct atactccgtg gcccgatcct cggcctcttt cctaccttta tcctaattggg 120
ccagctgatac gggagcataa tcatctatgc tatggctgcc agacgcgggc cagaaggcta 180
caagctctgc tttgtgtccg agtggccatt ctctgttctc ccgttcgtgg tctccttctt 240
gatgccagag agcccgacat acctcatccg agagaatcgt cttgacgagg cccgcagatg 300
ccaggagcag ctctcatatt cgacagagga agcagatatg gtctttcaac aatgccgttt 360
ctccatcgag ctagagaaga aagccaaagg ctctgtgccg gggattccg attgcttcaa 420
gggcaccaat cgccgccgaa caatggtcgt tttattcgcc tgcctcctcc cacagctctt 480
cggaatatcg ctgctcgcca gaggcagcta tttcatgcaa gttgtcggca tgaacgcgca 540
caccagcctc atcttcctcc aggtagggtg cgggctaggc ctcgctcgcta acgtgggtag 600
catgatcaca gtagccaagt ttggggcgccg ccctctcact ctcttcggtc tgatcgcttg 660
cacaatcctt tggatgggga tgggcattgc gggttgtttc cctggaactg cgactgtctg 720
gtatgtggcc tccccataga tcaaatacagg tccttcagaa aacgcggact caactggctg 780
atcctctaaa ccaattaggt acaccagat gaccatactt tttgtagtaa cgcttaccgg 840
tctaactatc tggcctgcct catacgcctt cggcgccgag gcgtcctctc tgcaactccg 900
agctaaaacg cagggctctgg gctggctggg caattgtctc tcgaatggta tccttggcat 960
cgtgctgcct tacatcttta atgacgatga gggggcgcta ggcgcgaaga ccgggtttgt 1020
ctacatgggg ttttgcattc tttccctggc cgcggcatgg aggattgttc ctgagatgaa 1080
ggataagacc gccatggaaa ttgatcaggt gtttacaggt gctcagcgga ggatcgtgca 1140
tggcgacgag gaagaaattg cggttaggga gagggaggag aaggcgtggg aatgtggatt 1200
tggaagacct tatgttgctt agcatggat gtggtacatt actatctaata aattttatgt 1260
catgcttggt ttacgacttg ctattgacag tattgtcacg gacatgcagt tagaggggtga 1320
gatatgaagg tatccagcaa aattgctgca gatatagagc ttttgtatat acaggcagct 1380
gttaatgcta ccggctgcca ttctgtcttc tatccataaa agatagcaat gagtagatgg 1440
```

tagctaactt ttgtttgata catcgggtaa ggccgagtca ggtagactag gcaattgcag 1500
gatatggtcg catcccagcg atctccttcc gtacaaagct gcggtagagc cacttcgctg 1560
ttaacgaacg agtttaatgg agcagtgacg tccgcaaatt gtatctcgtc acacgaaatc 1620
acacggaggg atgca 1635

<210> 20039
<211> 1635
<212> DNA
<213> *Aspergillus nidulans*

<400> 20039

ccctctctga accccgcaca gaaggacttc ctctgtagga cgggtcaagga ttgggcgaca 60
caaaatggcc ttatggtcag acctgcacct acattcgtct cgaaagaatc cgaccctcgc 120
ggcgtattgg cgacaaatgc accggtgact ctgtttccta gcccgtttcc gaggacgtgc 180
ttcgaagagg ccaaggcgtc gcagactctg tacaataagc tctatgccgc gataacatgc 240
aatgaagaat ggattggcaa aattatggaa gagtaagggt tatcttctga gttcatcttg 300
tttccttatt tccttgctgc ctttgtattt ttctggagac atgctctatc agaaccacag 360
aacctagact aaacatggcc tctgactgta gtcttattga cgttgatgac ttcattctga 420
acctctggaa agtgcattct gccgtcaagg aagagggcta cgctcaaaca ctttctctcg 480
gtctttttcg atctgactat atggcacacg ctccgtcaac ttcaacgatt cccgaggtta 540
aacaagtgga gttcaacaca atttcttcat cttttggcgg attgtcgtca ctagtggcgt 600
ccttgcatte tgaactctta gattctcccc cgggcagccc catcgcttac ccgtcacacc 660
ctttgctgaa gccaaaagcc atccctgaaa atactgcagt agagacgttg tccgcagggt 720
tggaacggc tcacaccgcy tacgggcaat ccaagtcgca accacagctg cctacatgta 780
tcttgctcgt ggtccaagaa aatgaacgaa atatattcga ccagttggct ctttcgcgcc 840
aactcacgaa ggtccacaag ataccggtct tccgtttgct aagctccgag attctcgacc 900
atacctacat ccccgctcc aatccctcac gtctctctgat ctaccgcccg ccatatgccg 960
aagagataca ctttgaagta acaaccgtct acctccgttc tttctacaca ccaaccgact 1020
acaactccaa ccgtgactgg gagggccgaa ctacacttga gcgtccgca gcaatcaaat 1080
gccaacagt cctcaaccaa ctctcggggt ccaaaattgt tcagcaggtc cttgccacgc 1140

aaacgggaca ggaccatctc gcaaccttcc ttgccgacac tgacccagct ctcatTTccc 1200
 gtctccgcgc aaccttgcgt ccgcaatacg acctctctgt ttctggaaag ggccgtgaac 1260
 tcgcactcag cccctcgacg gcggcaaacc acgttctcaa accccagcgt gaaggcggcg 1320
 gcaacaacat ctataaaaca gccatcccag atttctcaa ttccatccct gagaacgagt 1380
 ggaagcgctg gattcttatg gagcttattc atcctccagc ggccgcgaag aacattgctc 1440
 tccgtagcga cggcgagggt ctcgctggtg gagttattgg ggaactaggc gtttatggca 1500
 ctatTTttatg ggatcagagt aataaaatga ttcttcataa tgagcagggc ggatgggtga 1560
 tgcggactaa ggctgaaggt gtgaatgagg gtggtgttgc aacgggattt togagtttag 1620
 atagccttgt tttgt 1635

<210> 20040
 <211> 1638
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 20040

tgaccactg gcggtggaga gtttccgcga tgcagcggag gagtgtatgc tatacgttgg 60
 atattgttaa ggagccttat tgacatactt tgtagatct tctgcggctt gcctcatatg 120
 tgcgcacatc tatgctttca agcagacgcc tccaacctat ccctcacgac ttogaatatg 180
 ctctgaaacg tcaccatttg cctgtcggct cccttatccc gcacctacag cctaccccaa 240
 aagtcgaacc caccctacc ctactaccta gccctccgcc agaagaggat gacttcaaga 300
 tcttaccttc tctcgaaaca gagttaagtg gtgaggacga ccgcgccagg agcacatata 360
 tcccgaaaca ctttcccgag ttcccgagca aacataccta ccgtcacaca ccagtctata 420
 ccgagcgaga acgagatcct cgtaagatcc gtgagcgagc agccgacgat ggtcggcatg 480
 gagaggaagc gttgcgaaag ctcgctcgag cggcgttcaa agacaatcag gccggatctg 540
 gtggtcgtgc taagaaacgg tggggtggga agacggagag cttcgagagc atgtttgaca 600
 agacggtcaa ggggttaacc aaaaagggtga cgnataatga agccgcaggc cccacaggca 660
 gttcaaacgc gatggaaatc gattccggca tcaccccggt cactgaacga aagcccgcgg 720
 tatttaaagg cttaactagc attgaattac caccatcat aaattgcgaa cggggctttt 780
 ggcggcgaac cgcggcgcca gggagacaaa ggccggagga gaatccaagc gcaaagcata 840

atccagaact gtcaagagtt gagagttggg taagcacata agagacgcgg gcagttgtgg 900
 gagcgagaag catcgtagcg gcgtcgggcg tttcgcatth gtcctttttt atagcattat 960
 tcgaagatac ccatgtgaat tatatttgta attgccacga gaatcgctat cctgcactgt 1020
 accggcgctat aatgcaaaat ccaactaaac tccgtaaagt cgacattgta ttccgtgctc 1080
 ttgctgatat caagcctttg atttattccg agcctcgctt tctcgcgctg tatctcgctc 1140
 cgcttgctgc aaagggtccc acgaggctcg ctcaacggtc aacccatccg cacatctatt 1200
 acagagccaa gtcagcttat tcgcacgcca ttgcacatca atccgtcaac cgcttacttt 1260
 ctgaaaagcc gcacaacttg attgcagaca acaacccccg gcccaggagg ttttggcgga 1320
 ggattgcacg agtattgtac catttccata agcttgcat tctcaaggct cactgcgcgc 1380
 cccttgcgcc gcttttcttg atggaagttc ttgggtacaa tgttgacgtg ttccgggagc 1440
 ttttccacgt cgaaaagggg gacgaggggt gccattgatg ccgttcgaag tttgtgaagt 1500
 tgatatacag tgtcagcgtg gtacagagct gagggtgtc tttttagag aaaagcatag 1560
 gggaagttga tgaagtgggt gtccgggtgc ggaatcaaaa ccgtcggagt tagatggact 1620
 attacatccg ccgatgct 1638

<210> 20041
 <211> 1638
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20041

gcctgggggtc atccctgggt ggtcctccca ttagccgtga tcttatatat tgtagtgctc 60
 ggggtatatc gcctattctt tcatccttta tcgcgctttc cgggccctgt cctcgcagct 120
 ttgactgtct ggtacgagtt ctattacgac ggaatccggc gaggcctgta tacttttgag 180
 attcagcgca tgcataaaaa gtacggggccc gttgtccgga tcagtcccaa cgaactccac 240
 gtcaacgagc cttcctttat tgatgagctg tacgcgggat cggggaagag gcgtgacaag 300
 taccctact ccacgtgcca gttcgggtatt ccggacagcg tttttgggac cccgggacat 360
 gacctccatc gcctgcgacg cggcgctctc agcagattct tctcgaaaac ctgagtgcg 420
 aagctcgagc ctataatcga gaatgccatc gggaaactct gcacgcagct cgagagctat 480
 tctgggtcgc agcaaccctg gaagatggac atggccttta gttgcatgac gactgacgta 540

gtgactgagt acgccttcgc taaaagctac aatcttctgg actcaccacac gttcgaaccc 600
 aacttcacc gccccattgt tgccggggct gatctgggtc cgtgggtcaa gcagtttccc 660
 gttctgctaa aggtgatgaa cgacctcca aaatggatcc tgacgagaat caaccccgag 720
 gcggcagtct acatccagtt ccaagaagac ctacggagac agatccgtga ggtgcaatca 780
 caggtcgata agggagagtc gaatgggaag attccgacca tttttcacga actcttgacc 840
 ggggatctgc cagaacagga gaaacggatt gagcgctctt ggcaggaagg tcaaattggt 900
 gtgggtgccg gtacggagac cactgcatgg acactctctg tcacgctggt ctacctgtc 960
 gacaaccgc gcatcatgcg ccaacttcaa gaggagcttg agcggatcat tctgatgcg 1020
 gcacagtctg tgacttggca tcagttggag caactccgt atcttagtgc cgtgatctgc 1080
 gagggcctcc gtctatcata cggagtgagc agtcgattgc aacgcatcaa ccccttgga 1140
 cccctctggt gcggtctcgg gatgcgaaag gcggccacac ggaaaggcct ggggtggagta 1200
 tgagatcccc aaggagagc cgcgcgggat gacttcacc ctgatccata ccaatccga 1260
 actgttcccg gatccgatg agttcaagcc cgagcgatgg ctcgatggtg caggaaaacg 1320
 ccatcattca cttgacgggt acctgtgtc ttttctcgc gggagtcgtc agtgcattgg 1380
 tatcaagtaa gagcagcctg ctccctcccc agcaggagc ctttgctagg cgtctacagt 1440
 attgggcgat cttttgctga cagaccaca gtcttgctta cgccgaactc tacatgggac 1500
 taggcttgtt gattcgacgc cttggccatc gcctagaact ctttgaaacc accagcgcag 1560
 atgttgagat ccactacgaa cgctttctgc cgacaccta agacggaaca cagggcacatca 1620
 gggttctggt ccatccgg 1638

<210> 20042
 <211> 1641
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20042

tcccggcgcc tagcgtacaa cttcaaccag ggctctcgca gtcgcgccgc cctgaagtcc 60
 atccagcccc tcaagcgtgg ctttgcttct cccgtcgtc tccgtccac cactcagtcc 120
 accaccctct ccaacggttt cacggtagc cgacgcattg gctcttgaga ttgtgtcctg 180
 gctttgctaa cgactataga tcgccactga atactcgccg tgggccaga catcgaccgt 240

cggcgtctgg atcgatgccg gtagccgagc agagactgac aagaccaacg gaaccgcgca 300
 ctctctggag caccttgccct tcaaggtgtg tttcctaaaa acccacaatt aaatgatggc 360
 taacaggtca tagggcacta gcaagcgctc gcagcatcag ctggagctcg agattgagaa 420
 catgggtgct cacctcaacg cctacacatc ggtacgctcg gattgatgga acgatcgatg 480
 gttttgcgtc attgcaaact aacaatgctt ttagagggaa aatactgtct actacgccaa 540
 gtctttcaac aacgatgtcc ccaaggccgt cgatatactc gccgatattc tgcagaactc 600
 caagctcgag tccgctgcca ttgagcgtga gagggacgtg atcctccgtg agcaggagga 660
 gggtgacaag cagctcgagg aagttgtctt cgaccacctt cacgctaccg cttaccagca 720
 ccagcccctt ggccgcacca tcctcgcccc caaggagaac attcagacca tcaccgcgca 780
 caacctgacc gactacatca agaccaacta cactgctgac cgcattggtcc tcgttggtgc 840
 tgggtggtatc cccacgagc agctcgtaaa gctcgctgag cagcactttg gctcgctccc 900
 aagcaagccc ccaacctccg cccttgccgc cctcacgct gagcagaagc gccagcctga 960
 gttcattgga tccgagatcc gtatccgtga tgatactctt cccactgctc acatcgctct 1020
 tgccgtcgag ggtgtcagct ggaaggacga cgactacttc actgcccttg ttgccaggc 1080
 catcgctggc aactgggacc gtgccatggg caactctccc taccttgga gcaagctcag 1140
 ctcttctggt gagcgcaaca accttgccaa cagcttcatt agcttctcca ccagctacag 1200
 cgacactggg taagcacctt gtcccgtttt attggctctt tctaataatt tgcagtctct 1260
 ggggtatcta cctcgctctc gagaacatga ccggtcttga cgaccttata cactttgccc 1320
 tccgcgagtg gtctcgctg tcctttaacg tcaccgcggc cgaggttgag cgcgccaagg 1380
 ccagctcaa ggcttccatc ctctctccc tcgacggtag caccgccatt gctgaagaca 1440
 ttggtcgcca gatcatcacc accggacgcc gtctctcccc tgaggacatc gagcgcacga 1500
 ttggccagat caccgagaag gacgtgatgg actttgccaa ccgcaagctg tgggatcagg 1560
 atatcgccat gagcgccgtc ggcagcatcg agggatcctt cgattataac cgtatccgat 1620
 cggacatgag ccgaaacgcc t 1641

<210> 20043
 <211> 1642
 <212> DNA
 <213> Aspergillus nidulans

<400> 20043

ggccctccgc agccatacag gtaccttttt ccctcccaca ccatatatct atacatgttg 60
accatgctgg acagtcccca atatgcaccc cgcatacc ccccgccaag ttctaccga 120
tatccgccac caaattaccc tccagcttca gcaccctatg caccagga cctcgatac 180
tcaccttcac cctacggcac accgocgctt ccaccccgcc catcctcgga atctcagtct 240
cactcgcta gcttacgctc gtacccaagt gcgccacctt tgccaaaccc ccatccattc 300
gtctaccctc tttctaactc taccagcgtc cccgccctcc ggggttcaac cgctcccacc 360
ccggcccccc tcaggtttcc aaccctttgg ccatggcgcg ccatcaaact accacttcca 420
gtactccagc tgtaccggcc ggtggcgcg cctcttaatt gggataaact actttggcca 480
gccgaaccaa ttgcagggat gtatcaacga cgtgacgaac gtctcgacat tcctagcgga 540
gcggtatggg tatcggcgag aggacatggt gatcctcaca gacgaccagc agaaccogaa 600
gagtttgcca acgaaagcaa atatccttcg cgcgatgcag tggcttgta acggggcgt 660
tgccaacgac agtcttttta tccatttttc tggatgttt agccgccg ttcagtcgtg 720
tggaattcaa ttaacggac tcaggacatg gtggtcggac acccgatctt gatggggatg 780
aggatgatgg ttagtcgtac tccgtattct ctttactgta ttgtcacgac atggctgtca 840
gtggcaaagc ggaccagact ttgacatggg tgtctaggct tcgacgacgt gatctaccog 900
gtggactacc ggggtggcgg gcacatcggt gacgatgaaa tgcacgatat tatgttcgct 960
cactcttttt acgttcacaa ctaccatcta ctaatgccag cagggttcgg ccccttcagc 1020
ctggagctct gacggcggtc ttcgactcct gccactccgg aacagccctc gacctccct 1080
acgtctactc caccaggtc tgtcttccat tctcctcgc caattcgcaa gatagcatca 1140
ctgacaagcg tacggcaggc catcctcaaa gagccgaacc tcgcaaaga agctgcatcc 1200
gacctgttct ccgcgatcac ctctacggc cgcggtgact tgagcggcgt cgcgcaaacc 1260
gccattgggt tcttcaagaa ggccgcgata ggtgactcgg cgcggcgccg gactgtgcgc 1320
aaaagacct caccggcga ttagtcatg ttttcagggt cgaaggactc acagacatcg 1380
tacgtccgct cgtcatctat caatattcag acggaagaga caacggtagc aaatgctgac 1440
attgtacagt gccacacat tccaggacgg cgaagcacgg ggggccttaa gctgggcatt 1500
tatcaagggt ctgcagcggc atccgcacct gagctatgtg caactgctga atctgatccg 1560

agcggagctg gaaggggaagt atacgcagaa gccgcaattg agttgcagtc atccgttagg 1620
 taagttccca tgctgggttc cg 1642

<210> 20044
 <211> 1643
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20044

ccagccaaca ggtatgccaa tcgccaacta aggtttcttc atcgttacgc ctgcttgcca 60
 ggcctcttca tcaacaacga attcgtcccc gccgcgtccg gcaagaccct gaccaccgtg 120
 aatccctatg acgagtctat aatcgcaaca gtttctctg ccggcccgaa agacgttgac 180
 cgtgccgtcg cggccgctcg ccaggcggtt gcctcagaat ggcgcggcct caccctctct 240
 gaacgcgggc tctgtctct ccgccttgcg gacctgtgtg accgcgacaa ggagatcctc 300
 gccactatcg acgcatggga taacgggaag ccgtacgagc aggcactggg cgaggacata 360
 gccgaggtca ttgccgtctt ccggtactat ggcgggtggg ccgacaagat ccacggttcg 420
 acgatcgata cgggcgatgc gaagttcgcg tatacgcgac atgaaccctt cggggtgtgc 480
 gggcaaatca tcccgaggaa ttatcctgtt atgggtattt tctcttcga gatttctcct 540
 ttctgaaaca tgaaccgctt gatttccagt gctgattgtg tagatggccg cgtggaaatt 600
 aggtcctgcg ctgcgtgcg ggaacaccgt tgtcctcaag gccgccgagc agacgcctct 660
 ctcggtgctg taccttgca ctctgataaa ggaagctggc ttcccggcag gcgtcgtaa 720
 tctgctgaat ggcgaagggg ccagcgccg cgccgccatc gccggccatc ctggtgtcga 780
 caagatcgct ttcactggga gcacaaacac cgggcgcgtc attatgaagg ccgctgcggg 840
 caatttgaaa gcgatcactc tagagacagg cggcaagagt ccgcttctcg tatttgatga 900
 cgcaaatata gaccaggctg tcaaattggt ccatgttggg atcatgagtg agtgccttgg 960
 aatctagcca ctaacaggac cgaaatagaa gctgattggg agatatatag gcaacatggg 1020
 ccaaactctg acggccactt ccaggatata cgtccaagag acgatctatg ataccttctg 1080
 cgagaaattc aagcagtaca cgatcgagaa cagcaaggtc gggtcgcaat tcgaccctc 1140
 cgttactcac ggccctcaga tctccaaggc gcagcgcgac cgcctcctga gctacgtgca 1200
 gtcggccaaa tccgaaggcg ctgagctggg actcgggtgac gagcctgtct ctgaaaaggg 1260

ctactttgtc ccacccacga tcttcaagaa tactacgcgg gagatgagtg ccgtccgaga 1320
ggagatatatt ggtccctttg tgcgtattca gtccttcagt acgcagcagg atgcgattaa 1380
caaggcgaat gacactgagt atgggcttgg ggcggcgggtg ttcacggaaa atatcacgcg 1440
ggctcatcgc gttgcggccg caatccaggc aggcattggtg tgggtaagtg tctggtcctt 1500
gtctattctt aggatatgcc gatcagagtg gatgctaagt taagtagatc aacagttctc 1560
aagactcgca ttttgctatc ccttttggcg ggtacaagca gagtgggatt ggtcgggagt 1620
tgggtgaata cgctctggca gcg 1643

<210> 20045
<211> 1643
<212> DNA
<213> *Aspergillus nidulans*

<400> 20045

gaattggagt actccttgca ggcattgttt tacttgtttt ctatgctcgt ggagtgcagt 60
ctgaccgaac gctacttaca ggcccgttac tttcccgctg gggactagga tccatcctgg 120
gcgctttggg tggcacccta atggccattc ttgggttgac tgagataaaa gtgcttgagt 180
tateggctct actggctgcc gtcgggagca tctgtggcgc ttcggtcgca atcttcggta 240
gctcacagcg cttatcgctg cctttaccga actcactttg gggttggctt gccattctat 300
tcaccgtcag tcagtctatt ggcttcgcat ccaattctta tacgatttgg gaggatgaga 360
tcttactatt ctttctttct acgttcggag ttgttgccgg cgtctctgcc atgcgccaac 420
agtcaacaac ggacaggggt ctcgggggtct accattcaat cgtgttcgctc atattaggaa 480
ggatagcatc tctatctcgc ctttgccgtg aggagcaaat gccattctgc cgctcgactt 540
actatgcctc tagcacatct tcaacctccg ctccgtggca gctgactatt ccattcctcg 600
tgacgctcat cttgccaaca gtcacaaag gtttctatgc cggatcgaag tccatgaag 660
gagcggccag tctgtggatt ggtattggtt tccgtctagg actgtttgtc acctcaatct 720
tctgggtcct ggaggaaatc gacagcaaag aatggctacc tctcagcgat gaaagtctga 780
agacagtcag ggtattctta gccagcttg tccctggcct tgcttttgct gctggcacia 840
cggctttcac gtactcaaaa ccgtgcgtga gcatcagcgt ggcacaaaca aatacagagc 900
ccgaaccgaa gcgtccctcg ctcggcgaac aacaactccc aagaactacg gtcacaatcc 960

ttggcttcgg caacgttcat ggcacccgct tcttcttctt cgcaatcaat ttttgtctag 1020
 ccatcacct catgcagaag cccatgggcc aaggcgccat gggcctcctc ctctggcaaa 1080
 tcctttctct tcttgaaatc cttgacacaa acgtctctgt caccaacaac tcctccatcg 1140
 gccctgtcgt cctcggcctc ctcggtcctt ttactatatt caaacaggc caccaggcaa 1200
 ccattagcag cattcagtgg gaaacggcat tcatccccct cacaaccgtc aagtatccct 1260
 ggtccccgct cctcgtcgtc ctcaacacct ttggcgcgca gattcttacc gctattgctg 1320
 tccccctgac cgttttatgg aaacggcccc ttcaactcaa cgataagagc gcctcctcca 1380
 cctccgaaaa gccagccctc agactcctct ccgacgttgc tcaggctgcg gcgacatata 1440
 tactttactt tgcgacgac aacctcgcca cgacaatgtg ggcgggtcat ctccgccgcc 1500
 accttatgct ctaccgtgtt ttcagcccgcc ggtttatgtt tgggtgaatt gttctgggtg 1560
 ttgtagatgt cgtccttatt ctcttctcca ttgctggtgt gcggtggagt acactcagtg 1620
 ttggagaaat ttttggttgg tga 1643

<210> 20046
 <211> 1645
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20046

tgctttgctg caaggacata aaccctaaca agcagaaatc aagattgggtc ggcggtagta 60
 aagataagcc gaataccagc aagggaagc cccggctcgt gctgaaaggc cgcatctaca 120
 tggcgaacgt caccgatatc gtctggcttc aaaaaccagg taagccgaag ttcattagca 180
 gtgcgaacca cctcatggta acaaggattt gctaggctct tatcgcatc agatcttctg 240
 gaaaggggac cctggtgtgg tggataactt tattatccgc tatcagaatg aagatacaat 300
 gcggaaatgg tacaaggaca tcaatacaca acgggagata caagcggagc aacgcagtgc 360
 tcgcaatacc ggcacatccg attccgaatt tacctacatg aaatctttga gcaacatccc 420
 aaacccttac cagcaagaat atgatgttga agagcagtcc acgaaagaag cagctttctt 480
 ctccgaattt cctatgagtc gcaatgcttc gactacaagt ctccgaaccc gatctgcgac 540
 aggtggaagt ggtagctctg gtcctccact ttccactagc cgaccccggt acccagcaat 600
 gcctgactcg actttgtcag tacacacaca gttccctggt ggaagtatgt cgccaggaga 660

gagaaatggc aactcttact tctctctac cgagtcggcc aggtcgagct cacaatcggc 720
ggataccctt acaatcgcca ggtaaccccc gtcaccccat ggggcgacga caataaccca 780
tacacagccc ctgccctctc tcgcgccaca tctagggacg gttctaactc gggttatctt 840
aatggcgcac caccgaatgg gcgcagtgc caacgcccgt ccctgcctcc aatgtcaggt 900
agtaaccaat catcgaaacg cgcgctccag aggatgcgtc cgcgagcagc ccggacattc 960
accatcacia tcttgaatcg cgtcgggtaca tgggtgttca cacaatgcaa acagttgaca 1020
atgtgcccgt tccacctatt cctgctcata tggccaacat gaaggcgccc gtcaatcgga 1080
gccagaataa ctccccgact aatcaatctc ttccattcag aacgaatact tctcagcct 1140
tccatgagcc tcagtactcc gacgggcgag cggccgcgcc tctttcagat cagccaactt 1200
ctccattaag ccacgaaccc gaggaggagc cgttcatgcc gacccaattg aaggccaaag 1260
tcaactttga cgagaactat gtaacactgg ttatttccag caatatcgga ttccgtacgc 1320
ttaccgaccg ggttgacgcc aaactcgcca gattcaccaa ccgctcaatt ggcagcaaga 1380
cggtcggttt acgttaccaa gacgaggacg gcgactttgt gacaatcgac agcgacgagg 1440
ccgttcaact cgccttcgtg gaatggaaag aacagcatcg tgaggagctt gcacgaggtc 1500
aagtcggcga gatccaactt ttctgccaac cgatcgagaa ctagacgacg ccgtttgcac 1560
ccatctctaa tccccctcta tctcagcttc tcagcttccg ctgagattgc tcttccgaaa 1620
ttgtttcaat gggccgaaac ggtgg 1645

<210> 20047
<211> 1649
<212> DNA
<213> *Aspergillus nidulans*

<400> 20047

gggatacccc ctgcgacgtt gaaatgatgt cagacatcaa gtccgggtca acaacgcaga 60
ttgacctcgc gatggatcca atcctcgaac gcagagtcac ccgcaaattg gaccttcacg 120
tcgtcccaat tctaactatt ttattcttat tcgccttctt cgacagaatc aatatcggga 180
atgcgcgatt gctcggcctg gaagaagaac tcggtatgga aggtcgccag tataacgttg 240
ctttgtttgt cttcttcatt ctgtatatc ttcttgaggt gccgagtaat atggttctga 300
aaaagatcaa gccaaagtgg tggctcagtg gaatcatggc gggctggggg attgtcacia 360

tttgccaggg ggtgacgcaa agctttggag ggctcgtggc ttgtcagtg attattggg 420
 gccttgaggc agggtttatg cctggtttgt ctctgccacc tttctatacc ccatccgctt 480
 taggcaatag tgctgacttc tggataggaa gcgataacct aatcaacatg tattatcgcc 540
 gccacgagct tcagcggcgg ctgaacttct tcttcagtgc tagtatcttc gctggcgctg 600
 ttagcggcgt atgactcttc tctcccccct tcttttactt cagcatcaag caaagaaaca 660
 ctaataccga cgagcagttc ctgcctatg caatcgccaa catggacggc aacggcggct 720
 acaaaggctg gcgctggatc ttcattctgg aaggcctagc aactgtcgtc atagccataa 780
 tcgcaaaatt catcatcgtc gactggccag agtcggcaac attcctgaac gaggaagaac 840
 gcgcttgctt tctccgcgt ctagcagagg accaggcga ggcgcaaag aaccggttcg 900
 acaagaaggc catgaagagg acgttttccg atccgaagat ctacctggg tacagactcc 960
 cttaaagctt tctcctgttt catgttttgg acaggacaca gtgattaata tgcgtgtaga 1020
 cccatcatgt atttcggcat cgttaacacc ggctatgcgg tctcgttctt cacaccaca 1080
 atcctgcaac agtcggcgtg gacctctatt cgtgcccaag taatgtccat ccccatatac 1140
 gtcgtcgcga tggtaatcac gctttcaact gcctggctca gcgaccgctt ggcccatcgt 1200
 tatgccttca cactcgcggg agtgctcatc gccacaatgg gctatgtcat gctcttgtgt 1260
 caaacctcca tcccagttgg ggcacgctac ttcgcgtctc tcgccatcac tggcggcgga 1320
 tatctaactc agccaatact gatgggctgg ttgagcaata acatggctgg ccattacaag 1380
 caatccattg cgtcggcgat gcaaattggg ttcgggaact gtggcgggtt agtggcgagt 1440
 aacgttttct ttgatagtga gaagcctggg ttcagaacgg ggttcggggg gagcctggga 1500
 atgacatggg tctgtggcgt ttcttgcgct gtatttctgg catgtcttgt tagagagaat 1560
 aggggtgagaa gtcaggggaa gagggattgg aggtttggtc tggaggagga agagaagagg 1620
 aacttggggg atgattatcc tacgttccg 1649

<210> 20048
 <211> 1651
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20048

tgcttttcat cgcactgggt ctctttata ccaccatcca ggtcgtctac cgtctctatc 60

taagcccgt atcgagattt cctggcccgc gccttgccgc cgcaacaggc tggtagcagg 120
 cgtactttga gctcgtccac aagggtggcg gacagttcct gtttgagatt cgacggatgc 180
 acgaggttta tggttgagta cgcggaatca gatagcttga ctcttgtagt caccagcacc 240
 tcacaggccc catcgtccgc atcaatcctt tcgaactgca catcgccgac cgggcctact 300
 acagcacctt ctacacctcc aactaaatc ttgacaaagc aagtcacatc cagcacccgt 360
 tcaacgcgcc aaccgcgcc ttctcaacgc ccgaacatgc gctccacaga cgcgcgcgcg 420
 ccgcaatatc cccgttcttc gcgaagcgcc gcatcgacga gcaggcgccc atgatccagt 480
 cacacgtgaa cgtgatatgc catcgtctaa gtgaggagta cgcaggcacg ggcaaagtgc 540
 tctgcgtcaa cgagctatac ggcagctacg tgacgggtgt gataatgacg tacgcgttca 600
 accggtgccc gcggttcctg gaagaagagg acttcgtgtc cgcgtttggg aagagcatcc 660
 aggggtcaa ggagtttgtg cactgggcgc agcagttccc ttgcctgccg cggatcctgc 720
 agaacgtgtc gccggtgctc atgggcgcgc tgttcccagc tatgcaggcg agtctggtgt 780
 ttcaggaggt aagctttaca ctctctccat tcaaatttc tgctgctggc ggactgacac 840
 cgggaaggaa atgcgcatgc aagcacacgc cgtcctttca ggccacggcc aaaagggcac 900
 catctttcac gacctgctcg cctcagacct cccccctcc gaactcacc tcccgcgact 960
 aaaagacgag gccatgagca tcgttggcgc aggtattgaa acgaccaaga tggccagcgt 1020
 cgttacgaca ttccacatcc tgcagaacct gcgcctctc caaaaaactgc aggacgagct 1080
 cgacagcgcg atccccgacc ccaccgctcc gccgtctctg agcgtgctgg aaaacttgcc 1140
 ttttctcgcc gcttgatca aggaggggat tcggctgggc tacggcgcaa cggggcggtc 1200
 tccccgatac tcccgtacgg aatcgctacg ctatggcgcc tggagcatcc ccgtgggcgt 1260
 catggtcagc atggatagct accacatgca ccatgacgag agtgtgtttc cggatagtta 1320
 cgcgtttgta ccggagcggg ggctggacgg ggcaagggg ccagatggga cggggagcct 1380
 aaataagtat ctggcctcgt ttagtcgcgg cacgcgcatg tgcgtgggca ttaacctggc 1440
 gtacgcggaa atcacaattg tgctggcgag gctgtttcgc gggttcgtga tggagctgta 1500
 tcagactact aggaaagatg tggactgtta tcgggatttg gtggggatgg aggttgtag 1560
 ggggagtcgg ggggttaggg ttaaggttgt ggggaggaga gagtgagttc tttggcttgt 1620
 tctgatatgg ctgcgttcca ctattgacta t 1651

<210> 20049
 <211> 1654
 <212> DNA
 <213> Aspergillus nidulans

<400> 20049

```

caaatatcac tgtgatgtgt gctctgtgga cgtcacttcg actgtaagaa gctcaacccc 60
gctgtaaaag tgttctttgt ttcgtcccaa tctttgttcc cctcctccgg gcccgctctc 120
attgctgacc ccgtcgtgcg ttaggttcgc atatcatgcg ctcacccatc ttgccctgaa 180
tacgatctat gtgtgccatg ttcgcggccg gagagaaaac aaaaaacat gacccatcta 240
cgcatccgtt tcaggttata gaacagaatt cggtgcccac cttccaagaa gattgggggtg 300
ccgacgagga gctcttggtg ctggaagggt ccgagatcta tggcttgggt tcgtgggccc 360
atatcgcaga ccatattggt ggatatcgga cgaaggagga ggtgcgtgat cattatttga 420
gcacatatat tgatagccca aacttcccat tacctgagcg cgctgatccg gaggatacgc 480
gtctccaaga ctcgatttcc aaggaggaat tccaggctcg gaagaaaagg cgcattgaag 540
agcgcaaaga ggcagctaaa gctgcacctc ctaccacacc aaagcagaag cctacagcta 600
gtgtacccgc ttgtcatgag gtgcaagggt acatgccggg acgactggaa ttcgagacgg 660
aatttatgaa cgatgctgag gaagctgtgc aacacatgac ctttgagcct ggtgcggggc 720
agacgcctaa tggtgaaacc gacgccgaga tggaaatgaa gatgactggt gtcgacattt 780
ataatacgcg ccttacggcg cgaacagagc gcaagaaaat attgtttgag cataatctcc 840
tcgaataccg gaaaaacaca gctttagaga aaaagcgcac aaaggaggag cgagagttac 900
tgaacaaggc aaaaccattc gcacggatga tgaacatga agactttgag gaattcaaca 960
agggcctaga atacgagcac aatctccgcc tggctattgc acaacttcaa gaatggcggc 1020
agatgggaat tgctgatctt aagggcggcg agaaatatga gcaggagaaa caacaacgag 1080
ctcagcggct catgccacaa ggatcattcg acagatttgc gagtacacgg cccaagcaga 1140
atcagcaatc tgagcagcct actgccgcca accaactaac aacccagag ctcccattac 1200
ggctccaaaa agccgctgac gcgcttctta aggcgcaaga acctaattgc cccttgaacg 1260
atttcgatcg tatgtttgcc gcgaacggtg acggaccggc cactcagccc cccaaaacta 1320
aatttgctgt tcagcccttg aacggggtga ttccgtggaa actggagaaat gaaggcgcg 1380

```

cggaacctcca tctgctaaca aaggaggaag tggagctctg cgatgccott catatccagc 1440
 cgaaacccta cttggtgatc aaggagacgc tattgaagga atcaatgaaa gctggtggga 1500
 gcttgaagaa gaaagatgct cgggctcttt gcaaggtatg ttttttcttc acacatattc 1560
 catagtaccg gcatacacca ctaacaactt gcccaatcag atcgacggca ataagtctag 1620
 tcgaatattc gatttcatgg tgcacagcgg ttgg 1654

<210> 20050
 <211> 1656
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20050

tcagtggcgg gaactgcaac cgattagctt tggtgctctt gctagcagta gctcaagaca 60
 agggcccggt gagtcgtcac aggcagggtga aagcagcaat gggctcctct cgggagggggc 120
 acgtagcggc ggcggcgagt acgagatgat gaacatgaag ggagaaggcg cagtatagcc 180
 tttccagctt ttatttttat gtcttattct tatgttggtg ctgggcagct gttacgggtac 240
 ggggctaccg atcacttcgt ttctcactgt atatttagtg tatgtatacc ctagctggca 300
 tgataatcta gagcaggcgt tttgggttcg aatgtcatat tgtttattgg atagaacacg 360
 cccagctccg gttcattaac tgcagtatga atgatgtatc ctacctaaaca aacccaatgg 420
 cttctccctg ctcaaaggct gtgacgagcc atatctaaac caatagattt cgcataatcg 480
 aacgccttca aacaacatgc gccttccgac aacaagctgc accaccgcat atctccaact 540
 caactccaac agatgaagtg ggggtggagat aagactgcaa agttaaaagg atgattgccc 600
 ctgccgttta ggctcccatc taattaaaca tcctttgtat ctcatctatc cataccttat 660
 atctgtcatc ccattctcag ttgccggcct actgacaagc gaatctcaat gtccaccaacc 720
 accgcgacac tgacaaaacc ctcccccgca cagggtggcag tagcacccaa tcccagagctc 780
 tcgaacgaga acagtacaat caagaacatt ccccagctg ccacagacaa agtcttccaa 840
 gccaccgctc gcggcaaccg cgccggaacc ctcaagccac gcggcatccc gaccttcagc 900
 gatccctatg ccgagcgcca atggataaag gagcacatgg ccgcggcatt ccgctgtctc 960
 gggaagcagg gattcaacga ggggatcagt gggcatatct ctgttcgcgg taaagtccct 1020
 gcatttctc ctatttttat cttcgagaac catgtttttt gctaagacgt tgtgcagacc 1080

ctgtgctcaa agaccacttc tggatcaacc cattcgggaa acacttctct gccatgaaag 1140
 cgtcagacct tgtcctcggt gatgcggaag ggtacgtgac tgagggagga gcgcagcaag 1200
 ctatcaatga agccgggttc atgatccact cggagattca taaggctcgt ccgatgtta 1260
 tggctgcggc acatacgcac gggatttatg ggaagacgtg gagtatcttt ggcaagccca 1320
 ttgagatgct tacacagggc atcactcgtc cgaccctttg ggggttttgc cagggttatg 1380
 cttacaagat aatacagatg catgcaactt ctacggcaaa cttgctgtgt atgaagacca 1440
 cggtagcgtc gccctagccc aggacgaagg acgggccatt gccaaagcgt tgggcaagga 1500
 gaatattgct tgtatcctgc agaaccatgg gtgagccacc ttgccctctg cgctacataa 1560
 tggttaccta atatgtctcc agcctcctaa cagtaggctc gaccgtggac gaagccgcct 1620
 ggctcttcgt cagtctcgat tctgcctgcc acgcgc 1656

<210> 20051
 <211> 1656
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20051

tgccattgct tgctgccgac tgaatacgac ctaccgctgg tgcattgagcg gaacaccaat 60
 gatgaacaat gtcgaagaat tgcattcttt attgaaattt ttgcgaatcc gtctttacgc 120
 taacctggat cgtttcaaga gagtgagtgg tttagttttc ccggaatttc cgctacgtat 180
 cgcagactaa ttgaggccaa ttaggacttc tctgcaccgt tgaaaaccaa caacaagcac 240
 ctccaagaga aggcgatgac gcagcttcgc attctcctca aagcagttct actacggcgc 300
 actaaacatt caaagataga tggcaagccc attttcgaca ttccccctcg attctcggaa 360
 aagggtccatg ccgttttttag tgaagatgaa ctggaattat acaaagcact ggaagcgaaa 420
 actcaacttc aatttaacag atatctcgag gccggaacag tggggcgaaa ttattccaac 480
 atccttgctc ttcttcttcg tcttcgacaa gcctgctgtc atccgcactt gattactgat 540
 tttagtgtca agctcaacga ggcttctgaa ggagtcgatt tcatcgccaa cgcagagcaa 600
 tttagcaacg aggttggttc tcgcttacgg gataatgaga atcttgagtg cccggctctgt 660
 attgatgcag tggacaatcc aatcattttt ttccccctgtg gacatgggac atgcagtga 720
 tgtttctcta gaatttccga tccgtcgttt tcttgcagc aaggcattga tggagctgcg 780

caagtgaagt gcccaaattg tctgtggagtt gtcgacccca agaaaataac cgatcatgta 840
 tcttttcgga aagttcattt tcctgatgag tctgaggatt cagctggtct ggggggcttg 900
 gggattgcga ttaaggaaga cggggaccgt gacgataccg atgacagcga cgagggcgca 960
 actttgtccg attttatttc gaatgacagc gactgtgact taacgcctcc caagagaccg 1020
 aaagtaagaa gcaagggcaa aggcaaaggc aagcccagaa agactcttgc cgagctgaag 1080
 aaagaagcct cgaaaaacca ggaatcgaaa cgcaagtact tgcgtcgctt ggaaaagact 1140
 tggattacta gcgcgaagat tgagaaaacc atggagatta tacgcgatat tgagcgccgg 1200
 gacaacaatg aaaagatcat catctttagc cagtttactt ctctactgga tctgctcgag 1260
 attccaattg cgcgtgaagg tcaccggtat cgtaggatat atgggagcat gaagccagcg 1320
 gatcggaact cggccgtgct agactttact gatgacccca gctgcaaagt catgctggtg 1380
 tctttgaagg caggcaactc cggctctgaat ctagtcgccg caaaccatgt gattatTTTT 1440
 gaccggtttt ggaaccctta cgtcgaggag caggcggttg accgtgctca tcgcattggg 1500
 cagttgcgag aagtccatgt ccatcgaatc cttgtaccag aaactgtcga agaccgtatc 1560
 atcgagctcc aggataaaaa gcgcgctatc attgatggtg cattggacga gaaggaatcg 1620
 aagaacattg ctaggttgag caccctgag cttggc 1656

<210> 20052
 <211> 1658
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20052

atctgcagaa attgtgactt tacgtggtgt taatattggt ccaggtatat cggcgttctg 60
 aatgtgacat tctcgaagaa gcgctccaag aaatcttcgg aggctcagct tgaacaatca 120
 gacgttgatg ctacagatga tccgcaaaat aaaaatactg tcgcaaccac cggacacagt 180
 ttgcacgaag ctgcgaattc tgtggagaaa gagcgcattt ttagccagaa acaagtcaact 240
 ggtatagtac ctaaggtgat actcgaaaat aaccgccata ttattcctgt tgatctgttc 300
 tctcataaaa gacctcgac agcgactgct gcgctgtctg acatgcgccc atcctccaac 360
 ggggccgggc gcaccactaa ccagcgaaac catgaacatg gttcgttgga tgaaaaactc 420
 tcccactcgc cagcgaaaaa gacttggggg gctaccactg tcaatcgga actacaagaa 480

caggtttctca gagaggtatt cagccacact gccatccacc accataggcg ccatgcccga 540
ggactcctca accctacgag aacgacatct gatggccatc gtcggagcgc caacctttcc 600
gaatgtctta tcacccgtca acctcgcatt atggaacaga tggaaccacc ccgatctcct 660
gccattgaca ttgtaaagaa aggcagcgac ggtcctggcc tctcgtcgtc cgcttccacg 720
gctcttgagg gtggtcagca gcaccttgaa tcgtaaggt cggaggaggc cgtcccacgt 780
tctagctcgg tgtcgcgaac tcgaagagta cgacgtcggc actccggcag tggcctgcag 840
aggcggggaa caatggattc ggacaagggc ggcggcgaat taatcttttt cgaggatgag 900
ggatacggtg gtgacaagga ggatgaaata ttctcaatgg aaagtgcgc gcctacgtct 960
tctaccacac ctggcgaagc aaggctctct agctccagcc cgtctaaagg gagtgacctg 1020
attcctcaag ataggtggac ttctgggtgt cctgtcgtcg aatcttcgaa gagccccgct 1080
tttccagggt tcaacgacaa tatattatcg cagcctccag ccaatccaaa ggaagcgcaa 1140
acaaggaaag atgacagggc gcagttcttc cttctgctag aagatttgac tgccgggatg 1200
aacaagcctt gcgtcttgga cctcaaaatg ggactcgtc aatacgggtg ggaagcggac 1260
gacaaaaagc ggaagtcgca gagacgcaag tgtcagaaca cgacctctca gcaacttggt 1320
gttcggctat gtggcatgca gacctggaat gtgaagaagc aggaatacat atttgaggac 1380
aagtactttg gtagggactt gaagtcgggt cgtgagttcc aggatgcctt aacacgattt 1440
ctctacgacg gcgttagtta ctttaagcgtt gctaagaaga tccctattat cctcgacaaa 1500
ctggcgaagc tggagaacat gatccggaaa ctttaagcgtt accgccttta tgccagtagc 1560
ttgttgatcc ttacgacgg cgaacagaat cccaacaca aagcctctca acatgaagcg 1620
gcttcaaacg acaatgcgag aaatcatctg caacgcgc 1658

<210> 20053
<211> 1660
<212> DNA
<213> *Aspergillus nidulans*

<400> 20053

gaacaagcga gacgagcgag ccaggctcgt agctgtgccc aagctcgtac ccaaagtcgc 60
cctccaagtc gtggtagaag tcgtcctcgg tcacgtccgc gcgaggcttc gttgggaagg 120
accaggatc aagctacggg caagaaaggc aagaaatgga agaaaacgca agaccatgaa 180

caacacaaaa agcaggaaga ggcgcggtcc cgaaggagtt cgaggaagcc taatccctca 240
 cgggccgggt ctctacggac tacgcaaggg gaatggggag catcaggtgc tatgcctacg 300
 agtggaggac aatttggaaca atctgagaat cagcagggac aggatccttg gcctgcttct 360
 gcggatagcc ggggagatgg ccagtggggg gatcagactc agaatgatac ttgggggtcag 420
 gcaggaaata agacgcaggg tgcgccgggc aatgggcagg atgggaatac tgttttgaac 480
 ggagatacat ggggtgatag caacaataat gagcagggca gtggaggagg ccgctggagt 540
 cctcacagaa accagaataa gaataatggg tcccagagaca attggaacag tggcagcaac 600
 aacaacaaca acaacaatga cgatagtagc ggcggacagc agcagaatgt tcggaagtgg 660
 aagagtcacg atgatacagc gaatgtccaa gactctgctc aaaaggatga tgagatacac 720
 tggtgataaa tcggcgagat attagtgcac ctggttaagat tggagcctca ggaataataa 780
 taatttgaaa ctgggaatga cgtttgtgga tctttccccg cgagtgcggg cggtgaggct 840
 ccaggagtgc caggaccagc ggcaggtgac gatgccgctc ccaatttcag gtcgagcttc 900
 aagcaaatct tccccgctt cttcattctg tcaactagct ggcaattttc atcgtgcctt 960
 gcacacacac ataatacaag actctttata ttgctcaagt tgatctcgga ttaccgcgt 1020
 atgcgaactt ccgaccagcg ctccggatcc tgatcgaggc tgcttgacca gcctccaccc 1080
 aactatgtgg aacgacgaag ataacaacc atacggcgca ttcgacagcg aggcgcggct 1140
 gtcagagtcc ctgcactcaa ctaccatcga atctcgtaag gatttggtt tgcgaaacaa 1200
 tgcaacctat taacgtcctt agctttcaat cagcattacc cccctccacc atccagccac 1260
 tcatccaacc ccgacatttc cgactttctca cagcaccag aagcaagcga tgacgatgaa 1320
 ggagactatg tcggccaggc aaacgcgct gggactccc acaagagtgt atacgatagc 1380
 cggatcgagc agctgcttta cgagaacccg gacatgccga ttctcatcac cgacgcggg 1440
 aagaaccacg agggcggcgg gagctttatt gtgtacacaa tacgcactgg ggtatgttct 1500
 atagccggtg gtcttacttt tggttaaagt aagcaggatc tagaggttcg gcgacgctac 1560
 tctgaattcg cttcgttgcg gcagacgctc gtgagcctcc atccaactct cattgttccg 1620
 cccattccgg agaaacactc gatggccgat tatgccgcga 1660

<210> 20054
 <211> 1661

<212> DNA
<213> Aspergillus nidulans
<400> 20054

tccgcgcgtc gatatacctca tccttaacgc ggggatccac agcttcgtct atgagaagac 60
ctcggacggc catgagaaag ccttgcaagt aaactatcta tccaatgttc tcctcctcgc 120
cgagctactg ccattccttg aatccacagc cgagcaaacc ggctcggccg tgcgcataac 180
ctggctcggc agccgcacat actatctcag caacagcctc gagaagtccg atatcctcac 240
atacggcggc gggatcctgc aatacatgga ttcagagaag gcgtctgcca gcgctgggat 300
gaaccagtac tctgatcgaa aacttctctg cgcgctgttt gtctatgagc ttgctgcccc 360
actgaacagg gacaaggtta ctctcaacct ggtttgcctt ggcatgggta agacggacct 420
aggcagtaat gggccattgt ggattcggac gctgattgaa attgtcaaga tactccgggc 480
taggccggtc gaagttggcg gatggcttgt gctcaatgcg gcggttggtg ccgggaagga 540
gagccatggg agcttgattg gggataagga agttaccgag taagttcttt ccatcgttcc 600
ctagacatag gcaggtagtg agatggcagg tgacttaacg ttataacaca ggctaccaa 660
gtttatcaag tcgagcgtg ggcaggagct gcagaagcgg ctctggaagg agacagttga 720
ggagatggcc acgctgacgg aactgctttc agcttttgtc taatatctac caagctatca 780
cctaaatatt gtcattctcat cccggtagtc tccttaattg catgtacttc ccgcccactc 840
caatcaaaca tctcatttag gaattccgta tccaattcaa agcaaccggt gccgtcctct 900
ctggctcgtg gtctaccatt ctcgctttgc actctcacac ctccaggctt attttgtgac 960
tgtcgttggt caaggccctc atactcaacc ttcagctggt tctgtccgtt catcatctgt 1020
atgccatgcc tttgccgctg caactcccag tgcgcaaaga catctctcaa acagttccta 1080
ctcaatccag aatatgcacc ggtagagcca ggccaatggc acaagtatga taccaacaga 1140
gaagcacacc gaatcggttc cacacagcgc acgaagaacc agaggtgtgg cgcaaagtcg 1200
gaagacgata cgatagataa gtagattcgg aggtatcgga tgcagaggcg aattatacta 1260
gtactttctc agacacttct agcaaaaaaa ggaaaagaaa agaaaagaaa agggggagcg 1320
gaggggcaga attcacgtac cgattccaca actggctctg accttgatcg atgccgatat 1380
tcggatctga ggaaggtgtt ggccgtaacg gggatcgtaa gaaaggactg tggatctgga 1440
ttgccatgtg cagggtgaatc aacgtcgcca acctctgagc ccaggaatct acctcgctgt 1500

tcgtggtagt cccctgcggcg gactccatcg cgtctctcgt tacccttgca tctgaaacaa 1560
accctcgata tatctcctct gaaatcaacc ctgtacttgc gcttgcggtta tgaacagtgt 1620
cgataagccg atgttgaata cgagcaattt cactgcgagc c 1661

<210> 20055
<211> 1661
<212> DNA
<213> Aspergillus nidulans

<400> 20055

cgatcgccag ttgcggcttt gggctgccag cggacagcaa gcttttagagg agtcgcggggt 60
gctcttggtc aattcggacg gaccgtgggg caacagaagc acgggggtgt cggcgtagt 120
gggtgtcgaa acgctcaaga atcttgtcct ccagggcgtt ggaggcttca cgatcggtga 180
ccctgctgtg gtaactgagc cagacctcgg ggtaaacttc ttccttgaga atgaaagcct 240
gggcaggtca agagctgaag agacgtgtcg actactgaaa gagctgaatc ctgatgtaga 300
aggagacttt cgaaccaagg tatatctgcc atgtagggac atgtccgcaa gccaaactcc 360
tcatgctaac ccgtttacta tcagcctatt gcggagatac ttcaagaaga gcccgggatt 420
ctggcacaac ataaactcat tctaatatct ggcctatag agcattcatc actgcggggc 480
ctctgcgatg gtgcaaaaaa gctagcaatc ccggtcctct acacgcgggtc tgttggtatc 540
tactccacgt tctctctcca gcttctgct gtgtttccta tagtagaaac gcatccagac 600
ccggagtcaa cccaggacct tcgtcttctc aatccctggc cgggaattgac tgcggctggt 660
gctagtatca ggaacttga cagttttgat gatcatcaac atggccacgt tccatacgt 720
ttattacttc ttcattatth ggaaaaatgg aaggaaactc ataacggcag cgtaccctca 780
aactataagg agaagacggc atttagggac ttcgtgcggt cttgcgcaag gacaaataat 840
tcacaaggcg gggaagaaaa ttatgatgaa gccgttgag ctgtgctaaa atcgcttaac 900
ccattcagtt tgcggagtth taccggggag atttttgaga tggaagaatg cagacaatta 960
agcgccgctt cggccgattt ctgggtcatt gcatcagctg ttcgcgaatt ctacgaaaca 1020
caccaacttc tccctcttcc tgggtcactt cctgacatga aagcccagtc agccgactat 1080
gtctcattgc aaaatatcta taaaacgaaa gcaagggaag atatcgcaga agtcacggat 1140
attatcagaa ggtagagtc tcagttgggc cgagccgcca gagttgatga taaggatatc 1200

gaaatatttt gcaaaaacgc ctcccacatc caggtgattc gtgggcgtga tattccacaa 1260
 gtggatggtg gtgaagacac caaaaagcgt ctacgactcg agcttaataa cgacgaatct 1320
 ctaattcccg ttacctggc ttttgaagtc ctggatactg tcgtaaccgg gattcaggag 1380
 ggaaagtatc accaagacgc cctggacgat gatgggatct ggtcttccga aattggtcgc 1440
 attctcgctg ttattgcagc ggacgctgcc gttgacgagg ccgaaatcg tgtccttgac 1500
 gccgcacagg agctgaggag gacaaagggg ggcgagctgc acaacatatc ctcccttact 1560
 ggcggtttag tggcacagga agctctcaag gtgctcacta ggcaatatgt acctttggat 1620
 aatacgtgca tcttcgacgg cgttcgcagc agcagcgcca t 1661

<210> 20056
 <211> 1661
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20056

tgccccgagt tcgcgttagt tcaagccaaa attgccatga gaaggaaggc cggtccttac 60
 tggctgtaca ggctataaaa aaaaaggaga ttacatcaat atgcgaggca gcacgtcgct 120
 tcaatgtgcc tgaatctaca ctacgtacgc gactacgcgg gactacaaat cgcgccgaat 180
 ctgcgcgcaa tggccataaa ttgactgaga ttaaagagga agtgcttaag cagtggattc 240
 tttctttaga tctacgcgga gcagctccta caaaagctta tgtacaagaa atggctaata 300
 ttctgcttgc aaagcatggg tccaccccaa tccagactgt cggccagaaa tgggtatata 360
 attatactca acgccaccgc gagcttgagt cttgcttgct aaggcaatac gactgccagc 420
 gagcaaagca agagaacca aaggttattc aagcatgggt taaaaccgta cgagccacaa 480
 tcgaacaata cgggatccta ctggatgata tctacaactt tgatgagact ggctttgcaa 540
 tgggcctttg tgcacatcag aaagtgatta ccaagtcaga atcatgtggc cgaagaccag 600
 ttctacagcc aggaaccgt gaatagggtta ctgcaattga gtcaatcagt gcttctggat 660
 aggcatttct accaatactt atctttaagg gtaagcagta taaccaagca tggtttactg 720
 gccttccacc tgactggcga ttgaaatta gtacaaatag atggacaact aataaaatta 780
 gcctttgctg gctttagaag caatttatcc cgtcaacaga gcattatacg cgcggaagat 840
 atcaacttct agttcttgat ggccatggaa gccatcttac accagagttt gatcaaactc 900

gtacagatca taatattata ctactttgca tgccggcata ttcttcccat cttctacaac 960
tacttgatat tggatgtttt gcagttttga agcgctcgta cgccagcttg gttgatcaga 1020
aaatacggct tggcatcagc catattgaca aacttgattt ccttgcagcc tatctacaag 1080
ctcgaatcag tacatttaag ctagatataa tcagaaacag ttttcgagca gcaggactag 1140
tgccattgaa tcttgaacta gtactttcaa agcttagtat tcaggcttgt atgcctacac 1200
cccctggaag ccgtggcagc caggcaagca ctttttgccc acatacacca gcaaagtgtg 1260
atgagcttct aaagcaagct tctttactca gagattttct caaacagcgc ttaaaaagtc 1320
cactatcacc atcccataat gccctaaacc agctaattaa aggctgtcaa attgcaatgc 1380
aaaagggcat actattggag caagagaata gggcactacg tgctgaaaat gctatacaaa 1440
ggggaaagcg agctcgtagc catagatgga tagctcatga taatggctctt tctgtacaag 1500
aggctacaga gctcgaggaa gctcataatg cgtcttttca ggcaatacct ggtccatgcg 1560
ggccaccagc agaaggtgca caaacaccaa aggcacgggc attacctaca tgtagtacct 1620
gccatagaat tgggcataga agaaatgctt gtccaaataa a 1661

<210> 20057
<211> 1661
<212> DNA
<213> Aspergillus nidulans

<400> 20057

tgccccgagt tcgcgttagt tcaagccaaa attgccatga gaaggaaggt cggctcctac 60
tggtgtgaca ggctattaaa aaaaaggaga ttacatcaat acgcgaggca gcacgtcgct 120
tcaatgtgcc tgaatctaca ctacgtacgc gactacgcgg gactacaaat cgcgcggaat 180
ctcgcgcaaa tggccataaa ttgactgaga ttgaagagga agtgcttaag cagtggattc 240
tctctttaga tctacgcgga gcagctccta caaaagctca tgtacgagaa atggctaata 300
ttctgcttgc aaagcgtggg tccaccccaa tccagactgt cggccagaaa tgggtatata 360
attatactca acgccacccg gagcttgagt ctcgcttgtc aaggcaatac gactgccagc 420
gagcaaagca agagaacca aaggttattc aagcatggtt taacaccgta cgagccacaa 480
tcgaacaata cgggatccta ccggacgata tctacaactt tgatgagact ggctttgcaa 540
tgggcctttg tgcacatcag aaagtgatta ccaagtcaga atcatgtggc cgaagaccag 600

ttctacagcc aggaaaccgt gaatgggtta ctgcaattga gtcaatcagt gcttctggat 660
 gggcacttcc accaactt atctttaagg gcaagcagta taaccaagca tggtttacag 720
 gccttccgcc cgactggcga tttgaaatta gtacaaatgg atggacaact aatgaaatta 780
 gccttcgctg gcttcagaag caatttatcc cgtcaacaga gcatcgtagc cgcggaagat 840
 atcaacttct agttcttgat ggccatggaa gccatcttac accagagttt gatcaaactt 900
 gtacagatca taatattata ccactctgca tgccggcaca ttctcccat cttctacaac 960
 cacttgatat tggatgtttt gcagttttga agcgctcgta cgccagcttg gttgatcaga 1020
 aaatgcggct tggcatcagc catattgaca aacttgattt ccttgagcc tatccacaag 1080
 ctgcaatcag cacatttaag ctggatacaa tcagaaacag ttttcgagca gcaggactag 1140
 tgccattgaa tctgaacca gtgctttcaa agcttagtat tcaggctcgt acgcctacac 1200
 cccctggaag ccgtaggcagc caggcaagca ctttttgccc acatacacca gcaaagtgtg 1260
 atgagcttct aaagcaagct tctttactca gagattttct caaacagcgc tcaaaaagtc 1320
 caccatcacc gtcccataat gccctaaacc agctaattaa aggctgtcaa attgcaatgc 1380
 aaaagggcat actattggag caagagaata gggcgctacg tgctgaaaat gctatacaaa 1440
 ggcaaaagcg agctcgtagc catagataga tagctcatga taatggctctg tctgtacaag 1500
 aggctacaga gtcgaggaa gtcataatg cgtcttttca ggcaatacct ggtccatgcg 1560
 ggccaccagc agaaggtgca caaacaccaa aggcacgggc attacctaca tgtagtacct 1620
 gccatagaat tgggcataga agaaatgctt gtccaaataa a 1661

<210> 20058
 <211> 1661
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20058

tggtttcttg gtttgggcat tggatatgtc gagaagatac agaaacgac agatactgat 60
 cccggcagcc tactaatctc atgttgcaac ggtttccaat tggtagctgg gtttgatatg 120
 tttgtacct tgttccacag acctaatct gccaggaag gtatctcggc atcaatatct 180
 tcatgtggta agagcccat tcacctatca gtcgggacac ccagctaaga atcaggggcg 240
 tttttctcat catccaagcg gcatgccata acttcaccac tctcgccgct ctcgagccc 300

taggtggtgc tgccgaagcc tgcgcagacc ctgcattcat gctaatacag agcatgtggt 360
 acacacggcg cgaacagcca gtgcgtatgg ggctttgta tacagccaac gcgtttggca 420
 ttgctctcgg cggcctgttg gggtacggga ttggtaatat taagggtgcg cttccgtcat 480
 ggaagtacga gttcatcgtg atgtacgtct tcttctgaa gtaggcatac cttgtgctga 540
 taagggtagt ggcgctcttt gctcagcctg gggcattgtc atgttcattt tccttcccga 600
 ctccccggtc aatgcgccag gcttgacaca acgagaacgt cggattgccg ttgaacgact 660
 acgggaaaac caaacggta tcgagaacaa gcacctaaag ccacagcagg tccttgaggc 720
 attcaccgac tacaagatgt acttcttctt cgtgctgggc tgtgtctgta cgtcgctatg 780
 gtcccaccga ttaatcgcgt acagattgat agagattgac atccgcattc aggcaacatc 840
 cccaacggcg gtatctccaa cttcgggaca atcattatca aaggcttcgg attctcgact 900
 ctcgttacga ctctgatgca ggtacgtttg tctgacatac tcattcacia ccccatcaaa 960
 ccatccaaac ggactgacat gtgaagattc cctacggcgt cctaatacga ctctcaatcc 1020
 tagcgtgctg ctacctgaac gaccgctttg aaaatcgccg atgcgtattc attttgctat 1080
 tcctgatccc caatctagcg ggagcattcg ggctgcgctt cggtcccgag agcgaacaaa 1140
 tcggccggct gatctgctat tatctcacag ggccgtataa tgcggctttt gtgttgattc 1200
 ttagtatgca gaccgctaac actgccggta tgtctggctg acgccctcat ctgagctctg 1260
 ctgggtgtaa tttgagatat gaaggatgct aatcgctact ggatgatgtg ggttaacagg 1320
 acatacaaag aaagttgtca caaacgcagt ctttttctg ggttactgca ctgggaatat 1380
 tgcggggccg ttcttttaca aagagagtca aaagtagatg ccctttgctt accttcttcc 1440
 cttcactcct ctatcaacaa gatctgatga tctcatttga taactagacc gacctactca 1500
 ctcggcatac ggtccatgat cgtttcgcat ctcatcgaag ctgtcctaata cagtacactg 1560
 ggcttgctcc tccgctggga gaacaagaag cgcgatcgga ttcagagcca gatggagggtc 1620
 ggcttgaggg gacgggacct tggagccaca gcgttcttgg a 1661

<210> 20059
 <211> 1662
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20059

tcacctctc cctttagtta gagcatccca tcattccaac ttaatcctct ctctcgtatt 60
 ccattatctc ccacttcctt tccctcagac ttctctttct tgcctccctt cctttctacc 120
 cagccccacc cccctccccc ctcttctatt ctctccagt ggcctccgga acggcgcgtc 180
 ttctgcttga ttcagaagtt ccgtgtcttc ctaggatctg gtcaccattt cctttcgttt 240
 ctctctcttc tctgcctcgt tatctctcta gacttgcccg ttgtcatctt cagctctgaa 300
 cttttctttt tctttctctc ttgtttcttt acacatggct cgaccgctct agacagcatc 360
 tgccgctcct gacccttggt ttccttacat cgtacctcat cgctggctcc tccctcttcg 420
 gtccctcgtc gatccaagcg ttccaatact ttcttctttt cattcgacaa cattecgctt 480
 cctgcatttg tctgagcgac tttcttaatc gtttgtacca gtataattga gctgcggaca 540
 tttattagac caggtacgac tattcccgct gcccgttg c ttggtaccga tccatctgtc 600
 ctccaaattg tgattcagct ggataaactt cgtcgatgag gccctcgccc aatcttcgaa 660
 ctcggttgcg tggttgtaca atgctaactg acgaatacgt ggtacagatt ctccccctg 720
 ttcccccta cctttccct cgtcagtg cctcccgaac actatacact gcttggacga 780
 tagcaccgaa gggttcaatt cgctcattt cctgggtag gatctcttcg gaagacgtg 840
 ctaagaacgc gtctgacttc gacagctctg caattegtgg aggagaacaa catggcagct 900
 ttggtacaga cgattcctca gcaaagcagc gcggttcgg tgcctccaaac acgccccct 960
 tctcgtcgg gtgctttcac aacttctcag tctttacaac aaacggactc tcgaaatccc 1020
 gccatgtcct ggaataccta caacacgacg ggcaattcgg ggggctatcg gcccggtcat 1080
 cagggttggt cccctacgc ctttaccagc actcccaacc tctctaattc acccaacttg 1140
 cagaaccgtc agtcatggc tctagtttg aggccgagc atcggacgtc ctctgtctcc 1200
 tctgtctccc aactccccgc gaatgcctcc ctgctcgga acaattccc tccggttcat 1260
 cacactgcag ctggttctgt atctacttca tcttctaact cctccgtcca atcacacatg 1320
 tccaaagacg atacggcgat tcttctcgc cagcttcgcg gtgatcctt tattcgtccc 1380
 ttatctaccg ccaatttgcc ttctccaaca ctttcttca tgaacatatc ctgcctaca 1440
 gtatctcgtc cttcacccga ccgatacgt cgtgggaacc gtcgttcgga tgctctgca 1500
 ggtgcacgt catctccacc aattctggat gaaaatcccc agaacacgac atccgctgg 1560
 ttatcaggag taagaagtct gataccggag ggtaaaggc ataccgggc taccagcgca 1620

gatgataata ctcgatcgga taagccgcaa ccagagttgg ca

1662

<210> 20060
<211> 1662
<212> DNA
<213> Aspergillus nidulans

<400> 20060

gaaaatctac cgatcacctt tccccaacct tgagatcgag tcggtcgacc tggctctcaa 60
ggtcttctcg aaccggttcg atactccctt ttcccgctcc atgtatatcg atgccctcag 120
cggagaacag tacacgtacg gggatgtcat ccaacgcacg cggtcctcgg cgaacgggct 180
gcaacagcta ttcggtctca gggaacacga tgctgctcgt ctgttcagcc ctaatacgat 240
cgactatccc attgcctgcc acgtatcat cgggtccctg gccgttgtgg cccctactag 300
cgcggcactt acggctcagg aactacacgc tcagctgaag accagtcggg caccgattcat 360
catcgccac tcgtcgcttc tttctactgc aagagcagca gcaaagggca cctcgattga 420
gaaagtcacg gtcctcgacg gccaatcatc tgcaccggc cacctcacct gccagcaatt 480
agcgagcacc tatgccccca ccgcactccg ccaaattcct gtcacgaag ccgggtcgcg 540
aatcgcatc atctgcttct cctcgggcac atccgggcca gcgaaaggcg tgatcaccac 600
ccaccgaaat attacatcga accttcaaca atggcgcgcc caactcctcg actcaggctc 660
cgcagctcag cgggtcgacc gcaccgcgc gattgccttc ctccccttca gtcacattta 720
tgggctgaat ttatacatgt gccagtgtct aacgtggggc acgcctgtgg tgatcctccc 780
gcgtttcgat cttgacacgt acctctcgtg cgttgagaaa tacaagccgc aggagctggc 840
gctcgtgcct ccaatcgac tcattgctgg caaggatgat cgaatccgca attacaatct 900
gcgcagcgta cggcggattc tctcgcgcgc cgcaccgctg acaatcgagc tctcgtcggc 960
gcttgagacc cgatttaagg atatctttgg aacggaggtc ttctgcacgc agtcgtgggg 1020
acttaccgag acctcgccaa tcgcaactgg aatcccgaat gatcgaatgg acaagagagg 1080
tgccggcgta ggttgatttg tgccaaatat ggagtttcgt ttcgttgatc cggagacgat 1140
gctcgacgcg gacgtgggca aggatggagc cagccaaccc ggcgagatct ggtgtcgtgg 1200
accgaatgtt acaccgggat actataataa cttggaggca acgaggggtg cgttccacgt 1260
ggatgacgat ggagtttcgt ggtttcgtac gggcgatatt ggcgttattg acgctgaggg 1320

atatattacc atacaggatc ggatcaagga gatgatcaag tacaagggct tacagggtcat 1380
 cccgagcgag ctggagggta agcttggtga tcatccggat gtggtagacg tgcgtgttat 1440
 tggagtctgg gtggacgcaa gggcgacaga gttgccgact gcgtttgtta cgctgctgca 1500
 gggatttgac gatgagggga gtaggaaagg tcattgaaga tattcatctc tggttcaacg 1560
 ctagggttgc gaaccataag cggttgagag gaggcataata tgtggtagag aatatcccaa 1620
 agagtccgag cgggaaaatt ctgaggcggg tggtgaagca gc 1662

<210> 20061
 <211> 1664
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20061

ccactcttcc ccactctac catatttacc gaagcctcaa ctctacctcc aacaacaaca 60
 ccaactatgc ccataacaat accaccggca gaggccccgg ctatagcccc ggtcccatct 120
 ccgacccctag ttctggtcaa agagaatatc gctcaatggc atacttcgta aactgggtac 180
 gtccccggct atcattttctc cttccccagt accgccttct aacgctattc caccataaat 240
 aggcaatcta cgcccgtcac cacaatccac aagacctccc agtctccac ctaacacaca 300
 tcctgtacgc cttcgccaac gtgcgccccg aaactgggga agtctatctc agcgacacgt 360
 actcagacat agagaagcac taccctaccg attcatggaa tgaccaggga aacgacaacg 420
 tctacggctg cgtgaagcag ctctttttgc ttaagcagca gaatcggcac ctcaagggtcc 480
 tcctcagtgt tggcggttgg acatactcga agaatttcgc gcggatggca gctacagaag 540
 aggggaggag attgtttgag aaatctgcgg tagagctgat gggggatctg ggtatggatg 600
 gggttgatgt tgattgggag gtgagctttg cttgcctaag acatgaagtt gggcagaatg 660
 agggctgata tgaccggatg cctgcagtat ccagaaaatg acgatcaggc tagtgacttt 720
 gttgagttgc tgcgcgagac aagagaagta tgcctaccaa taatctcttc tacgtatcag 780
 tcctaagtag gcaatgctca caagctgaac ccaggaactc gaccgatatg ctgccgacaa 840
 cgacagcgac aagcccttcc tcctgagtgt tgcgtcgcca gcagggtcgt cattcttccc 900
 tcctattttct cagtaaccct aagttccata ccctaattctc cccttacaaa acgaccaact 960
 gacagagcca ggcccaagca aatacaccac cctgcacctc tcctccatgg accgttatct 1020

tgacttctgg aatctaattgg cctatgacta cagcggtagc tgggatacaa tcacaggaca 1080
 caatgcgaat ctcttcgcgt caagacaaaa cccgcctcg acacccttca acaccacac 1140
 cggggtaacc gcttacctag ccgctggaat ccctgcgtca aaaatcaatt tgggtatgcc 1200
 tctctacggc cggctctttca cacacaccga cgggccgggg acggagttcg aggggtgtggg 1260
 gtatgagggg agctttgagg cgggcgtgtg ggattataag gcgttgccaa aaccggggc 1320
 ggaggttggt gaggttgagg agattgccgc gagtttcagc tacgacgaag acaagaagga 1380
 agttattagt tatgataatg tgggtgttgt acggcacaag ggggtgtatc ttatgcgttt 1440
 gggatggga ggtgggatgt ggtgggagtc cagtggggat cgggaggtgg ggagtggggg 1500
 gagtttgatt gagacggtaa gtttgccctt ctatcgtctt ctctacttgg ccttgggtaca 1560
 catggtttgg aagacaaagg gtggatgcta atatgacggt tgggtgcagt tggtcgacac 1620
 tctcgggtggg gtgaatgccc tcgacaagtc cgagaaccag ctgg 1664

<210> 20062
 <211> 1665
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20062

ggctttgaaa tcccaggat gcttcccaga attcctacac ttctagcatt acacaaacga 60
 actgacaatc ttcaagggca cattgtcaac cggtaaccgc actgaccaac aacatgaaga 120
 agtttcaccc cctgctccgg caacaaatgg tattgataag ggacacatcg atacgctaga 180
 cccagaagat cctctctggc aaatatacaa ggacatcgct actaaattcg atgatactga 240
 agacaatact ccggaagctg aaccttcaaa accggagggt tatttctgatg atgatgccga 300
 cattccggag gaggaagaga ataaagttcc caccctatcc aagcgaaaac gcaaagaatt 360
 gaacaagctc tccgtcgctg agctaaaagc aatgggtcaag aagcctgagt tagtggagtg 420
 gacggatacc tcagcccctg atccgcggct actggttcat ataaaagcgc accgaaacgt 480
 tgtcccagtg ccgtctcatt ggtctctcaa acgtgaatat ctatcatcca aaagggggat 540
 agagaaggca ccattctcgt tgccaaaatt catccaggag acgggaatag ccgaaatgcg 600
 tgatgctgca ctagaaaagc aagaacaagc gactctcaag cagaaacaaa gggagagggg 660
 gcagccaaaa atggggcgac tagatattga ctatcagaag ttatacgaag cttttttccg 720

ctcccaaacc aagccagaat tgactcgata cggatgaagt tactatgaag gaaaggagtt 780
 tgagactaac cagcgacatc tgcgccccgg ggagcttagt tcagagctga aggaggctct 840
 taatatgccg cctgggtgcac cccaccttg gttgataaat caacagcgat atgggccgcc 900
 cccctcttac ccagctttga agataccagg ccttaatgcc cccccgccgc cgggtgctat 960
 gtgggggttat caccgccggc gctatggaaa gccgccagt gacgaacata atagaccct 1020
 ttatggaggc gacatttttg gtgttttgca gcctcagcaa accatgcagc agggcgaaacc 1080
 agttgaaaaa gatctctggg gagagttaca ggaaccagaa ttatccgatg aggatagcga 1140
 ggatgaagaa gaagagctcg acgaagagga cgtagacgca ggactgcaaa cccccagtgg 1200
 aatggaaagt ccaagtgggt tagtgtcagc agttccgtca gagctggctg gtgttgaaaa 1260
 tgtctccgga gagtttgatg tgcgaaagca ctatcaagga acgcaaacag aggagtctgc 1320
 tgatcgccgg agtgcttata atatcatccc cgaaaggcaa acggaggtag aaggcttttt 1380
 tggcgggtgac agggcgtagt atttgcccc ggctacagat agcttacctg tactgggaac 1440
 cgaagatcaa actcgaaagc gcaagaaacc cggagatgtc gatgtttctg ttaatccgga 1500
 tgatatgcaa agtgaggatg gaatcagtaa ggacaatctg caaaggcttt acgaatctca 1560
 gaggcagcag gagagcaacc ccaattggga gttccaggaa gatctcagcg acatgattgc 1620
 ccacgagagt aggaaaaggc tcaaacagga gaagcgaaac aaaca 1665

<210> 20063
 <211> 1667
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20063

tgggtagcgc aaccatcaat caaccggctg gtaatacggc ctatacgcag togaccgttg 60
 cgattattgg ggcggggatt tcgggtttgt cgctgtttg gcatccttga tctgacggg 120
 gctgtgttgc tgatatctga cgccaggaat gtgcatggcc attgaccttc tccgtcgcaa 180
 ccaccgcaac tttgtcatcc tagagaaggg cagctcggtc gggggtacct ggaacgataa 240
 taaatatact ggctgtgctt gcgatggtag gccgtagctt gtcctatata tgatgattgg 300
 taataattgg cttcgcagtc tggagtggcc tatacagcta ttcctttgag cagcgggtcta 360
 cttggacacg cgaatacccg ggccaggagg aaattctgca ctatctcacc ggcattgctg 420

ggaagtacgg tctctacccg cacatcagat tcaattcgac cgtcgaggag gcgcgatggg 480
acgacgaggc ccggaatgg aagatcaagg tgtctgtgtc cggcgcgaaa gatgccagtt 540
tccaggaggg atacgaactg tcggcaaatg tgctcatttc aggtgtcgga cagctgaatc 600
agccggcctg gccaaatata gacgggatga atgaattcaa ggggaagagt atgcattcgg 660
cgcgatggga ctggacgtac gatttcaagg ggaagaggat cgctgtgatc gggaaacggta 720
tgctcagtcg agtgggattt ttgggtcaa ttattttggt agacagaata gatgctgatt 780
gaacttgaca ggtgcgactg cgactcagat cgtaccagaa gtcgcaaaaa cagcgtcgca 840
tctgacggtc taccagcgga ctccgcaatg gatcatcccc cgagacgaca agcctgtgca 900
cccggcgag aaagcattgc tctctttccc gttcttccga aactgcaagc gctcgttcat 960
gatgctctac cgcgagatga gccacgactt catcgtcaag tcggacgcca aaaactcgca 1020
agaagtccgg gagctctgca tcgggcatat caagaagggc ctccctcaa agccggaatt 1080
gtgggatgtt ctacaccca gctatccacc cggttgccgc cggatcttgg cctctgatga 1140
ctactacca gcgctgggcc gggagaacgt caagctggac acgcgcaaca tccagcgcat 1200
caccgagacg gggatccaga tccccgatgg cgagacaact gactttgacc tcatcgata 1260
cgcaaccggt ttccgcacgg ttgagttcct gcacccgatc aaagtgtacg gcgcaggcgg 1320
acgcgacctg gccgagatct gggacggcgg cgcgacggcc tactacggcg tgacggtcga 1380
ggagatgccg aacttcgggc tgctgtacgg acccaacacg aacctgggcc acaactcgat 1440
cattctgatg atcgaagcgc aaagccgcta cctcgccgca ctgatcgacc cggtcacccg 1500
tgccaaagag gccggcgtat cactggcgat ccagcccaag acagagatcg tccgggcctt 1560
caacgcggac atccagaaac gcctggggaa gagcaacttc gccgaccggg cgtgcaacag 1620
ctggtacaaa acgccgacgg ccggatcacg aacaactggc ccggcac 1667

<210> 20064
<211> 1668
<212> DNA
<213> *Aspergillus nidulans*

<400> 20064

agctgctggg cagacgagcc ggtataagat gcgtaccag taaaagctat aatcaaacc 60
tgtctcgtcc atcccttgcg cagcatctca gctcttttca caccgggctg aagcctctcc 120

gagtctgaac ggtcagcatc aagcagtgga ggtggtctct ccacagcagg atcggtatcc 180
agtgacacctt tgggcactgc tgaaatatcg tcgagagcca ttgttggtga tgtgagggat 240
ctcgaactga actttggaag gctgccagac aattcaaata tgcaagacct ccaatggtct 300
agtctaacaa gggcttaaga ggccgtccgt tcggaacgtc ttcttcgca cctcgtcgg 360
ctgccctcga ttgggagcag ccttcgtatt gacctagatt gtcagaccac gcgaaaagac 420
ccacgagcag ccacaagaag cgaactgtac ccaatagcgt cccatcataa gcgaacttaa 480
tcttatctag gccagttta caagaaatca gaagatcaga taacaaatgc caagtcaaag 540
ccaaggcgtc cgcttcaagc cacgcaagcc tgggaggatt gaaatcggag ttatcccggc 600
ttaaagagtc ggattccttg cctggtctca ttagacaatc cttgtgatta cagagttgaa 660
gtgtgatgac tctactgggca tttagtccca ttcagccggg ggcagcccg aatatggccg 720
cgtggcagat tgcaggaaag aaagacggac cttaccagat cgatgtttca tggccgctga 780
cctggtctga gtctggagat gcctccgta aaagcgcaa cgcagtgtaa gtggagctcc 840
tggcaatgca caatcttgct ctggcggtcg aaatttaatc atattttttt ttccacgcca 900
gctaccttgt agacggaaac gcgctcttcc tcaccgcaac cgagaccctt cgacgacggg 960
agtcgcatcg accaagtgag acaggaaccg tcgtcatcgc cattggttat cctattacag 1020
actctgtctt cagccctcgg cgtagctatg acctaacgcc tccttgatgat cattacatcc 1080
cgcccagagg gccgatggg agcccgaac cggaagccca tggaggcgcc gatgagttct 1140
tgacctttat cgagagata gtcaggccat ttgtggagtt gaaagtattt cctgcgcgtc 1200
tctttcggcc gtactgcgt attcggccac tcttatggcg ggctattcgc gcttcatgcc 1260
ctcttcacaa aaccatcaag tttcgacgtt tacctcgtc ccagtcggtc aatctggtgg 1320
aataaccggt ctatcctgac cgaagcaaga cggttcataa gtggtgcagc acttttttca 1380
agcgcccatc ctgttctccg gttgtcattc ggctcgagg agcagtatcc tgtccgcaa 1440
cgggttgaat cggtatgaaat gtttaagcga aggcagcgcg ctgctgagca gcgtcggatg 1500
aacgacaact gcgaggagct ttactcggag cttctggcca gtggaagact ctgtaagctg 1560
gaggttaaag agtaccttga tgaagatcat gggagtgtta tcggtcctgc cctgagcggg 1620
ggattatgt ttcttagcaa cctcagtgcc tgatcaacta ccgatagg 1668

<210> 20065
 <211> 1669
 <212> DNA
 <213> Aspergillus nidulans

<400> 20065

tgcccagctc ggtgctgtct tctccgtctc cgcccccggt gtggtcgccg agaacatgat 60
 cggatgtgcc atgtacgagt tggtagtga cactagttta tgcagtgcct ttctgggcta 120
 tcgctcaagc tgetgccatc ggtgaagctc ttctacgcgg gctttgttgc ttaccatcga 180
 tgattagtgc cgagtcggtc atgatcagct agtcggagag gttattcgta ttgatgcgga 240
 taaggctact atccaagtct acgaagaaac aggtactgcc tccgcctatt atgatatgtc 300
 atcaatctga caatactgtt cttagccggc ctaacggctc gtgatcccgat catgcgaact 360
 ggcaagccct tatccgtcga gctcggcccc ggtttgatgg aaacgatcta tgacgggtatt 420
 cagcgacccc tcaaagccat ttccgacgaa tcgggtagta tttatattcc ccgcggtatt 480
 aaagtcaatg cgctggatcg caagaagaaa tgggacttca agcccggcaa gtacaaggtc 540
 ggcgaccaca ttacaggcgg tgatatttgg ggtaccgttt tcgagaacag cttgttgaac 600
 gaccacaaaa tctccttcc tccccgcgca aaaggtacga tcacccggtat agcggaagcc 660
 ggtagctaca ctgttgaaga acaactgctg gagattgaat tcaacgggtgt caagaccaca 720
 catgggatga tgcacacctg gcctgtccgt gtccccaggc cgggtcaacga gaagcagtcc 780
 gccgactcgc cgttcattgt tggccagcgt gtgctagact ctctattccc tagtgttttg 840
 ggcgggtaccg tctgcattcc cgggtgccttt ggttgcgga agactgtcat ctctcaaagt 900
 gtgtccaaat tctcgaaacag tgatgtcatt gtctatgtcg gatgtggtga gcgtggtaat 960
 gagatggctg aagtgttgat ggatttccca gaggtatgct cattaaacgt tgccgaatat 1020
 cgccaatact aacgtgcttg tagctcagca tcgacattgg tggccgcaag gagcctatca 1080
 tgaaacgtac atgcctgac gccaacacct ctaacatgcc tgttgctgcc cgtgaagcgt 1140
 ccatttacac cggcatcacc attgcggagt actttcgtga ccagggcaag aacgtggcca 1200
 tgatggcaga ctctagtctc cgatgggccc aggctctgcg tgagctttct ggtcgtctag 1260
 gagagatgcc ggctgaccaa ggtttccctg cctaccttgg cgccaagctc gcctctttct 1320
 acgaacgcgc tggtaagagt actgctctgg gaagccccga gcgagagggga agtggttagca 1380
 tcgtcgccgc cgtcagtcgg cccgggtggg atttctcaga ccctgtcact accagtacga 1440

tgagtatcgt ccaggtcttc tggggtctgg acaagaaatt ggcccagcgc aagcacttcc 1500
 cttcaatcaa cacaggtatc tcttacagca aatacacccc ggtgctcgac cggtactacg 1560
 agaagcacca ccccgagttc cctcgtctgc gtgagcaagt ccgagagctg ctctccaaat 1620
 ctgaagatct tgatcaggtc gtacagctag tcggaaaggc tgcgcttgg 1669

<210> 20066
 <211> 1672
 <212> DNA
 <213> Aspergillus nidulans

<400> 20066

gggttcagcg gcgtatatgg acttcataga tttcgtcagc tgggcctcaa tgtgaaggta 60
 ttcgaggctg gggctgacct gggagggtga tggactgga accgctaccc tggactccgt 120
 gttgactcag aatggcctta ttatcagttg ggcacccccg aggtatggaa agacttctac 180
 ttcaccgaac gatttccgaa gggcgaggag atcagaagtt actttgacca cgccgataag 240
 gtgctcaatc tgaagaaaga catccaattc aatgcccgtg tcaattccgc aacctgggac 300
 gagaccggc tgcagtggac cgtgaccact gaggtctggc aactgccac tgcgcagtat 360
 ctgtgcctct tcaccggcgt ccttcaccga caatatatcc cgggatttcc tgaccttggga 420
 gaatacgagg gccaggtctt ccactcggca gcctggcccc aaggtgtcga tgtgaccggc 480
 aaacgggttg cggtgattgg agccggagcc acaggagttc aattgggtaca ggagttatcc 540
 aagagagcca gccatcttac gctattcctg cgccggcctc cgatctgctt cccaatgagg 600
 aaccggccaa taatgccagc ggaagaggag tgctggaaac cctactatga gcttctcttc 660
 gatgccagca ggaagtcgcc catcgggttc cccgtctctc ggcctacgaa gggatatatac 720
 gatgtgtcag agagcgagcg gaatgagtag tatgagaagc tatggaaaac cggcgggtttc 780
 catttcggag ctgggaacta ccctcaaatt cgcgtcgaca agaacgcac acgcatggct 840
 tatgccttct gggcaaagaa gaccgcgta cggattaaag acccgattaa acgcgaacttg 900
 atggtacctc tcgatccgcc tttctggata ctgacgcgac ggtcgccgct agagattgac 960
 tattacgagt cgctggatca ggatcatgtt gagatcgttt cgctggccca ggcgcccgatc 1020
 cagaagttta ctgaacgcgg tatacagact gcagacggga agcacaggga gtttgacaac 1080
 atcgtctgcg cgactggctt tgagagcttc acggggtcgt acgtaatatc cttccactac 1140

taaggaaact aaccagccac ccagggtcgc gacgatgaat atccaaagca aggatgggtgt 1200
 ttatatcaag gacatttggg cgaaggggat ccgaacctat ctggggatcc tggttcatgg 1260
 gtttccgaac tgctttcttaa gctacagccc ccaaggtcag ttactatacg gtgtatgata 1320
 tcaccaaagc tgagaggcga cactagcacc gacggtgac gcgaacggac ccacggtcct 1380
 ccagtgtcag atagacttca tcgtcgatgc gatcgctaaa atgagagcgg agaaccttga 1440
 acgcattgag gctacggctg aagcagaaga gggctggaga caaatgatcc ttgaagtagg 1500
 aagcaagacg ctggccgcgg aaacggactc gtggtggacg gcggccaatg tgcccgcca 1560
 gccacgacag ttcttgactt acgtcaaagg tattgggaac tatgagacgg aatgccgggc 1620
 cacgcttgac ggctggaagg ggtttgatgt gagggagcgg cctaactgtg gc 1672

<210> 20067
 <211> 1674
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20067

ggggactgca agcgcgaaaa gagctgaaag ccgtcgaagc aagattcgag ctttcgagag 60
 agctgtaggt tgtccctgga tcttgcacct tctcgtaagc taagttttat agtctcgagc 120
 aggcgaaaga ggatattgat gccgaaatca taaagcaaga gaccaagca gcgatagaaa 180
 cattgcaaga tctgcaatcc caatttgaag cagtgagtag cgcttggtg acatcgaccc 240
 cgggggttgc gaacggtcac tagatgaagc ttgtcgacat agagcagcag gctagccaaa 300
 ttctaactgg attaggattc aaagaggatg ccttgagcaa accattctcg acattgtcgg 360
 gtggctggcg tatgcggtgc atgctggcga gcgtcctgat tcagaaccct gacatcatga 420
 tcctggatga gccaaccaat tttctagacc tattaggagt gatctggctg gaagaatatc 480
 tgaagcagct cagagattca acacagacga ccgtcgtcgt tgtctccac gatagggact 540
 ttgtaaatgc tgtctgcgaa gaaattgtca tccttcgaga ccaaagctc acttatttta 600
 aagggaacct gtccgcatat gaacaggatt ttgaagaaca gaaactatac tggggccgca 660
 tgaaagaagc acaggagcgc cagatagccc atatggaagc aaccgtccgt gagggcatta 720
 aagttgggaa gaaaaccaac gacgaaaaca agctccgcat ggccaagtcg cgacagaaga 780
 agctcgacaa tagaatgggt gtccagggtta acgcacgcgg agggagggtc aagctgaacc 840

gagatctagc tggctggcac tcaagtgctc gggcggagat tgaagtgccg caggatgaaa 900
aggagctct gattgccttg cctgaccctc ccgagctgcg atttcccggc ccgcttatat 960
cactagaggg gatcaccttc aagtataaaa ctgatgcac cccagtgttg aaggagttg 1020
atcttgtgat gcacttggga gatcgctgg gtctcatggg ccttaacggg tgtggaaaat 1080
caactctgat ccgtctggtg gccggcatct ccgtgccgac tcagggaaaa gtctcctcgc 1140
actcgcggt aagaatgggg tactacgcc agcattctat tgaggagctg aaaaccaggg 1200
ggctgggaga ccctagcctg acggcgttag ggctgatgac aaaggacgtg gatggctcac 1260
tcaatgaagg ccagttgcga gggttgttat cgtctctagg tctccagggg aagatagtct 1320
ccgacgttcc gattcttcga ctctctggag gacagcttgt aagaaatccg ggaacagctt 1380
aagagctagt atcactgata tatgccacac aggttcgtct ggccttggcg agaatcatct 1440
ggaacgcacc gcactactc gtctcgcag agattaccac ccatctcgac taccatacag 1500
tcacggccct cgcaaccgta ttgtccactt tcaaagggtc aatactgctc gtttcccacg 1560
atcgattcat ggttcgagct gtgattgaag gaaaacgcga cctagaccac aaactagacg 1620
atgactttga aggcgtcgaa gaggagtcag atatggagct accacggcgg cgag 1674

<210> 20068
<211> 1674
<212> DNA
<213> *Aspergillus nidulans*
<400> 20068

tcacccttgg caacagcgac aagcttaact acgatcatct tgttgttgcc cccggtattg 60
cgctcaactt tggcagcgtc cagggttgt ctgagggcgt ggccgccccg gactcgaaag 120
tctccaccat ctactcttac gacacctgct ccaaggctct cccacgac gagaagctca 180
agaaggggtca ggccatcttc acccagcctg ccggcgtgat caagtgcgct ggtgcgccgc 240
agaagatcat gtggctcgt ctcgactact ggaagaaagc tggcctctac gacccagca 300
accctgccgg ttcggccatc aagatcgct tcgccactgg aacgccctcc atgtttggtg 360
ttcccaagta taacgcgaag ctggaagagc tgcgcaagga gcgcggcggt gaggggctct 420
tcagcacga tctggtcgcc atcgacggca agaaggccac tttcgcccgt cccaacgggg 480
aatcaagcgt caccggggag tttgatctgc tgcacgtcgt cccaaagatg ggtccccacg 540

cgttcgtcaa gaacagcgct ctcgccaacg aagccggcta cgtggatgtc gacgacggca 600
 ccacccgcca caagaagtgc gccaatgtct ggtctgcccg tgacgcgtcc agtctgccga 660
 cgtccaagac cgccgcggca atcaccgccc aggcgcccgt ccttgtccag aacctgctcc 720
 gttcaatgga cggcaaagaa atcgacgcca cgtacgacgg ctacacttct tgcccgctaa 780
 cgaccgaata cggcaaagtt cttcttgccc agttcaagta cggcgggggc ccgaagagac 840
 cttcggcaag tggttcggta tcgaccaggg aactcccagg aaggagttct acttcctcaa 900
 gaagcacttc ttcccatggg tctactacga atctatggtc agtgggaagt ggggtggacc 960
 caagggatgg ttgtaatgat agacgagagc atgtatatta ttgaatagta tagtaaaata 1020
 gagcagcaaz gatctattac cgcttggagt aggtgggcat cgtccttgat aatcgctatg 1080
 gggctcgggc cgcgctgccc aggtggacca acaaccagg cgacaacgct gatcgtcagg 1140
 agtacgggca ttggttaagga cccttgttgc cggtagtaga tgcatacgtg ccagccaat 1200
 cattgctatg tgtctttttc gcaccaaatt attcagagtc gtacgtggcc ttcgatcctc 1260
 caattcactc tccgacagtc caaatgggaa cgggccgcca agggcaccta agaaacatct 1320
 ttagccggat tgtttctagg caagccttag tctagcccc aatgctcgat tatgggggct 1380
 caacctatgt ctactgtcat ccagcagat atcagcctgt tcggctcgat ccagagcgc 1440
 tggtgacca ctccggcgtg ggacatggct ggcctcttct gccgcgggct gaacaccctc 1500
 cattctgttc cattccgaaa tagtgtccaa gccataccac gatgcttaat gcgatgctta 1560
 aggttgcaga tgatccttgc cgctttgtgc tagggcgccct ggttgggctt ttagaccgcg 1620
 tctggcttgg tcttgctcgt ggcgtctcgt ttccaccaat agccccgat cgcg 1674

<210> 20069
 <211> 1676
 <212> DNA
 <213> Aspergillus nidulans

<400> 20069

tgtgtgcct tcagcgggtg tctcgacacc agcgttatct gttagtcttt ccggttctgt 60
 caattgattc cccgcgtgct ccaagctgat cgagaacaca cagtgaaatg gctcatcgat 120
 gagggctacg aggttgtcgc tttcagtaag taacatcttc aattggaact tgattgtctg 180
 ctctgatact aacaaattat cagctgccga tgttggccag gaaggtaaag cgatcacttt 240

gaaatgccca ccgctacttg cgctctgaca ctcccgcctt ctagaggact tcgccgccat 300
caaggagaaa gctctgaagc tcggtgccgt caaggccgaa gttgtcgatc ttcgccgtac 360
gtgttttcgaa aaactgctaa atttcacaaa gaaatagaat taacgcagtg gtaaacaggc 420
gagtttgttg aggaactctg cttccccgcc attgcttgca acgccattta cgagaacgtc 480
tacctcctcg gtacctctct ggctcgcccc gtcattgctc gtgctcagat cgaagttgct 540
aaggttagcc ttctaactcg caatttattt ctctaagcat tgacttacca attgtaaaca 600
gcgggaagga tgctttgctg tctccacagg ttgtaccggc aagggtaacg atcaggtccg 660
tttcgagctc gccttctacg ctctacagcc cgacatcaag gtcacgctc cttggcgtga 720
ccccgtttc tacgagcgtt tggccggctg caacgatctc ctgcctacg ccgctgagaa 780
gggtatcccc gtcacttcca ccaaggccaa gccttgagat atggacgaaa atctggccca 840
ctgctcttat gaggtggta tcctggagga ccctgacatc actcctocca ccgacatgtg 900
gaagcttact gtcgaccccc ttgccgctcc cgacaagccc gaggatttca ccgtccactt 960
cgagaagggt cttcccgtaa agctcgagta caccgagaac ggccagcaga agactgctac 1020
ggacgctgtt gacatcttct tgactgccaa cgccatcgct cgccgtaacg gtatcgggcg 1080
tatcgacatt gtgagcctgc tctaaattga ttgggtcgag cctgaggcta atatatacta 1140
ggttgagaac cgtttcatcg gtatcaagtc tcgcggtgc tacgagaccc ctgggtctcac 1200
ctgcctgcgc tccgcacacg tgtaagtga gcttgtgcgt tttccgtcgg ataaatctaa 1260
cctgccgttc atagtacact tgagggctct gtgctcgacc gtgaggttcg tgctctgcgt 1320
gaccagttcg ttactatcaa ctactccaag gtttgctcag cccttacata gtcagtcag 1380
tgttgcttac gatccgctag ctcttttaca acggtctcta cttctctccg gagcgtgagt 1440
tccttgagca ggccatccct gcctcccaga agtcgggtcaa cggcaagggt cgctgccgcg 1500
cctacaaggg caacatgatc atcctcggcc gttcctctga gaccgagaag ctgtacgata 1560
tgtccgagtc cagcatggac gagattggtg actttgctcc caccgagact accggattca 1620
ttggcgtgct tgccatccgt ctgaagaagt acggtcagat gaagcaggcc gctggc 1676

<210> 20070
<211> 1677
<212> DNA
<213> Aspergillus nidulans

<400> 20070

ccgtcatctg caacatactt tcaatcgagt gatgacggta cgtaccagca tccaagtcaa 60
atctcatctg cgcgtactct tctttcttgg tggagtagta gtggggtcga ccttttattc 120
tatcgcgagg cttggtcagc ttctagcttt ccttaatagc tagcgagtat ttagacaatg 180
gcgacgtaca ctttcacatc cctcagcgac acttccgtgt taatcttata tgtcgggaac 240
aagagtaccg agagggcggc gaaacccgca acaaagagcg cgactgtcgt gaagaagccg 300
aagaccgctt gggcacgatt tagtgctgag tgcacgtttt atttttcttt gtgtctccct 360
gtcggtgagg gagatccgtt gtaggagagg tgcccagaag ggatgggatg ggttggtatg 420
ggataaagcc acatgtcccc gtctgcgctc cagaggtttc ggctgcttat cgataagatc 480
aagcttactg gaaactggta ctgtgaaaac gtaagacggt gaagtatat gcttctctta 540
aaagtctggc aggtttatat tcttggttaa tacgatgaga gattctcaag ttacaatagc 600
tctttggatg atctactttt gattatacta tccgcgcgat agctcaattc agacagctta 660
aagttgaaga tcactccgct ctccacctaa gctgaccccg cgctacttag gtatactgca 720
agactccaac agctaagtcc cagtcttaaa tcatcctctc gccgattcgc tttgatatac 780
ccgttgctag aggacagcaa ttaacgatct tcaagatggg cgaccacggt ctcttcttct 840
acggtagcgt ttctttgttc ccctgccttt tctaccgtag cgttgcatat atataacccc 900
accagcgaga ctcaattcat catcaaatac tgagtaaata ttgaatcagt actaagcagc 960
aagtcaggaa cccttatggc ccccaaaatc cttcacggtg taatccacgg ctctccgagc 1020
ccacaacaat ggcaaaaaga ccttctccag tttcgtcccc cagtactgca cggtatatag 1080
agacatcgag tcaggggagc tgattatccg ggaatcatca gagagtcaga atcgacgcag 1140
gatgctgcta cggatgggtc tgagtctgca acaggtaaag cagcgtacc ttcagggcct 1200
gaaacacggt cgcgcgcaag cgttctcggc actgtcgtct caggccttac ggacggcgat 1260
atccacagac tcgatatctt cgagggcgca gagtataggc gggaaaaagt ttctgtgcgg 1320
atactgcggg aggcattatc aaaggacttg aacaatcaag acgggggttcg gaatggggat 1380
gagaaccggg cgcagtgtga cgcagatgca gctagagata agcacatcaa ggatgtgttg 1440
gaggctgcgg gggcagattt tgcagatgaa gaggaggagg ttgaaacgga gacgtatgtg 1500
tggttgctg gacggactat gttagaggat gcagaatggg actttgaagc cttcaagagg 1560

gataagatgg cgtgggtgggt ttctgctgat gaaagtgaat ggtgatatat gtttaactag 1620
 atattgtgcg atgggttttac ggagattatg caggtgttga tagagcctgt atagaat 1677

<210> 20071
 <211> 1680
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20071

cgacagaggc ccctgtctgg acacaagaag tccacgtcga atgatcgttg gatgtctact 60
 tactcccgtg ccggtgtacc gactgcttca tgtgaagctt gctcacttcc gattgctggg 120
 aaggctcgta ccgctgccgg gacacgtttt catccagagt gcttcacttg ttaccactgt 180
 catactgccc ttgaatgtgt ggcattttac caggagccgg acgaaagcgg aatgaacgac 240
 tcgcagatcc ttccgcagat gaagacgccc attccttgag gttctattgt caccttgact 300
 ttcacgaatt gttcagtccg agatgcaaaa gctgcaagac accaatcgaa ggagaagtgg 360
 tcgttgccctg tggggcagaa tggcatgtcg gtcacttctt ctgcgccgag tgtgggtgatg 420
 tacgtaccgt gactcccgaa tgaggacttc tgctaattctc taacagcctt tcaactcgca 480
 aactcctttt gtggagaaag acggctatgc ctgggtgcctg aactgccact ctgcgagaac 540
 tgcacctcag tgtgcaggat gtaagaagcc tgtccttgac gatatcgtga tcaactgctgt 600
 aggcggaaaa tggcacgaaa actgtttcgt ctgccatgaa tgcggcaacg ggttcggccc 660
 agatggccgg tacttcgtca aggaagggtga gccagacgg acggccaaag gccgaatcat 720
 tggagggccg gttcagctgg ctgtgtgtga gcgatgcgaa ggcattcgtc tgaagtcgtc 780
 tcctagggcc tgattgtggc tttggtagta ggtgatctct atattatgac taacgctagg 840
 ttaagctgct gttcgtgcca ttattgggta ttcgcaacgc cgaacagatt tatcattgct 900
 tgttatgtct tttctgtctt atttacatta tgcattggca gcgactatct tataacgata 960
 taatgaaatt ggctgggctt ttttttttgg gctttcaaat tatgctgata tcggtagcga 1020
 aatgtacggt ctattgcagt atagaaaaaa aacctcaact tgaaaagcct ctgataaacc 1080
 aaaactccta agggaaagcc tcccgaatc gtcacgactc tcaaaccat tccgggttac 1140
 tcttctctct aaaaacagcc acgtacttat ttccccatt cctcgcaacc ttctttccct 1200
 cttctgtggc ctctttcata acccgaacac actcgtcttt ttcaatgtcc tcctcgtcga 1260

ctcgc tcaaa caattccgct gacccctctc tcttccccac tgattcttgc acctcctcct 1320
gaccttcacc ctgcttttga gcctgctcag cctcaacatc gtacccaaag tgccttagaa 1380
tccagtaatg gtactcctcc acatccgtga tcgtatacag caagcctccc ggtcgaagcg 1440
catacgcata ctccgcattt agcgtctcgc tgacaatcct cgccttatgc ttccgcgcct 1500
tgaaatgagg atctggaaaa cagatgaaga tcttgatag ttgaccgcgc gcgaagaaat 1560
ttgggaggaa tttcatcgtg ttggcgcgaa tcgctgtgat gttttggtat ccgcctggga 1620
ttagggtcga cggaaagatc tcggagtcac cgactgaggg atcgttggcg gtgggggtct 1680

<210> 20072
<211> 1680
<212> DNA
<213> *Aspergillus nidulans*

<400> 20072
ttggtctaataaatatattcc catagcatct ggttcttata ctttgtaaataat gcgttccaga 60
tctctgtgac cagcagcttg aatccatacg tgaccagttc attcaatgca cactcgctat 120
ctgcactacc gacagccatt ggcgatgcat ttgccgctgc gacatatctt cccatggcga 180
aactgatgga tgtatgggga cgtgcagaag gctttttatt catggtcatt tgccctgacta 240
ttgggctggt acttatggcg tccctgcaatg cctttgagac ctactgcgcc gccaatgtaa 300
gtcgccgcaa acaatccttg aggaaagcaa gtccctaattg cttagggtgt ctactacgtt 360
ggcttttatg gtatggaata tgccgtcgat gtcgtgacgg ccgatgcttc gagtttgagg 420
aatcgtgctt ttgcgtatgc attcacgtcc tctccttaca ttattacagc ctttgcaggg 480
ccaaaagtgg caaaggactt ttattatcaa gtttcttggc gatggggctt tgggtgcttgg 540
gcaattgcta ctcccataat tgcactgcct ctatacggta tgctaaagta taacttgcac 600
aaggctcagc aagaagggtta ctgtatcaga agaccgagtg gccgcacggt actcgaaagc 660
atccgacact ggtctgttga gtttgactgt gcgtatcatc cttttgccga aatatacctt 720
tctgaagcat aaggctaatt tgatgctttc cagtgttggg agtgtgcata tttactgcag 780
gccttgtatt gttccagcta ctttttgaca ttgccgatta tgcacctgaa ggctgggcct 840
cagactacat catcgccatg ctagttgttg gcttctcaat gctgttcttt tttgcaatct 900
gggaaaagtg gcttgcgcca gttcctctct tcgagtggcg tctgcttacc aaccgcacca 960

tcataggtgc tgtactcctg gacgcaactt accagctctc aaactactgc tggagctact 1020
 acttcacttc ctggctgcaa gtcaacaata acctaactat cgcgacagca aactacatca 1080
 acaacatctt tgatgttgct tctggcgtag tactgctgtt cctcggctgg gtgatccgcc 1140
 gagttggcaa gtacaagtgg actttataca tctccatccc actttatatc ttcaccaag 1200
 ggctcatgat tcatttcgcg aaaccaata tgagcgtcgg ttatcaagtg atgtgccaga 1260
 ttttccttgc aattgctggc tcagttttca tctcgttga acagattgct attcttgctg 1320
 ccgtagatca ccagcatgtt gccaccgat tggccattct gaacgttggt gggactattg 1380
 ggaattctgc tgggttgacc atcagcacat ctatctggca acacacatac cggaacgctc 1440
 ttattcggtg tcttcctgag tcggccatgt ctaacttcag cagcatctac gatgatctca 1500
 gaacgcagat agggtagcca gtaggcagcc ccatcaggac ggccatccag atggcctacg 1560
 cctatgctga actcagacta cttgctgttg gctgcggcat tatgatgctt gcgattcctt 1620
 ggtgtatcct tattagggat atcgatttaa agaggaagat gcaggtcaag ggcactgtgc 1680

<210> 20073
 <211> 1681
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20073

cttcaagttg ggataatcac caacaaatta tctaaacagg gtgacgaatt ccgcgtgcca 60
 tggtttgaga tctgcttata cattctgttt cgggtggcttc agggcaacca ggggctcatt 120
 gggctctctc gttccaccct ctggatccct gttagccagt attcgtacat ggagctttca 180
 accgctgctt ttgagcatgt ccatgggtctc agcttggaact tccatcttgg gaagaagaca 240
 ggtgaagtgc tctcggccct tagtaagggt agctccatca acaccttttt ggagcaagtt 300
 acctccagg ttgttccaat gctagtcgat ttatgtgtcg ccattgtcta tttccttggt 360
 gcgctagacg cgtattatgc tcttgctgctc accattgtga ctttctgtta tctttacgtg 420
 actattcgta tggctcagtg gagagcggag attcggcgac agatgggttaa ttcattctgt 480
 caagaagatg cgggtgaagtg agttaaacag cctaattctc ttcattcttt tggatttact 540
 catataacgc ttttaggaat gactcgatgg tctcttatga gacggtgaaa tatttcaacg 600
 cggaagagta tgagtttggg cgatatcgag gcgcagtatc cgacttccaa agggccgaat 660

accacgttct tttctcgctg aacctgatga acacttcgca gaacaccatt tttatgctcg 720
 gccttctgat cgcttgcctt attgccgctt atcaagtctc gctcggacaa cgggatgtag 780
 gtcagtttgt ttcgcttctc acgtatatgg cccaattgca gggcccgcctc aactttttcg 840
 gaacattcta tcgttccatt cagtcagccc tgatcaattc ggagcgcttg ctggaattgt 900
 tcaggaaca gcctacgggt gtcgaccgac ccaacgccc accattggcg gtttgcaagg 960
 gagacatcaa atttgacaat cttgaattct cctacgacgc ccgtaagccg gcgttgaacg 1020
 gccttacatt ccaactgcgag cccggcacca caactgctct ggtcggtgaa tccggtggag 1080
 gaaagtcgac tgttttccgt ctgctcttcc gattctacaa ttctgaaaga ggccgaattc 1140
 tggtcgacgg gcatgatgtg gaaagtatca ccattgactc cctccgaaga catattggag 1200
 tggtgccgca ggacacagtt ctctttaatg agactctgat gtataacctg aaatatgcca 1260
 acccaagtgc tacagacgaa gacgtctatg aggcatgtcg ggcatttagt atccatgata 1320
 aaatcatgtc attcccggat ggctacaaca ccaaagttgg tgagcgtggg ctgcgactca 1380
 gtgggtggga gaaacagcga gtggcaattg ctcgacgat ccttaagaac ccggaatta 1440
 ttctcctgga cgaagccact gcggcacttg aactgagac cgaagagcac atccagggcg 1500
 ctctgtctac gctatcccggt ggccgcacga tgctcgtcat tgcacaccga ctgagtacca 1560
 tcacgacggc ggaccgcac ctggtcctga gcgagggcaa ggttacagaa agcggaacac 1620
 atgatcaact gcttgcaatg aagggtcggt atgcaagcat gtggcgcaaa caaatacgcg 1680
 c 1681

<210> 20074
 <211> 1684
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20074

ataggtctta agacagagtt tatgttgggg gacaaaagaa cccttctatc aaaagcattg 60
 aaacaaggaa ggaacgaact tgtttgcgaa cttttgttat cccagccat gaatatcaac 120
 ttgcttcata acgaagtttt gcgggtggaa tctgaagggg gccatgagaa agtcgccaag 180
 ctactgctgg agaagagggc tgatgtcaat gcttccaatg gagttgctct gcggagtgtc 240
 gcagcacatg gccatgcgaa gatcgtccag ctcttggttg agcatggagc ggatgttaat 300

gtatttcatg gatattctct gcggttgctg cagcaogggg ccatgaaagg attgtccagc 360
 tcttgctaga acatggagcc aatgcaaacy cttctgatgg agacgcgctg agatgtgcta 420
 ctgaaacggc cttgagaaga ttgttaagct actctttagt aaggagctc acgttaatgc 480
 ctccgctgga gaagctgtac atagtactcc agattggggt caggatacag aaaggctcgcg 540
 aaataaatag cgggttgctg tggttgatac cagagacaag ctacagcgct ggacgcggcg 600
 cgctgcatag ggcttgtag cgcccgatc agttgcagtc gtaggagcta taataagaaa 660
 gaagaaaagg tgaaagaaga ctgttcagt ctgaagcttc tgctgttggt ggatgggatc 720
 atgcaggtaa cataggaac tgatgttaat cgtatgtgac agcttgtcat atatggaact 780
 tcccaatttt cgcttcgtca atgcaagttc ccgcttgccg atgcttactt atgcagagaa 840
 ttctgctatt tccaccagaa gctatttctc ttccaactgt catattatac taggatgctt 900
 cttatttttt atttcttatg tatctaaacc gctgtataga gctagggttg agaatacaga 960
 ctttcattct tttatattat taacggctga tgctggtgat taggtctagc ctgacgctcc 1020
 ataaatatag agcagaatat cagacaaaag tcagagaaac tcttgctatt tttcttaatc 1080
 ctggagggat tatagcagtg ctctaaactt tagtcacaca ctaccacccc gccattcgct 1140
 caagtgggtg attcaccacc ttgctcatac taactcacct gcactcacc tagatttggtg 1200
 ccgcccactt ctaaaagcag cagcacactc agggcttggt gcacttttat tcgcgttgat 1260
 aatgatggct taacttcac ttagcgagc ggaagccatg cttccacac cttatgggtg 1320
 tatgtacttg gaatgcatgg atcctgtatg ttatgctata cgtgaggctc gtgctcatat 1380
 tttccaactt cgctatggac caccactacg catgcaagtg gtatgccgtt gtcctttgcg 1440
 aaacaacagc atcaccctcc aatgttcaag tggtagcag catccaatat gactgactca 1500
 agagtgatca aattcaatat cgccggcaaa gcgatcgatg tcatccactg atattcgtct 1560
 atgagcggtt ccgcacatat tagtagtttg tggcgtagcc caatagtcgc gagacgggat 1620
 atgatgagag tggttggtcta tcgtattcgg acaaatgagc gaatatagaa caatgaatca 1680
 atat 1684

<210> 20075
 <211> 1685
 <212> DNA
 <213> Aspergillus nidulans

<400> 20075

ttagttctta ttttcatatt tgctcgcatc aaatatacaa acctaacccc accaccattc 60
acacacaatg tgccctgggtg cagacaatga gcccaatggg caaacaaacg gcgtcaacgg 120
ccagtctaatt ggtattactg tgaatatgca ttatctacag attcaatgct aatTTTTTTT 180
ctttcaagga gaccaccccc gtttcaccgc ggttcagacc cgccagaacc ctcatccttc 240
ccgtaacccc tacggtcaca atgtcggcgt gactgatttt ttgagcaatg tctcccgtt 300
caagatcatc gagagtactc ttcgtgaggc cgaacagttc gccaacgctt tctttgatac 360
ccagaagaag attgaaattg ccaaggcatt ggatgagttt ggagtcgact acgtgagtca 420
tccagtgtgt attggtttga tgccacttac tgacggctgt tcgctctaga ttgaacttac 480
tagcccttgt gcttctgaac agtcaaggct tgactgcgaa gccatctgca aacttggtt 540
gaaggccaag gtaagttccc attggtaatg agtcggcgca tacactgtct aatgggcca 600
atagatcctc actcatattc gatgccacat ggatgacgct cgggtcgctg tcgagactgg 660
tgttgacgga gtgtaagaat tcttcacgt tttctagctg tcttttagtac taatcaggtg 720
tacagcgacg tcgtcattgg aacttcctcg tatctccgcy agcactctca cggcaaggac 780
atgacctaca ttaagaacac cgccatcgaa gttattgaat tcgtcaaata caagggcatc 840
gaaatccgat tctccagcga ggactctttc cgctccgacc tcgtcgacct gctttccatc 900
tactcagccg tcgaccaagt tgggtgtgaac cgcgttggtg ttgcagacac tgttggctgc 960
gcttctcctc gccagggtga cgagctcatc cgtgttctga ggggagttgt gagctgtgac 1020
attgaaactc acttcacaa cgacactggg tgcgccattg ccaatgctta ctgtgctctc 1080
gaggctgggt ctactcacat tgatacctct gtccttggtg ttggtgagcg caatggtatt 1140
actcctcttg gtggtctcat ggctcgcatg atggctgccg acccccagta cgtcaagagc 1200
aagtataagc tggagaagct taaggatatt gaggacctg tcgccgaggc tgttgaggtc 1260
aacattccct tcaacaacta catcaccggt ttctgtgctt tcaccacaa ggcgggtatc 1320
cacgccaagg ctatcctgaa caaccccagc acctacgaga tcatcaacct cgctgatttc 1380
ggcatgtcaa gatatgtgca cttcgctct cgtctaacag gctggaacgc tatcaagtcg 1440
cgtgctcaac agcttaacgt ccacatgact gacgatcagt acaaggagtg cacggccaag 1500
atcaaggctc ttgctgacat ccgacctatt gctattgatg atgcggatag catcatccgt 1560

gcttattacc gcaaccttag ctccggcgag aacaagcccc tcatggatct gactgccgat 1620
gagcacgctc agttcctcgc caaggaaaag gagcttaccg agagtggcac cgctctttaa 1680
gggcg 1685

<210> 20076
<211> 1688
<212> DNA
<213> Aspergillus nidulans

<400> 20076

ccatcattgt tgggggcacg actatccagg gagtggggtt cctggtttca ttgatgggtgt 60
attcggcctt catctaccga ttgatgtccc agaagctgcc aagggagaat atccggcctg 120
ggatgtttgt ctctgttggc ccaagcgcat ttacggtagc aggacttggtg actatggctg 180
ctcaggcgaa cagtgttttc ccgatgatt ttatgggcga cggcattttg gccgccaacg 240
tcttaaagat cgtgggtcaat tttgcctcct tatggctctg ggggtgagta cttttgctgc 300
cacagatttc caagctgacc tctcagtctt gcaatattct tcttcttcat cgcaagcttc 360
gcgcacctat ccgccatcgg ccctgggcga atgattttca cgatgggctg gttctcgttt 420
gtctttccga atactgcgct gatcacgtcg acatttgtag tgggaaatgc attttcctgc 480
aaacctattc taattatagg gtgtgtcatg gttattcctc ttgtgctgat gtggctcttc 540
gttgtttata tgatgatccg cgctataatc ttacgtcaca tcctctggcc acagaaagga 600
gaagacaaag acgagggagg gtttgaaatc aatgagatca ggcttggcac tctcggtgca 660
gaattccagt aaggtttcta ctgacgcaga tgattgtgct gctaccattt gaatgaatga 720
tcatagtttg gagggatttg aaagattttg tatacatgtg atttaaacca aaccattcaa 780
tgccattcga aaaaaaagca ggctatataa cctcacggat ttgggctctg aacacccatc 840
cacagtagta tgcatagtat agaagtaatc acagctggcg tcggcaggct ccgatggcaa 900
gggttcgcag gctccacctt cttgggaacg gtccaatcca tggcgggctg gccacatgga 960
accttatcca tctaacttgg ctgttttttt tttctgcccc tcggactctg tcttctttaa 1020
atattattac gcgttttcct ctctctgct taatatctgt tgcttgaaga aactcgtctg 1080
ttgagctttc ggctttatca cgcacagctc ttatccatct ctctcttat cgcgctatcg 1140
ggaaacctct tatcgtcaat atgccccaaa aagtctatgt cacctacaac caggatgaa 1200

ttgctcagtc tgcgcattca agattccaga gttgcagaac taccctacac aacatacccg 1260
 ccttaagggc tcttcaactgg atactcgtat gtcgacgtca ggtcgggtcta acaattgttg 1320
 ggtataggtc cacaagctat gccaatcctc ggctgaacaa atcctcaaca cattccaccc 1380
 caacttgatg atcgctattg gtggaggcgg ttatgtccct gcccgcatcc tccggtaaatt 1440
 cgaccagata tcatagagaa attatgatct gatcaatcac tagatcgttc ctcaagcgcc 1500
 ccggcgagcc caacatccct attcaggcca ttgggtctgtc gctctacgag gatcttggtc 1560
 gcggtgaccc agaggaggtc cccggtacaa aggttaccgg aacacaatgg ctggacctga 1620
 gttccctgga aatggccaac ctgattggca agaacattct cattgtcgac gaggtcgatg 1680
 acaccggg 1688

<210> 20077
 <211> 1689
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20077
 gctatataca ggggtgcacc atcttgtcca agtcatcgaa tgctcctttg tgccgctact 60
 ttggcgggtct ccgctacgct ctgcctccat cagaacgggtg gcgcaaagcg cagaagttac 120
 ccgcgagcta tatttatggc accaaggacc gtcccttcca atgccccggg gctacaaaca 180
 gatgtccaca agcaacgttc ttagagtctc cgggtctcgga ggctgcgcac gaggattgct 240
 ttcagtgtaa tatatgggtt ccttttggag atcctccggc aaacgggtacg taccagttct 300
 catctcgctt ctttaagctct cgggtctata ctaagcttct ccataggatg gcctgtcctt 360
 gtcttttatac gtacgtactc aaccgtttca ccgtttcacc ttacaaatac agagctaattg 420
 ggatactaga cgggggtttc ctgcaattcg gtaccccaaa ctcccttttcc gcagcggccc 480
 tcctgggtga gacagacttt ggcgccatta tcgtcatgcc agcctaccgt ctgaatgctc 540
 tcggctttct ctactcctca gaactagaac aagacgccac ttccggttggc gaaaccgcgg 600
 gaaaccatgg cttctgggac caacgcatgg ctctcgaatg gaccaaagag aacattggct 660
 tatttggcgg caacggctct cagctcacgc ttgctggata ctccgcaggc gcatactctg 720
 tttgttacca actagcctac gatctaacc tccagagtc tcaatccctt gtcagacgag 780
 cctgcatctg gtctaattcc ttcactgtac agcctaaatc cccacgctt gcccaaacc 840

agtttaacca gctcctttcg gccctcaata ttccaatctc cttgtcccca gccgaaaaac 900
 tctcccgctt ccgctctacc cctctgtcaa cctcctctc cgctgctgca agtatagacc 960
 tgcacgagtt ccgccctaca accgacaacg ctttcatccc taataacctc ttccacaccc 1020
 tcgacaacgg caccttgcga tccaccttac tcgctcgcaa catccatata atcacggcgg 1080
 aatgccgtga cgaacacttc ctctacggca catggcgccc ccagtcgaag aatacgctcg 1140
 gctcgctgcy cgctaggctg ctggcggatt acccccgccc cgctcgcgac gcccttatga 1200
 ggatatacta cccaaacaga acattaccgg cagattgcaa ggactgggtca tccgatgcct 1260
 ttggccgaat ttacgcggac atgcaggctc accgtatgca gcgcggattc atctacgcgc 1320
 tcaccaatcc cataaggccc agagagccaa atctcggcga gagagtttct aaactcatcc 1380
 accgctaccg catggaatat cgtcttaa at gcgcggacgt ctctactcca ccgggatggg 1440
 gcgtcacaca cgctacggac cagtatatct ggttctgggg caatgggcag atcgctctac 1500
 ccgaggagaa gaagattatc aggaatgcgg tcatcgatcc gttcattaag tttgtgcgtg 1560
 gggagcagga gctgggggtg gggggccagta atcatagga gatgaggacg ttgaagccgg 1620
 atggaaccgt ggagatttgg cgcgacgggc tctgggacga ggcagtaagg acctggaggg 1680
 cgctaaggg 1689

<210> 20078
 <211> 1689
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20078

tggcgggtcat tcatcctggg tatcgttgtg tccatgggtg gtttcatctt cggttactct 60
 actggtttagc atcttcatca tgattgtgtt agtgctcccg ctgactgggc aggtcaaatt 120
 tccggcttca caacaatggc agatttcaag aagccgttcg ccgagcgcca agcaaacggc 180
 gagtacgtct tcagcaacgt ccgcaacggc ctaatcgctg gtcttctctg cattggaacc 240
 atgatcggag cctcgtcgc cgccccatc gccgaccgca ttggccgcaa actctccatg 300
 tccttctggt cgatcatcca catcgtcggc atcattatcc agatcgccac tgactccaac 360
 tgggtccaga ttgcatggg ccgttgggtt gccggtctcg gtgtcgggtc cctctccagc 420
 gtcgtcccca tgtaccaatc cgaagctgca ccccgccagg tccgtgggtc catgatctcg 480

gccttccagc ttttcgtcgc ctttggtatc ttcattctctt atatcatcaa ctacgggtacc 540
 gagtcgatcc aatccactgc ctctgggaga atcaccatgg gcatcggttt cgcttggcca 600
 ctgatcttag gtctcggagc tcttttctctg cccgagtccc cccgttacgc ttaccgtctt 660
 ggccgtattg acgaggcccg caaggctatg gccaaagtct atgggtgttga ggttaaccac 720
 cgcgttgtcg tccaagaaat gaaggacatg aaggataagc tcgaggagga gcgcgctgct 780
 ggtgttgctc cctggcacga ggttgtgact ggccccgta tgctctatcg tactcttctt 840
 ggtattgctc tgcagtccct gcagcagctc tctggcgcaa acttcatctt ctactacggg 900
 aactccattt tcacctccac cggctctaac aacagttacg tcaccagat cattcttggt 960
 gccgttaact tcggtatgac cctgcctggg ctgtacattg tcgagcactt tggtcgccgt 1020
 gctagtctga tggtcgggtg tgccctggatg gccatctgct tctacatctg ggcttctggg 1080
 aagaataaat ccattcctgcc actcaaacga aagacatcgg ctaacaagtc tcatagtggg 1140
 caactccgtt ctgatcttg acaaccgca gaacaccccc aaggccggag ccgccatgat 1200
 cgtgttcacc tgcttcttca tcgccggttt cgcaccaca tggtcagtca cctcgtacat 1260
 ccgctacaaa tctaataac taacatgacc acctaggggt cccatcgtct ggtccatctg 1320
 ctctgagatg taccccaacc gcagccgcgc cacaagcatt ggcattgcca cttgtgcca 1380
 ctggacatgg aacttctga tctccttctt caccctattt atctcagggt ccatccactt 1440
 tgcctacggc tacgtgtttg cctcctgctg tgttgttggg gtccttatcg tcttcttctt 1500
 cgtcaacgag acccagggcc gtaccctcga ggaagtcgac accatgtatg tcttgcattg 1560
 tgtccctgg aagagtgctt cctgggttcc cgatgagagc atcgtccgtg atctccacc 1620
 tggttccgat gctaacaaga ctgagggcct tgggcaggcg gagcatggtg aggagagcag 1680
 gccggagcc 1689

<210> 20079
 <211> 1696
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20079

gccttaacag ggccctcgtc taaggagaga aaatacgatc gccagttgct gctttgggct 60
 gccagcggac agcaagcttt agaggagtcg cgggtgctct tggtaattc ggacggaccg 120

tggggcaaca gaagcacggg ggtgtccggc gtagtgggtg tcgaaacgct caagaatctt 180
 gtcctcccag gcgttggagg cttcacgatac gttgaccctg ctgtggtaac tgagccagac 240
 ctcggggtaa acttcttctt tgagaatgaa agcctgggca ggtcaagagc tgaagagacg 300
 tgtcgactac tgaaagagct gaatcctgat gtagaaggga gctttcgaac caaggtatat 360
 ctgccatgta gggacatgtc cgcaagccaa actcctcatg ctaaccggtt tactatcagc 420
 ctattgcgga gatacttcaa gaagagcccg ggattctggc acaacataaa ctcatcttaa 480
 tatctggccc tatagagcat tcatcactgc gggccctctg cgatgggtgcc aaaaagctag 540
 caatcccgtt cctctacacg cggctctgtt gattctactc cacgttctct ctccagcttc 600
 ctgctgtgtt tcctatagta gaaacgcatac cagaccgga gtcaaccag gaccttcgtc 660
 ttctcaatcc ctggccggaa ttgactgcgg ctgggtgctag tatcaggaac ttggacagtt 720
 ttgatgatca tcaacatggc cacgttccat acgtattatt acttcttcat tatttgga 780
 aatggaagga aactcataac ggcagcgtac cctcaaacta taaggagaag acggcattta 840
 gggacttcgt gcggtcttgc gcaaggacaa ataattcaca aggcggggaa gaaaattatg 900
 atgaagccgt tgcagctgtg ctaaaatcgc ttaaccatt cagtttgcg agttctaccc 960
 gggagatttt tgagatggaa gaatgcagac aattaagcgc cgcttcggcc gatttctggg 1020
 tcattgcatac agctgttcgc gaattctacg aaacacacca acttctcctt cttcctgggt 1080
 cacttctga catgaaagcc cagtcagccg actatgtctc attgcaaaat atctataaaa 1140
 cgaaagcaag ggaagatata gcagaagtca cggatattat cagaaggtta gagtctcagt 1200
 tgggccgagc cgccagagtt gatgataagg atatcgaaat attttgcaaa aacgcctccc 1260
 acatccaggt gattcgtggg cgtgatattc cacaagtgga tgggtggta gacacaaaaa 1320
 agcgtctacg actcgagctt aataacgacg aatctctaata tcccgtttac ctggcttttg 1380
 aagtcctgga tactgtcgta accgggattc aggagggaaa gtatcaccaa gacgccctgg 1440
 acgatgatgg gatctggtct tccgaaattg gtcgcattct cgctgttatt gcagcggacg 1500
 ctgccgttga cgaggcccg aatcgtgtcc ttgacgccgc acaggagctg cggaggacaa 1560
 aggggtggcg gctgcacaac atatcctccc ttactggcgg tttagtggca caggaagctc 1620
 tcaaggtgct cactaggcaa tatgtacctt tggataatac gtgcatcttc gacggcgttc 1680
 gcagcagcag cgccat 1696

<210> 20080
 <211> 1700
 <212> DNA
 <213> Aspergillus nidulans

<400> 20080

```

ggagatcgca gaactgatca aaacaagtcg ggattctttt tcatcattcg ccaaagcaaa 60
gacagcaaag ctcggtacgt tataattata ttgcaggtga atgcgaatgt gacggttagc 120
taatgggtat tgtgtagttc gccagttgct cgatttgttt agtgagattc cgaacaccct 180
cgatattcag attgccgtca tccgatcttg cattgaatgg gccgtcgccg agcgacgatc 240
ctttctacgg cagaacctcg agactagggtt ggtggcgata ttcattgcaga agcaaagcta 300
ttatgacgct ttaaacctga tcaactcact tctccgagaa ctgaagcggc tcgacgacaa 360
gcttatgcta gttgaggtgc agctattgga atcgcggtga taccatgcac ttggcaacca 420
ggctaaggcg cgtgctgcgc tgacggccgc tcgcacttcg gccgcttctg tctacacacc 480
tccgaatctg caggctgggt tggatatgca gagtggatg ctgcacgccg aggataaaga 540
tttcaacacc tcatactctt actttattga ggccctagaa ggctacagct cgctggacga 600
aggagagaag gcgacagcag cgctgcaata catgctcctc tgcaagataa tgctgaatct 660
ggtggacgat gtcacaaccc tactgggctc taaacaggcc cagaaatacg ccagtccgcg 720
acttgaggcg atgaaagcag ttgcgcgcgc tcatgcaaac cgttcgcttg aagagtacga 780
aaaagcgctc tcggattacc ggtttgaact aggaagtgat gccttcatcc gtaaccacct 840
ccgccgactt tacgacgcca tgctggaaca gaaccttacc aaggtcacgc aaccgttcag 900
ccgtgttgaa ttagaccata ttgctaagat ggtgggtttg gatacacagc aggtggagag 960
aaagctctca caaatgatcc tggacaaggt gatcattgga gtgttagacc agggcgcccg 1020
atgcttgatc gtttacgacg agactgagcg tgatcaggct tacgatgcgg cactggaaac 1080
cattgcgaga ctaagtaatg ttgtggagtc gctgtacact aaccaggcat cgcaactgga 1140
gtaaggctat ctagacgttt cgtgggatct tttgttctg tactccagaa atgacataag 1200
ttagagacat gatcggcaca tcgaaaactc atggtctaca tactcaaatt gcatttgtaa 1260
tttcgtagca cccaggggtt tgatcttgac cttggaggat tgatattgtc caaaacgggt 1320
aaagcgcgat cgcgactcag cgaagtttgg aatccactga agactctcag tcaacggcct 1380

```


ccaccgcatt gggctggctc tgtctcttga aattaccgtg tcgcaaatat cgaatacaga 1440
 tttcttcggc tttccggata aattgccaat catgaacgct ccaccaatgc cgccgggcta 1500
 cggacgagcc tatccccagg gcgccaacg gtctcctgcc acgcctcgtc gcggacccca 1560
 agctccaggt tcgttcagta ctctctgcca tgcactgaac cccggcgcggt aattttctca 1620
 tatgtaatag tatctaaccg tgggtgcttga ttcttaggcc ctatgcccgt cccaatgcct 1680
 caacacgccg tgcctcctca 1700

<210> 20081
 <211> 1702
 <212> DNA
 <213> Aspergillus nidulans

<400> 20081

ttgagttact gctctctaga tagcaccact ttgctgacta gccaaatcta gacttcgaag 60
 atcagaccct tgggtgctggg cgccatcctc cgaaatgtca cctttgataa ggctcgttac 120
 gaatctttca tcgctctgca agacaaactc caccagaatt tggcgaggca aaggacactc 180
 gtctccattg gtactcatga cttggacact atcaagggcc cgttcagcta tgaggctctg 240
 ccgcctaaag acattcgctt tgtgcctctt aaccaaaca aggagatgga cggagaggag 300
 ctcatggcct tctacgatgt atggccact gtgtactgag ctggtcgga tgctaatact 360
 gctacagaaa gacaagcatc taggcagata tctccacatc atccgcgatt ccccggttta 420
 ccagtcattc acgacgcaa cagaaccgtc tgctctctcc cccaattat caacggagag 480
 cactcgaaga ttacgctaaa cactaagaat gtttttattg agattacagc gctcgataag 540
 aaaaaagtgg aaattgtgaa caaatcatg gtttcgatgt tctcgagta cacatccgag 600
 cccttcacgt aagaacccat gcattcctgt gctcaattta aaggtttcgg gagctgatct 660
 cgctataaac agggttgagc ctgtccagat tatctctgag cacaacaacg agacgagagt 720
 cactcctgac attgcacctc gaactacaca ggccgaagtc tcgtatatca accagtgttg 780
 tggcttgagc ctctctcgcg aggagatttg tagactcctg acgaagatgg catatgaagc 840
 gacaccgtct agtacttctc ctgacttaat cgacgttcac attcccccaa cacgtgcaga 900
 tatecttcat caagcagata tcatggagga tggtgcgatt gcctacggt ttaacaatct 960
 cccccgtcc ttccaagca agtcaggcac ggttgctcag ccgttatoga tcaacaagct 1020

ttccgacatc attcgcacag aggccgcaat ggcggttgg tccgaggtgc tgcctctgat 1080
 cttgtgctcc catgatgaga actttgcctg gcttaaccgc acggacgacg gcaacacagc 1140
 cgtcaagctg gcgaacccca agacacagga gtaccaggtc gtgcgcacaa gtcttcttcc 1200
 cggctctttg aagactatcc gcgagaacaa gtctcactca gtgcccata agatcttcga 1260
 ggtcagcgat gtcgccttca aggatctatc gatggagcgt aagagtcgaa acgaaagaca 1320
 ctttcgtgcc gcatggtaca gcaaaactag cggtctcgag gtcgtacacg gtttgcttga 1380
 ccgcatcatg tcaatgctga agtccgcttt catcatcggc gaagagggcc tggagaacgc 1440
 cgcagtcaag gactcgcagt actggatcga agagctggac ggtaagtctt cctcatttac 1500
 aagactcaaa ggteccctcta gtcactgata taacgataca gacccaactt atttccacgg 1560
 tcactcggcc tctatccacg ttcgcattgc cggcaaagac cacaccatcg gtacttttgg 1620
 tattctgcat cccactgtgc tggagaacta cggctctgaaa taccctgtca gcacgcttga 1680
 aatcaatatc gaaacattcc ta 1702

<210> 20082
 <211> 1714
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 20082

tcgagcgctg cttccagcat ttaaagtact ttgctactga gggattgcgg acgcttctat 60
 atgcccaccg attcttagac gaggccacat atgcggagtg gagatgcgct taccaagaag 120
 ctacaactag tcttgtcaat cggcaggaac ggattgaaca gggtggccag caaattgagc 180
 aacagctcga attgaccggg gccacagcga tcgaagataa gctccagaag ggcgtcccag 240
 agacaattga caagctacgc cgagcgaaca ttaagctatg gatgcttact ggcgacaaac 300
 gggagacggc gatcaatggt ggtcactcat gctgtctggc caaggattac tctagccttg 360
 tgattctgga tcaagaaatg ggcaatgtgg aagagtccat ttcgaatctg acaaaggaca 420
 tcttgaacaa aacagttgct cactccgtgg tcgtgggcga tgggcagacg ctctcaatga 480
 ttgaagggga cgagaccctt tgcgccgctt tcttcaaact tgccattctt gtcgattcgg 540
 tgatttgctg ccgtgccagt ccgaagcaga aagcttttct ggtcaagtca attcgccggc 600

aggtgcaaga ttccggtgact ctggcaatcg gcgacggcgc taatgacatc gctatgatcc 660
 aagaggctca cgtgggtatt ggtatcacgg gtaaagaagg tcttcaggct gcacgtatct 720
 ccgactactc gattgctcag ttcagattct tgctgaaatt gcttttggtt cacggccggg 780
 ggaactacat gcgagcttgc aagtatactc tcggaacggt ctggaaggaa atgctcttct 840
 atcttactca agccttgtat cagcgatgga acggatacac cggtagcagt ctgtatgagc 900
 cctggagtct tagcatgttc aacacctctt ttacctcgct cgccgtcatc ttcttaggca 960
 ttttactaa ggatctctct gcatcgacct tctcgccgt tccggaactc tacaccaaag 1020
 gccagcgcag cgagggcttc aacatccgcc tctaccttgg ctggacattc atagctacgt 1080
 gcgaagccat gctcgtctac tttgtcatgt acagtctttt cggcaacgct actcttcacc 1140
 acaggcaaca tcaancgata tcttctccgc gggctcttcta accttctccg cctgcgtgat 1200
 catcatcaac aaaaaactac aggttctcga agtcacaaat aaaacatacc tctccttagc 1260
 ggtcttcac atctctgttg gcggctggtt cctctggaac atgattctct caagacaata 1320
 cgacttcaaa tcgggtgacg gcatttacca tgtccctggc aacttcctgc tccactctgg 1380
 tcacgatctc tcattctggg ttgtactact tataaccggt accgcgggtc tcatcttcga 1440
 gatcatcgtc gcctccctcc gcgcgaatat tttcccgact gatgtcgacg tcttccagga 1500
 atatgagaag gatctggata tcaggaaacg cttcgaagag gccgctgcgt cagagttgca 1560
 gcagggatgg gaccatggca agaagaaatc aagcttcgaa atcgcccgcg aggaagcgga 1620
 gatggaggcg cgcgagagac aggttgctga gtcctgggt aggccgagag ttatgagcga 1680
 tgccgctaag aacgattctt cgcgcggcgt tggt 1714

<210> 20083
 <211> 1714
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20083

tcctagggtt gatcctttta cttctgtttt tttttgctta caaagactaa taataccagc 60
 tactcggtat cgaatctccc cgattctctg atatgatgca agactatata accggtctcg 120
 tcgtcggcgc cccgtacctt gcttgcgcaa tcatcggtcg ctggctgacc gagccgatga 180
 atcgatactt tgcgcgacga ggaacgatct tcattctctg tggtatcgcc gccgtggcct 240

ccgtctggga aggtgtagcc aactcctggg tcaacctctt ccttgcccgc tttgttctcg 300
 gcctcggcat tggttccaag tctcaacag tgccggtcta tgccggcgag tgttcaccgg 360
 cacctattcg cggcgcgctg gtcattgcagt ggcaaagtga agtaccacga atagttagga 420
 tgcctgacca ttctaacgta atctagggtg acggcattcg gaatcatggt gggcaacatc 480
 atgggcgctg cattcatggg cgtggaggaa gacctaaagt ggcgggttat gctcggtagc 540
 accgtggttc tcccaatcat cgtttgcttc caggtctact tctgcccga atcacccgc 600
 tggctgattg agcacaacaa gatacccaag gccttcaagt ccttcgcgt tctgcgcaac 660
 accgacctcc aagccgccc cgtatctgtac tacgcgtatg ttggcggtcca actcgagcgc 720
 gagatcaaca aagggaagaa cttcttcacc atgttcctag agctattcac tgtcccgcgt 780
 aatcggcgcg ccacgctagc cagctggatc gtcattgttt tgcagcagtt ctgcccgcgt 840
 aacgtgattg cttactactc taccagcata tttttgaatt cgggatacac ggtacaagaa 900
 gccctgcttg cgtctatggg gacgggcatt ttgaactggg tttttgcat cccggccttt 960
 ctcaccatag acacatgggg ccgacggaac ctcttgctct tcacattccc gtttctttcc 1020
 atatggctcc tgtgggcggg tttctcggtt tggatcgagt cgaacatccc cactagtcgt 1080
 aaacgagtgg ccatggtcac gacgggaatg tacctcttcg aggtctttta ctgcctggc 1140
 gaggggcccg tgccgtttac ctactccgcc gaggcgttcc cgctgcatgt cggggaggtc 1200
 ggcattgtctt gggcgacagc cacaacgtgg tgcttcaatt tcattctgtc atttaacttg 1260
 ccgatgctgg agcgggcgtt taaaccgcag ggtgcattcg gctggtagc cgcttggtgt 1320
 ttgattggat ggtggctggt tttgctgttt gtgccagaaa caaaaggtag ctccatcacc 1380
 attactgacc ttatcctcac aaatgagtag attctgacac acttagaact cacccttgag 1440
 gaactcgacc gcgtcttctc ggtgaaaacg cgcgcgcacg caaggtagca gtcgcgaaac 1500
 gccgtctggc atttccgcac ctgggtgctt cggcacaac tcgagccgat gcctaaattg 1560
 tatgaggagc cggattcgcc gaccacgccg tcaccaccgg atgtggaggt ggagcccaaa 1620
 gtgcgctcag agaatgtgga gaatgtcggg gcatagctgg gcaagaccag cacgaaacag 1680
 aggaggacag aatcactaac agggcggggg cggc 1714

<210> 20084
 <211> 1716
 <212> DNA

<213> Aspergillus nidulans

<400> 20084

cagacaagtg ctgctccgtc ccggtcggat cggctgcggc ggtaccgata gaaacttcaa 60
tcagcattct tctcttccc gcacaaggtc tatcgccgct tctcttttc tctccttcac 120
tctcctctct tctaccttcc aatcctcttg ttgcccgttg actttggggg actgtcaaaa 180
tgtttgctgc cagaaacttc gctacccttg cccgccaatg cctgcgctca acgctgtgtg 240
cccccaatct tgcattctact cgtctgcagg taaatgcagc gcgctccgct tgcgatgaag 300
tcaagtgttc gtcaaatcgc tgacttttgt ctagtctcgc tgctattccg ccgctgccga 360
cgagcgggtt gctaagttca agggacagaa ggacactgat gtatgttggg ctattttgac 420
acttctcttt tcttttttcg ctcttgaagc ttgttccga atatcggcca tttctcaact 480
ggcgatgcta tgaacgaatc tgggaacaaa tctctattc ttggattgct gctaacctga 540
tattcgcttg gttctagga aaatacacgg tcactttgat cgaggggtgat ggcattggac 600
ccgagatttc ccagtctgtc aaggatatct tctccgccc aaacgtaacg ctctctctcg 660
tcgtcatcta gctgcgatgc tgttatacta agtcgccac aggccctat caagtgggaa 720
tccgttgatg tcaccctat tctcaaggat ggaaagaccg ccatccccga tgctgcgatt 780
gacagtgtcc gcaagaacta cgtcgcgctc aagggtcccc ttgccgtacg taaagccacg 840
tccgtcgcaa agcgcattgc taaatcacgt ccagactccc gttggaaagg gccacgtttc 900
cctgaacctt acccttcgtc gtaccttcaa cctcttcgcc aacctgcgtc cttgccggtc 960
ggtcgctggt tacaagaccc cctacgacaa tgtcgacacc gtcctgatcc gtgagaacac 1020
cgagggtgaa tactccggaa ttgagcacgt cgtcgttgac ggcgttgctc agagcatcaa 1080
gctcattact cgggaggctt ccgagcgtgt tcgttcgtcg cttccagta tgctcgctct 1140
atcaacaaga agaagggtccg tgtcgtgcac aaggcgacca tcatgaagat gtccgacggg 1200
cttttctca aactgcccg tgaagtcgct aaggacttcc ccgatgtcga gttcgatgcg 1260
gagctgctgg acaactcttg cctgaagatc acgactgacc ctaccccta caacgacaag 1320
gtcctcgta tgcccaacct gtacggtgac attctttccg acatgtgcgc cggctctgatt 1380
gggtggtcttg gtctgacccc atccggtaac attggtgacg agtgctcgat cttcgaggct 1440
gtccacgggt ctgctccga cattgctggc aagggtcttg ccaacccac tgctctgctc 1500

ctcagctcca tcatgatgct gcagcacatg ggtctcaacg agcacgctag ccgcatccag 1560
aaggccatct tcgacactct cgctgagggc aaggtaagta tctcgacaac ctataacttc 1620
gttgatactt ttaactaact tctttgtaga ctctcactgg tgaccttggg ggtaaggcca 1680
agactcacga gtatgctgac gccatcatca agcgcc 1716

<210> 20085
<211> 1717
<212> DNA
<213> Aspergillus nidulans

<400> 20085

ccctctaata cccttacatg tcattcctac acagcaagta ctcgacctgc taagcttttc 60
aatatggaag atccaagcag ttaccatcg ttgtatccgg gactctttgt tctatttctt 120
ctttactttg caggagatct catcgcaacg aggcgtgccg cacagagaca aaaagaccac 180
cctctcgtgg gtagcccgtc gtgggtggacg cctcgcttcg gtctaaacct tgtgttcgca 240
gctagggcgg ttgagatatt acagacaggt taccacaagg taagagcaac tccgttattg 300
aaaacctcaa caatgagttg tgcaacgggg atctgacaac cattgttggg ctgttttagtt 360
caaaaaccgc actttccagc tcatcagagg tgacggtagt gtggtgattc tgccgctgca 420
tttgatcgat gagctatcct cactaccaca atcagtggct agtagccatg gagcacttga 480
acgagacctc ctagggcgct acaccggtct cgatattatc ctactagtc gtatgcatca 540
caccatcgtc cagcgaaagt cacaccccggt cttgcagcgc ttacaccctc cctgcaagac 600
gaagtgtcgt tagctgtgca agaagggttt ctattctac tgaatggacg attgtcaaac 660
cttatcaaat tctagcacag gttgcagcga aaatagctgc gcgggcaatg gtgggaccat 720
cattttgtcg cgaccctaga tggctagata tctcagtcaa ctatactgaa agctgtgaga 780
gacctcaaaa ctcttggaa gaataagcag aggtgctctg gctaatacaa cgcagtattc 840
aggacgatcg ttatcctgcy actgttcocct ggggtggacac atccagtatt gagccgctgt 900
ctgccttctt actgggcggg caagcgatat ctccaacgcy caaagggtat ccttgggccc 960
aagatcgacg aattgatccg taggaatgat accggagagt ggtctccga gcggactgaa 1020
agcgacttta atgtcctttg ctggctgggt gaggcagcca agggtcgaga tagaaacgcc 1080
gaaacactcg cccatattga ggttctcctt gccttggctg cggttcatac aatcctatta 1140

cggttggtca atgtgctata tgatcttgta ggcacccccg cgctattcga ggagctaaaag 1200
 gaggagattc aagataticgg ttttaatgaa gactggaatt ttggctcata caataaattg 1260
 cgcaagcttg acagtgtgct ggcgagtgca cagcgctat ctccccccac aatcttgagg 1320
 ctgaaacgcc tctttctcca gccctataag ttacctcgg gcattactgt gccggctgga 1380
 acgtatgttg cctcccggg gatggcaatc gaaaacgacc ccttgcacac ggacaacccg 1440
 gaggaattcg acggcctacg cagctaticgg cgcacgaac agaagacggc aagcatgaga 1500
 cccaatccca aagatggccc acagttctcg acaattgaaa agacagtact gggatttggc 1560
 tacggcaagt cagcatgtcc aggtcgctac ttgcaagtc tcgtattgaa aatggctctt 1620
 gtcaaactgc taactgaata tgatttccaa ttcttaccgg gtagaagccg accgaagaac 1680
 tatctggtgc atgaatttct tttcccatgg ccatggg 1717

<210> 20086
 <211> 1717
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20086

tgcagacccg aggcagtgtt cccgtatttt ggcagaggt caacaacctt aaatacaccc 60
 ccaaactcca agtgcgcgga gtggaaaccg ccgtccaagc cgcacgcaag cacttcgccg 120
 agcagattag attgtatggt gataattacc ttgttaacct cgtgaatcag aagggaagag 180
 aggaacgtgt caagaatgcc tacgagcagc tgattcgtat cctgggtgtct tcaccaaacc 240
 aattgaccga ggcggatgat gaatcctcgg agaagctaca tgtcctggag ccggaccatc 300
 caaaaagga gatggatcgt ctccattacg tctactttga ctcccataat gagacgaagg 360
 gtctcagggt gcatcgtgcg gactgctaatt ggatcgctt atcaacggcc taaaccaggg 420
 cggttatttc cgcggcctag aaaaccggg tgctgctggt ggcagctcg aagcaagagc 480
 cctccaaagc agcgtcgtgc ggacgaactg catggactgt ttggatcgca cgaacgtcgt 540
 ccagagtatg ctcggtcgct gggctctaac gagacagctc acggaagcgg gagtcttcg 600
 tcccgagaa gcggcaaacg atgatcaaga gtctgaggac ttattccgta acatttgggc 660
 ggataatgcc gatgtagtct ccaaggcata ttcaggcaca ggcgccttga agactgactt 720
 cactcgtact ggccaacgga cgagagccgg catggttcag gatctgagca actcaatcac 780

tcgttatgtg cggaacaact tcctagatgg cccacgtcag gatggggttg atgttttctt 840
 gggggccttat cttcccccg gaaatcaactct gggaaatctc cggatctttg tcgacgtcgc 900
 gccgctcatc atccaatcta ttccatacat ttctgcgcgc ggccctcttta tgatcattat 960
 tgccctattc acacgacgac tccccgatgc agccgtctgg cccttgcgct tattcgctgc 1020
 tttctggctg ctaatttctg gctgggtgtgc tcgtttcatg cttgcacacg ggatgctcta 1080
 tgtgagtcgg tgaactagat atatactctt aagactgcta acaagatgct tcccaggtaa 1140
 actggccgaa gctcaacacg cccgccgcgc gctcagaagg ctatcaagat gcgcttatca 1200
 aggctcgcgc tgatccagtc atcgggcaac tccttccatc cagaagacac cagagaggat 1260
 atagcaatgc tcgccttggg ttcttggaag aaggaaagac caggatcgag tagtcgtatt 1320
 tcctgcactc atacctgcat tcttcccttt gcccttctt tctttcatct agtcccgtgc 1380
 tttggactcg tcatgctggg catattttgc atccattccc tttctcttgg cttctattat 1440
 tattcttcgg tgttttcccc cctctttatt aattcgtctt ttagtttacc ggtttccgga 1500
 gttatattat acgcgtagaa gtgtacaaca ccattctttt ttacatggca gcacttttaa 1560
 tggaaggcta cgaatcgat aactgccaac atgcacgtac actacattaa attaatactg 1620
 cgaagtgggt gtaactctca gtactcttaa gtcacgtgat atcatactcc gggactcttg 1680
 ttctgcttag agttgatcga gtcaatgcag cccctcc 1717

<210> 20087
 <211> 1718
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20087

cttatatgat acaagtgagg ctgacagtga ttgtgcaggt agacgtatga gtcattttc 60
 gactagcgag gtgttcacaa ttaatagagg catagtggcg gcttctacct atgttggttag 120
 ttttgatatc gttcgcgtac atcgacaaga caaacattgg tgaggacaag cagactggtt 180
 aacctatatg gatctgatat tttaggaaat gccaaaatcg aaggctctct cccgagtttg 240
 ggaatgagtg gagggcaata caacattgct ttggctatat ttttcgtgcc ctatgtcttc 300
 gcaggcacgt cttctgtcat atacatgcaa actccgctaa tttagctgca gaggttccca 360
 gtaatatcat cttaaaccat tgtaaaaggc cgtcagctca cttgggcacg ttgatattcg 420

tctggggtgt gattatgctc tgcacaggct ttgtccaaag cttcgacagc ttacttgcca 480
ttcggttcct gctaggccta ttcgagtttg tcccctggcg gtaaaggcat gtgaatactc 540
ttactaagtc ttaccaggtc cggcttttct ccaggcgcag tcctcttaat ttcgaaatgg 600
tacctccccg gagaaacgca aacgcgcac gccatactct acacctccgc tgcacccgga 660
ggcgcttct cgggtcttct tgcgttcgct attgccaaaa tgagcggctt tgctggctac 720
gagggatggc gatgggtagg tgctctgctc ccgtaggtag tctgtggact atagtaatcc 780
gagtgcagat ttccataata gaaggcttag ccaccattgt tctcgcaatt ctgaccttct 840
tcctcctcct tgactcccc tcgctgtcgt ccagctggct caccctctct gaaatacgct 900
tcctcgaact ccgccaacta gccaacagcg tccaaagtcc gcacaacaga aaaagcgta 960
actggtcagc catcaatagc gtcttaaccg attggaaaat ctacctctc atccttggaa 1020
gctggcttaa tgcgggtccc aattacgca tgaaattcac catgccgcag attatcgccg 1080
gcatggggtt cacctcggcc agggcccagc tactcaccat ccgccttat gcactcggcg 1140
ctttctcagc atttgattc tccatctttg cggacagata cacctggcgg atgccgttca 1200
ttgtcgtgcc tcagctagcg caagtcgttg cctttagcat actttacaca catgcggcca 1260
acatcgaaga aaacatagcg ttgtgttatt tcggcgtctg cttagcctgc ttcgggtatc 1320
atccatccat cctattctta agagctaate tgctaacatt tccgactgac agcatgtacc 1380
ctatcctccc cgggtgtcaac gcctggaacg tctccaacac accgcacctt gccaaacggg 1440
ccgtggctat cggatacctg atctgcatgg ggaatgtggg cggcctcacc ggtagcttca 1500
tctacaagca ggacgaagct ccacggtatg tgactgggta cggaaactcg ttcgcctttg 1560
ccgcggcggg aatcgttgcg tgtcttgctc ttgagtttgc cctcttttagg ttgaatcgaa 1620
gcaaggagcg gtttagtgaa gatgaggta gagaacgga cactgatagt gagctggagg 1680
agatggggga tagaagtcca ctattcaggt atacgctg 1718

<210> 20088
<211> 1719
<212> DNA
<213> Aspergillus nidulans

<400> 20088

atgaccatga tagatcttaa cccggacttg tccttcacag ctaaaagtgt ggcccttttg 60

cttttcatcg cactgggtct cctttatacc accatccagg tcgtctaccg tctctatcta 120
 agcccgtat cgagatttcc tggcccgcgc cttgccgccg caacaggctg gtacgaggcg 180
 tactttgagc tcgtccacaa ggggtggcga cagttcctgt ttgagattcg acggatgcac 240
 gaggtttatg gttgagtacg cggaatcaga tagcttgact cttgtactca ccagcacctc 300
 acaggcccca tcgtccgcat caatcctttc gaactgcaca tcgccgaccc ggcctactac 360
 agcaccctct acacctccac actaaatctt gacaaagcaa gtcacatcca gcaccgcttc 420
 aacgcgcaa cgcgcgctt ctcaacgccc gaacatgcgc tccacagacg ccgcgcgcc 480
 gcaatatccc cgttcttcgc gaagcgccgc atcgacgagc aggcgcccac gatccagtca 540
 cacgtgaacg tgatatgcca tcgtctaagt gaggagtacg caggcacggg caaagtgtc 600
 tgcgtcaacg agctatacgg cagctacgtg acgggtgtga taatgacgta cgcgttcaac 660
 cggtgccgc ggttcctgga agaagaggac ttcgtgtccg cgtttgggaa gagcatccag 720
 gggctcaagg agtttgtgca ctgggcgcag cagttccctt gcctgccgcg gatcctgcag 780
 aacgtgtcgc cggtgctcat gggcgcgctg ttcccagcta tgcaggcgag tctggtgttt 840
 caggaggtaa gctttacact ctctccattc aaatattctg ctgctggcgg actgacaccg 900
 ggaaggaaat gcgcatgcaa gcacacgccg tcctttcagg ccacggccaa aagggcacca 960
 tctttcacga cctgctcgcc tcagacctcc cccgctccga actcaccctc ccgcgactaa 1020
 aagacgaggc catgagcatc gttggcgag gtattgaaac gaccaagatg gccagcgtcg 1080
 ttacgacatt ccacatcctg cagaaccgc gcacctcca aaaactgcag gacgagctcg 1140
 acagcgcgat ccccgacccc accgctccgc cgtctctgag cgtgctggaa aacttgctt 1200
 ttctcgccgc ttgtatcaag gaggggattc ggctgggcta cggcgcaacg gggcggctc 1260
 cccgatctc ccgtacggaa tcgtacgct atggcgctg gagcatcccc gtggcgctca 1320
 tggtcagcat ggatagctac cacatgcacc atgacgagag tgtgtttccg gatagttacg 1380
 cgtttgtacc ggagcgggtg ctggacggg caagggggcc agatgggacg gggagcctaa 1440
 ataagtatct ggctcgttt agtcgggca cgcgcatgtg cgtgggcatt aacctggcgt 1500
 acgcggaaat cacaattgtg ctggcgaggc tgtttcgcgg gttcgtgatg gagctgtatc 1560
 agactactag gaaagatgtg gactgttacc gggatttggg ggggatggag gttgtgaggg 1620
 ggagtcgggg ggttagggtt aaggttgtgg ggaggagaga gtgagttctt tggcttgttc 1680

tgatatggct gcgttcact attgactatg tatgagtta

1719

<210> 20089
<211> 1720
<212> DNA
<213> Aspergillus nidulans

<400> 20089

cgactgaagt tgctctgcgg gttttctcta tgcggtttgg gtatgagaag caagatattg 60
ttcggaaatag gggctctcaa cttcacaccg aattcacttt tgactcttca gtcaagaaga 120
tgacggttgt ttacaccaat aaacaaactg gactcaacga agtctattct aagggcgccc 180
cagaagcgct cattcctagc ctcgacatta ttgacgagga aaaggaagta attcaagata 240
cagctgagag actggctgga gaaggacttc gcgtgctttg catagcgtac aagaaatctc 300
ctatggacga cgagtcgcaa atatcttctc ggaatatggc cgagtctaac ctaagatttg 360
ctggccttat agggctgtat gaccacccgc gccttgaaac agcagcagct gtccgcaagt 420
gtcagatggc tgggattaca gtccatatgc tcacaggtga ccatatcaga acggcgatgg 480
cgattgcacg ggaagtgggc atcctcgacc cgatcgtaa tgcaaagtcg agccgcctcg 540
tcatgacagc caaggaatth gaccgtctth cagatgccga tatcgacaag attgaacagc 600
taccgttggc tatcgacagg tgcagcccca ccacaaaagt gcgcatggtc gaagcaatgc 660
atcgacgagg ggcgttctgc gttatgacag gagacggtgt caacgactcg cctgcgttga 720
aacgtgctga tgtaggcatt gctatgggca agaacggtag cgacgtcgcc aaagaggcag 780
cggatatggt tttgacggat gacaatthtg cttcaatcgt gaaagctgtc gaagaagggc 840
ggcggctctt tgacaatatt cagaaggtat tttttacctg tgggaaattg gacacggcta 900
acttgattag ttctgatgc acttgttgat atccaacatt gcacaggtca ttctcttct 960
gattgcgctc gctthtaag acgaggcgga aactcaatct tccctctgtc gcctctggag 1020
atcctctggg ccaacttggc aacttcctcg tttctagctc tagggctagg tttggaggaa 1080
gccaaccgg atatcatgta ccgcccgcg catgatttaa aggtaggcgt cttcactcgc 1140
gaacttatca cagacaagat ggtatacggg agctttatgg gctgtctctg ccttgtggcg 1200
tttgcgagcg tcactctacgt ccggcacgca ccgcaagcat gggagacgac tgcaatgagg 1260
gatggaatag cacctgcggc actgtcttcg aagcacgagc tacgacttac gcaactctta 1320

cttttctgct tctcgtcaca gcatgggaag taaagcactt ctcgcggtcg ctattcaacc 1380
 tcgatccaga ccgatacccg ggcaaaactct cagtcttcca ttcaatctgg cgcaaccagt 1440
 tccttttctg ggctgttatt gcaggattcc tcatcgctt cccagtata tatcttcctg 1500
 cggtaaccg cgtgggtctt aagcatcaag gtattagctg gcactggggg attgtttttg 1560
 gctgcgttgc ggtttatctg acacttggtg agagctggaa agcaatgaag cgacgctttg 1620
 ggattgggtc tgggaagaac gcgacgtga cgatggcga tgcggagatg agggctggat 1680
 tgaggagcct gacaccatt tccctgagt ccaacgccag 1720

<210> 20090
 <211> 1721
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20090

ggccgctttg agtggaaacc gataaggtaa ggcttggtaa gaagcttacg aatggccacg 60
 ctgcctcagt ttcacatag tcacatctc ctctaaacgg agtattcttc acttttcttc 120
 ccactaatat ctcccctcga tctgcttcac ttttgatca ctcgctgtt tgctggttct 180
 tccttttttc cggcagtata tacattgctc tcgcgcgct caccgaagcg gagttctggg 240
 ccggcaccgt gtttgactac cgttatcaat gattccttga aacctccaat cgagttccct 300
 gaactattac ctttactac gccggcgatc tctgctcat agaattgggtc ttttgctatt 360
 ccgccaacc tcttgaggga taagccgctc acaattctat ccaatatggg cattgtcaca 420
 actcctcctt aatcccatcg cagtttttagc tcagtctgca gccgactatt atgtggaatc 480
 tttaccggg cccagaggg ccggttacta aagatgcatg ctgggtgagt ttacaccga 540
 gcccttttcc cgcgtcgatg caccgttaac cttttcttcc ccttcaaga catattgagg 600
 tagaccgga gcacaacgga catctttttt tctggcacta tcaaatcgg cacattgcaa 660
 atcgccagcg aacaataatc tgggtgaatg ggggaccgg ctgcagctcc atggatggcg 720
 cgctgatgga gattggcccg taccgtctga aagataacga aactctagaa tataacgagg 780
 gatcatggga cgagttcgca aatcttctct ttgttgatca gcctgttga accggtttca 840
 gcttcgcaa taccaatagc tatctgcatg agctagatga aatggctgcc caattcatca 900
 ctttcttga gaaatggtc gccgtgttcc ccgagtacga gcgagatgat gtatgtccga 960

acttagatgt ctgtcttatg atgtcttcta agctgacttg cgggacctga cagatctaca 1020
 tcgctggcga atcatatgcg ggccaatata ttccatacat tgcaaaagct attcaggatc 1080
 gaaacaaaga catccacgaa aagcaatcta gcagtgcgcg ttggaatctt cgcggtcttc 1140
 ttattggcaa tggttggata tcgccggcgg aacaatatcc ggcgtatttg agctttgcct 1200
 atgaagaagg tcttgttgag gaaggtagca agcttggaaa agagcttgaa actttactct 1260
 ctatctgcaa gtctaagatg gaaactggac ctaaaatata cataacggac tgtgaagctg 1320
 ttttgaataa gcttctggac aagactgtgg attcgaacaa ccaatgcac aatatgtacg 1380
 atattcggct cagggacggt tcttgtggta cgacctggcc accagacttg gtggatgtga 1440
 agccatattt acatacctat gaggtgattc aagcattgaa tatcagccca gagaaagagt 1500
 caggctggga cgaatgtgac ggcaatgtgg gggccgcatt tcggccgcaa aaatccgaac 1560
 catcagtcaa attgctcccc ggcttgcctg agtcgggtat cgaaatcctc ctcttcagcg 1620
 gcgataaaga tctaatttgc aatcacgtcg ggactgagca acttattagc aacatgaagt 1680
 gggcaggtgg tactggcttt gaaacatccc cgggggtatg g 1721

<210> 20091
 <211> 1721
 <212> DNA
 <213> Aspergillus nidulans

<400> 20091

tggaacggtg gcggatggat cctccctgtg ttggtcggtg gccacaagt ctttttaaac 60
 attgacaccg gctcctctga cctgtgagtg cctaaccctg ttgtgctgac cagcaat tg 120
 gtactaattt tgaagctagt tggacagcaa gcactttgat gcctgaggac cagcagaata 180
 ccgttactcg aggatccgtg tataatccta acaacagctc aacgtcacga gaggttgagg 240
 gatacacttt tggcctagcc tatgcagacg gatctggagc ttctgggcct gtgtacaggg 300
 ataccgtcaa cattggcggc gctatcgtac cggacttcgc tcttgggggc tgcgatgatt 360
 tgcggtatgg cgaaggcagc gacggcactc gcgacactgc tggaccagtc ggttctggt 420
 ttggcaaatt gaactccatt cgacceaac cgcaatgcac ccttctgctg gcttagagc 480
 cgtacattca agaaccatt ttcggcacag cattcaagct caacagcact gggttcatta 540
 actttggcta tgtagactca gaggcgtaca ctggtccctt cactgaagtt cccgttgcca 600

aactagttc gggcaacgaa ggccaatgga tgagcctagg tgtcagtttt ggatcaggag 660
 gtgatctctt catcgccgac ccgcttgaca tggactttga ctctggcact gcttctctat 720
 ctgtttcgtc ggacatagct gctgcctact gggcccttgt tgaggggtgct gatgactcct 780
 ccggttcttg ggaatatccg tgtggtactg agctgccga tctcgacttt gtcttctcta 840
 atgtcaccca tggtcattcc actgtgacga ttcttggtaa gaatctcaag aatgggtgatg 900
 gtaccacggg catgtgtggc acctggatgg atgtagtoga tggacgtggc aatgctggtg 960
 tccattcta catcagcaaa tacattgtct ggaaccaagc gaagcctagc atgtctttcg 1020
 ctgatcaggc caattgatag caggaaggca tctccggct tgttgctctg catacttcta 1080
 tatactctgc tatctaacia ctacccatc tcttatatat gcgcgcgaaa aaaaaagcc 1140
 ttgtatcatt gaaagttcaa agcgtaatgt gaagtccgta aattaagtgt cccgacgtgc 1200
 tctgcagagg aactcgtgg cctgaggtat taactactaat cctcttttgt cgggaagtgg 1260
 ccaacgcgac cccaacgcga ctgagattcc gagatccatg cagattcatt cattgagctc 1320
 ggtttgaaaa atcaagaaaa ttccacctca aaaaaacggc tttaaaaagc ctctcatatc 1380
 aatttctctc atcgactac tccgaataaa caacccccca cgtcttcgtt ctctctgaac 1440
 cgcgcggtcg tgaatcgaga gctcctcaa catgtgtgct tcaccgaatt cgtccgtccg 1500
 cccaaaatgc tgactgtgat tccagggaga gctttgacaa catctaccta gacctctcaa 1560
 atcagcctgg caagtgcaaa cttgctgaaa ctgggctagg ttggcgacct tctggcgggc 1620
 gcgatacttt cacactcgat agcagcaaca ttggcgcggc acaatggagc agagcagcga 1680
 aaggatatga gctaaagatc ttatcgcggt catcggtgt t 1721

<210> 20092
 <211> 1723
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20092

ggcgaccaga agcccgaac gtacgtcaat gcactctgtt ttctgttga cgtgtctcta 60
 acagcggttt ttcagctctg gcctgcgaaa gaaggtaag atcttccagc aagagaacta 120
 caccgagtcc ttccttacca gtatcttctt ctcgatccct gagggcgctc aggacgcttt 180
 cctcgtcatt ggtggcgatg gtcgctacta caactccgac gtcattcaga agatcgccaa 240

gatcgggtgcc gcctatggtg tgaagaagct catcgtaggc cagaacggca tcctcagtac 300
cccggtgcc agcaatctca ttcgcaagag gaaggccacc ggtggcattc tcttgacggc 360
tagtcataat cctggcggtg cgacactcct agacaccgag tgaacttctc agctgactgg 420
ataggccccg ataacgactt tggatatcaag tacaatctca ccaatggcgc gcccgccccg 480
gaacagggtca ccaataagat ctacgaggtc tcgaagtccc tcacctccta caagtacatc 540
gacctccccg aggttgacac caccacagtc ggcacccgca gctatggccc cctcgagggtg 600
gaagttgtcc actcgaccga ggactacgtc tccatgatga aggagatctt tgacttcgac 660
ctcatccgca gcttcctcaa gaagcacccc gatttcaagg tctctctcga cggcatgcac 720
ggtgtaacag gcccctacgg catcgatatc ttcgtcaacg agctcggcct tccctccagc 780
agcaccatga actgcatccc caagcccgat ttcggcggcg gtcaccocaga ccctaacctc 840
gtgtacgcgc acgagctcgt cgaggccgtc gacaagaacg gcatccactt cggcgccgct 900
tctgacgggtg acggtgaccg caacatgatc tacggcgcca acaccttcgt ctcccctggc 960
gactctctcg ccatcatcgc tcaccacgca aagcttatcc cctggttcca aaagcacggc 1020
gttgacggcc tcgcccgtc tatgccacc tccggcgccg tggaccggt cgccaaggcc 1080
cagggcctgc agagctacga agtcccgaca gggtggaagt tcttctgcaa cctcttcgac 1140
aacaagaaga tgtccatctg cggcgaagag agctttggtg ccggctccaa ccatatccgt 1200
gagaaggacg gtgtctgggc tattgtcgca tggttgaatg tcatcgccgg cgtcgccgag 1260
cagaagccca acgaaacacc tagcattgct tcgatccagg ctgagttctg ggaaactgac 1320
ggccgcactt tcttcaactc ctacgactac gagaacgtcg attccgacgg cggaacaaa 1380
cttattgccg cgctgagcga gaaggctgtc gacaacaaga gctcatttgt tggcagcacc 1440
atctctggcc gaaaggctgt tgactctggc aacttcgcct aactgatct tgacggcagc 1500
gttaccaaga accagggttt gtatgttaag ttcgatgacg gcagccgtct ggttgtgct 1560
ctgtccggga cgggaagcag tgggtgctacc atccggctgt acgtcgagaa atatgagggc 1620
gataagagca agtaccagat ggctacgcaa gattacctca aggataatgt tgggttggcg 1680
ctggaattgc tcaagtttaa ggagtttgtt ggccgcgagg agc 1723

<210> 20093
<211> 1724
<212> DNA

<213> Aspergillus nidulans

<400> 20093

ttgacaagtc tcactattgg gtatgtcggc catatcacat actcagtacg acatgtaata 60
gctaacgccc acggaacga agacttgcta ttgccgtatt tctctcctcg cttgacgcaa 120
ttatcgtcag tacctctctg gcagccatcg cggaggacat gcaggctttt gacaagagta 180
gctgggttgt ttccagctat ctgacaacct acttcagtac aatccaacgc gtgcatcgca 240
agaagcatga tactaacgct accagggttc ttaataatat gggcaaactt tagcgacctg 300
gtaggacgca aggttatgct catcactgca ctcgatcatc ttcttggttt ctccggtggc 360
tgccggcggg ctcaaactat attgcaattg taagtaaaga ctagctgaat gagactcttc 420
taacagaagt ctttgacaga atcatcctac gtgcgttcca aggagccggc ggcgcaggca 480
tattcagcat ggtgcccatac attacagcgg aaatggtgca tcccgacaaa tatgcggtgt 540
acaacgcaa catggcattt tcaatcgcat tgagctttct tctcgggccg ctcataggcg 600
gtgccctcgt agaccatacg tcctggcgct ggattttcta cataaatctc cccctggtg 660
ctgtcgggat cttactggta tggttttcca tgcccgggtc gtttcctgat ctatcgatgc 720
ctacctcact ctggaatctc ccaaagaatg tcgacttcca taggagggtta gattaccctg 780
gtttcgggct tcttctggct gcatccattt tcctgattgt ggctattgaa gaggcggcgg 840
tgttgtatac gtgggataat gccgtggtaa ttgtgctcct tgtgctgtcc tttgttctgg 900
tttgccgctt tctcacctgg atctgggttc ttcaccgcag cgactctttc agagagcccg 960
tctttctctg ggaatttgtc aaaaacaggg tatttatggg aacgtgcctg tacgtggccc 1020
tccctaacaa gcataagaga tgagagcata ctactagga aataaggatg accctcctct 1080
ctggtgttcc tttgtaacg ctcgctcctg aactccctgg ccgctttcag atcctcaaca 1140
acaactcagc ctttgattcc ggcattcgca tcttaccact gacattgaca atcgccatat 1200
cgtcagcttt ggcaggagga ctgaccgctc gaggcgcgt accccggtt gtcgtgttct 1260
ccgccgcgcg cgcatgcaa atcgtcggac tgggcttgct gtactcgtt cccacagact 1320
caccactgag cgcttctcta tacggatacc agaccctcat tgggacaggc gtaggcatga 1380
gtcttgcaac tgctatattg acggtcccgt cgctcgttag ggagaacggg atgtgtaagt 1440
gcccgtcctt cccctatac caagatagac ccataacttg ctaccccgac taattgtaag 1500

cagccggagc actgggaagt atagtgcaat ttcgagtcct cggcggcgca gtcgggctat 1560
 ctgttgccac gaacttgctc aacaatgctg ttcaagaccg actccagggc cagattggtc 1620
 ctgatgtgct tcatcgatc atggaagata tttcctccat ggtatctctc ccagattcta 1680
 ctcagatgtc tatcagggat gcctttgcgg atggctatca gcgc 1724

<210> 20094
 <211> 1725
 <212> DNA
 <213> Aspergillus nidulans

<400> 20094

ccgcgacgcc aggcaaatac ctcagctgga caagcgcata catcctcgta gtctcacggg 60
 tcatcggcag cggcatcttc gcgaccccg gctcgcgt aaagtcatca ggcagtatcg 120
 ggctctcgct tttgctctgg ggcgcggaa ccgtccttgc ggcagtgtga atggcatat 180
 cgatggagta cgggtgcatg ctgcctcgtt caggcggcga taaggatac ctcgagtata 240
 cctaccctaa acctagatac ctggcgtcta cgctcgttgc tgtgcaggcc gttctcttgg 300
 ggtttacggc aagcaactgc atcatctttg caaagtacac ggtggttgcg ttcggcggcg 360
 caccacaga gtcactcat aagctctttg cgacgggtct gctgaccctc atcactattg 420
 tccacggccg gttccgtcag acgggcatct ggatccagaa cgtgctggga tggctgaaga 480
 tcttctgat ctcacgatt tccctgacgg ggatctgggt catcctcctc cggccaagtg 540
 gaattgagag cggtgccggc gctgcatctg cggcaatgga tcagggttg atgaactggg 600
 ataccctctg ggagggctca aactggagct ggaatctcct ttcgacctcg cttttcaagg 660
 tcctctactc gtatgccggc ctgaataatg tcaataatgt gcttggcgaa gtgcgcgac 720
 ctatccgcac actcaagacg gtttgtccg ccgcactctt aacatcggcg gcgctgtatt 780
 tgctagccaa cctctcgta ttccttgttg tcccgcttaa cgagattaag cagagtggag 840
 agcttggtgc ggccttgctt ttcgacgtc tgttcgggcc gcgtgtagga ggaacgctgt 900
 tcccttttgc tatcgccgtc totgcccag gtaatgtcat ggttgcaca tttgcgctgg 960
 tacgtcttat ctactttga ttttcttttt ttcacctca actacagtcc taaagaaagg 1020
 gagaacaggc ccgagtcaac caagagatcg ctccgcaggg cttcctccct tggggcgacc 1080
 tcctctctc atcgaaacca ttcggcacc cctctgggg cttgatagt cactacatcc 1140

catcaatcct ggtcataacc ctcccacgc aaggcgacgt ctacaacttc atcctagatg 1200
 tcgagggcta ccgggtacg attttcggtc tcgccatcac agtcggcatg ctgattctgc 1260
 ggtatcgga gccgtacctg acccgccat tcaaagcgtg gttaccgct gtttggctac 1320
 ggatcggtgt gtgcttggcc ctctgggtt caccgtttat tccccctcca gggcacaagg 1380
 gtgatgtgga gtttttctat gcgacgtatg ccgttgctgg gaccggagtg tatgtccatt 1440
 catcttttgc attctcattc ttcctcgtag gttccgaagt gatgctgact gatcatgcag 1500
 gcttgccctt ggagtgattt actggtagct gtggacagtc ttgcttccca gatggggcgg 1560
 gtataaactc gaggaggagg agaaggtgct ggacgacgga acagctgtta caagattggt 1620
 aaaggtttga gcattctgtg acattcctac tacatttcat aggcgtaaac tactttacta 1680
 cgggtcatta ttattttcat taatatgtcc atacggagat cgctt 1725

<210> 20095
 <211> 1725
 <212> DNA
 <213> Aspergillus nidulans

<400> 20095
 cgaataaacc gcgtcactac taccctaaca gcgaacacta ccagcaacaa ccaccccaaa 60
 cacctcctgc ctttccgcag ccgaacctgg cgcgagccc tcaactactca cacgcacctt 120
 cgcccttgcc aggcgctctg cctccattga atggcggcgc acccaagcca gcacatccat 180
 ccgatccttc gccgcaatac caggcacact cagctgcagg gactccacag taccctcttc 240
 cacggcctta ctccggtcc ctgttaccgg ccagtgaac atctccatac ggtccttcta 300
 ctcttcaca tgctcaccgg tccagtcgac cagatagcca tgctcatgtg tcgcctaaaa 360
 aagagccgga gtcacacttt gcagtgaacc atggagcgc tcggtactct gtgatgcgcg 420
 agccacaggc ttcgcctcca aaggaagctg tacgttcttt tcgaccattt atctctctcc 480
 tcgctgttgc cactcttttc tttctgatgt taacatgttt cctttcacta cagaaacctg 540
 cccgtgccgc ggaccccatg tcgtttgcta gcattcttcc gggacccacc gaggagcaag 600
 ctctcccaa aatacagtct cctacgcctg gactaggtag aattcattca gcggttccag 660
 ccgccaatgc tacaagccta aaccctccac cggcttcttt tcatcctaaa gtcggagaca 720
 ttgagcctgt tctctccgtc tcggctccac gattggagaa gaaacctagc gcggataaac 780

gccaacgtaa taccgagaaa gaagacctga aaagcgccga gaatccaacc aacgggtgtga 840
cggaacctcc caagattctc cgccacctc gcaggattat gtcagaaaag gagacggaaa 900
tggtgaacaa atacatggtc gagatcgata atgcagagaa gagtgatgtc gaagccccag 960
gatttgaaca agaacgtgaa cgctatatc tcaaaggaaa gaagcgcgcc ttagatgttg 1020
aacgtgccga gagcatcagg cgcaaggtat gcttttatca accctccagc catttatgtc 1080
tgacatgtat ctagcgctgc cgccacgatt atcttcttaa actcggaaaa tcgtttgaga 1140
aacaagctaa cgcgggtatg gatcggttcc gatacgcaaa cgaagcctca gtcatttccg 1200
aagttcaagc gaaagaaatt caggatgaaa aggaacgcaa gaaggatatg cagcggaaac 1260
gccgaaggga gaacacagtg cgaatggaaa tgcagaagaa gtcgaagca gagcttaaag 1320
cgaatgagac ccaggactct gccgagaaag ccaaattctt acgggaagcc gaacggggcg 1380
aaaggaagat taaaactact aaacgggcct tggaaggcgt cactgaaccc gaagagattg 1440
gcgaaattac ccatttggct cccaacctgg aaggaggtat aaccagttcc ttacacattg 1500
gccgaagctc tccgtcgagg cgcaaaaccg gacgcggtgg tcccgttaca cgccgaaga 1560
agtcaaagga gcagaagcaa gccgaaaagg atgtgctga agctgcatat gccgctatgg 1620
agaacgacga gcccttgctt cttgctccca gggaagaccc acgaaaggag tccctcaaga 1680
aggatgccaa gggtggtcgc tctaaggaag ccacccagtc tcccg 1725

<210> 20096
<211> 1727
<212> DNA
<213> Aspergillus nidulans

<400> 20096

acgaacattt gcgccacacc ctctgcaag atgtcgagtc actacgaaaa caggagcaa 60
gcgctggaga agtccttgag atagtgggag atgtgacgga cttaaagacg tcaacggcac 120
tgatcgatga agcagtcaag cgctggggaa agctggacgc ttttgctcgc aatgcgggtg 180
ttttcaggca ggctgagctg ttcgagtata ccagaccttc tccactgtg cgagatgcga 240
catcactctg acagtcatag actcgagccc gatctcctca accacagcct tgatgtgaat 300
gtgaaaggca cttctactc gtgccgggtc gccgcccgc aaatgggtcaa gcggggccac 360
ggaggctcca tcatcgccat ctctcggtg agcgcgctag ttggtggtag gctacagacg 420

ccctatactc ccacgaaggc ggcagtactc tcaactcatgc aatctagggc tatcgacta 480
 gggaaacaca agatccggtg caacgcgctg ctgcccggga cgatcatcac gcaactggca 540
 gatcacgata taaaagatcc agcgaagaag gcgtatctgg aagcgaggat tccgttaggg 600
 aggggttggc agccggaacg atgacagggc cagcagtgtt cttggcgagc gaggagatga 660
 gccggttcgt caattggagt ggcctgctgg aggatggggg aatgttttgt aacctgcagt 720
 agttgtaagc atagttgatc tgaatgcaat tgtccaacaa accttggtaa tcccgaattt 780
 gaatataatc caggtcaaga atgattttca cgacctcac acattattag tgtaggaggt 840
 aaatagagct aacagatcct cacgggggca ccaaggagaa agtgcacctt ccactttgat 900
 ctatcatctt cttactttta ttccagtttt ctcttctgcc tccaacaatg gtcttaggag 960
 aatgaacact aaccttggtc gattctcgag tggtcgaaaa tctcgtggtc gcggattgcg 1020
 caccaagacc ggctggatatg tgtcgaatct gctttgtctc ttcgttatcc gctcgtgttt 1080
 ctatcttccc cggttaccta cctttcatga ctaagaagag aacagtgtaa cttgtcgcaa 1140
 gaggcacctt aaatgcgacg aagtcaaacc tgtttgcgga catgggtcaaa gtcagccctc 1200
 agtgcgacta ctctcgatcc tctcccacc acctgccga gcaaccgcc gaagacgagg 1260
 ccatccagtc atctccaaac acaaatacta cagcccagtt tattccttca gtaccagaaa 1320
 caggcaccga taacgtggct ggtgtatcgc ctgcggaaca gccggattct gccgtccttt 1380
 cgtggaccgg tcatagccaa cctgccttc atccactcga tcagctagca gccattgtcg 1440
 caattgacca cacttctccc tttgctaata gccttacagc accgcagtat tctcctgata 1500
 ttccacagtc ggtgaccatc accatcgagt cccccggacc agctataaat gccgcaactg 1560
 tgcgatgggt cgacttactc gccaatgatg ctgtccgcga aacccccaga tctcgagcgt 1620
 attcggctcc ggtcaagagg tattggagga tgcggatgaa tcacagatta cacctttaca 1680
 gcgtgccaca cgtatagggg atcgaacca tcttaatgaa gagggcg 1727

<210> 20097
 <211> 1731
 <212> DNA
 <213> Aspergillus nidulans

<400> 20097

ttt gatagaa cgagacatac aaacacgccg acaaagacgg tcaattccga cgtaaagact 60

cggtcttttcg ctctctgggta tcagcatccc ctgacgctga cttccccgcc gaaaaggacc 120
 gctatgtgct atacctaaat tacggatgtc catgggctca caggacgaac atcgtagct 180
 ccctcaaggc cctcgaagac atcatccagc tagtcgtctg cgacttcgaa ctgggggtccc 240
 aaggctggtt tttctccgaa tccggacgga acgggtcagc aaagaaagac ccgctgtatg 300
 gatttacgac gatcagccag ctctatttca aagcagaccc ggagtataag ggacgatata 360
 cgattcccggt gctgtgggat aaaaagaagg agacgattgt aaataatgag agcagtgaga 420
 tcattcgcat gttctacacg gagtttgatc acttactgcc cgaggagcgg cggaagtga 480
 atcagcctgg tggcgggctg tatccccctc acctgagggg tgagattgag gcatgaacg 540
 agtgggtata cgaccgcac aacaacgggg tgtataagac aggtttcgt ggcagcagg 600
 aggcatacga ggcaagcctg caccgcctt tcgaggcgtt ggaccgcac gaagggcacc 660
 tcgcccagcc cgggcaccag ccgtatctct ttggggagca tatcacggag gcagacgtgc 720
 ggttgatata gacaatcgca cggttcgatg tggcatacta cctaattctc aaatgaacc 780
 tgaagatgat ccgacacgac taccgcctga ttgacgcgtg gtaccgacgg ctgtactacg 840
 acgagtcgga gaagacgcgc ggaggggctt ttgggaagac gaccttcttg ggccttgtaa 900
 gtcgacgggc cattccatcc tggcgcaggg acttgacacg acagctgaca atccaacagt 960
 acaaattcgg ctatctggcg gcgcttggca agaaacaaag cgttgatagc tcccagctga 1020
 ttgtgcctgc tgggcaaag cccgatatcc tgccgcgtga cgcgtagatc cggtttacta 1080
 tcatccaccg gcttattttg agttgtaaac ggaatttgc cgtctccttg cagttacgaa 1140
 gccctgcggc ttgttagcgt aatgcatagc gtgtggttcg tcatccaatt cccttacatg 1200
 gcaaagtaat ggcacgtcat tcatacggcg actccgtaga agatctttgt tagaagatgc 1260
 tgctgcgctt gagcacatgg ctctgccgtg tcccgagagt atggaagctc ggcgagatcg 1320
 agcaccatcc gaggaggcac tataggtgtc tagtgaccac aacaccgtat tccaaacggc 1380
 ccggcagact ttaattgtca gtatacagc cccattccgg actatcgaag tcagtaggcg 1440
 agttaattcc gaagacgaga cgttggataa gtataacttc ggtaggataa atgccggatg 1500
 agtcagtcac caggcttgtg cggggcgggc agcggggctt cattgatcca taccagtac 1560
 acagttcagc tccccatcc ctgagtttgg tacgagcgt ctctgaatc ctaactctat 1620
 gatccgctta ggtcagtcgt tgagtgttaa ctaccacag agcgaggcag tgcttaacca 1680

ttcgggattc agagacgaat agagccatat gcacgtctcg ctcaagccgg c

1731

<210> 20098
<211> 1732
<212> DNA
<213> Aspergillus nidulans

<400> 20098

gccatgggcg gatttgagca ttatcggaat tgctggcagt tccggctctg gcaaaacgtc 60
tgtggcaatg gaaattgtga agtcactgga cttaccctgg gttgtcatcc ttgtaatggt 120
atcatgaaca agcttctctt actagaaatg ggccccaata tagctatctg atttatgagg 180
tctaacgcgt tgcaggattc attctacaag agcttgaacc cggagcagca tgccaaggca 240
catcgcaacg agtttgattt cgacagccca gactcgattg atttcgacgt cttagtgcag 300
tgtcttagag atctcaaaca agggatatag agccataatc ttttgactcg tgctgcacca 360
gtcgtcgata atccctgcta cttttcctgg aactgacgtt ctttgcctac ctgaaagaaa 420
aaaggtagac atacctgttt attcgttcgt cgaacaccaa cgtcaagccc ataccacccc 480
cctctattct ccccatgtct tgattttaga agggatcctt gcattccatg atcccaggat 540
tgtggagctt ctagacgtca aagtatgctc cccgttatca ttagggagat tgtcgcgagg 600
cttacttgta tttcaagatc ttcgtagaag ccgatatgga cgtctgttta ggccgtagag 660
gtaagtaacc cggtgattaa cgaccggtag ctttctgacg gcagccaaat agtcctgcgt 720
gatgtcaaag aaagaggctg agatattgat ggaattatca agcaatgggt caactatgtg 780
aagccttcgt aaaaaaagtt tgttgagcct caaagatcgg tctcaggtaa gcatgagttt 840
cttcatttat ccaattttaa tgggtatcta tgctaaacaa tattatagat attatcattc 900
ctcgagggat cgaaaataaa accgcgattg gtaacagccc cctcaaccaa tcttcttact 960
gctagtctaa cgagcaaggc atgggtgtac aacatattca acgcatgctc gaagaaaagt 1020
ccgagaggca cagtgcgaacc ctccaagagc tccggcgcat tacattcgaa gaacagttat 1080
cacagaatgt tatcatgatg ccgcaaagc ctcagtccat tgggatgaat actatcctcc 1140
agaatccgga gacggagcaa gtcgaactcg tgttctatct cgacagggtg gctgctttgc 1200
tgattgaaaa gtacatccta atatccgact cgagccattc gcacggtatg gctgacagca 1260
ggatatagggc tttagattat acttcgtacg cacccaaaga ggttgaaacc cctcaacata 1320

acatgtacag tgggttgaag caggaaggca tcgtatcagc ggttgctatt ctgcgaggag 1380
 gctcatgtct agagaccgct ctcaaacgga cgattcccga ctgtgtcact gggcgctgc 1440
 tcattcggac taatgagacc aaagaggagc cccaactaca ttaccttaag ttgccccag 1500
 gtatcgaaca gcattcgaat gtcattgctt ttgattccca gatgtcgagt ggaggtgcag 1560
 ctttgatggc agtgctgtg ttgattgacc atgggtgtgc ggaagacaga atcatttttg 1620
 tgacttgccg agctgttcag tcaggcgtca agcgattggc cgccgtttac ccgcatgtca 1680
 agctcattgt tggacgtatt gaagaggaga gcgaacctcg gtggatggag ca 1732

<210> 20099
 <211> 1738
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20099

cccgagtctc ctgctgggt gagtagccac cgtccatcca tgcataca gcggtgacga 60
 gccagctcat cgcccatgac cgccacgccc acgcccgtca ggctcctctgg tctgtccagc 120
 ccaatgccc attcatcaac caagacgacc ccgtaatcaa catggagatg gcggagatca 180
 ctgagaccat ggctgaagag cggaagcgg ccgagaggg ctcttttaaa aggtcctca 240
 cggaaggacc gcagcgggtc cgcatcgga cactgttggc tatgggcggc cagatgatgc 300
 agcaactgtc gggcgtgaac ctattacct actataacac cgtgatcttt gagcagtcgg 360
 tcggcatgac gcataacctg gctctattgc ttgctgggtt caatggagtc gctactttt 420
 tgtcggcatt tgtgcctgtt tggaccattg accggtatct gtctaacctg cctcctcctg 480
 ttctgcctat cctgttacct tgaaagctga tcaatacaga ctggccgctc gcaaactgat 540
 gctctttgct gctgctgggc agtgcgcctg catggctatc ctggctggca ccgtctatga 600
 cggtggtttc tcggccggta ttgtggccac tgtgatgctc ttctgttca actttttctt 660
 cggagtggga atgctcgccg tcccgtggct gcgtatgctc ttgttttata gctccagatc 720
 cctaattaag actgactgtt tttctatagt ccagccgaa tatgctcgtt tggccatccg 780
 aactcgcacc gctgcgttgg cgacggcaac aaattgtaca atccgactat tgcccgttcc 840
 aggtcatttt ccaggctaatt attaatagg atcttcacct tccttgctgt cgaaatcact 900
 ccagtcagca tttccagcat cggctaccgc acatacatct actttgccgt cttcaacttt 960

tgctttctgc cgatcattta cttcctctac ccagagacac gtaatctcac cctcgaacag 1020
 atcgaccgcc tcttcacggg cgagaagggtg cggtgcact gggatgcctc gatgggagtg 1080
 gctggtgata cggagcatcg gctgcaggag aagatgggag acgcagaggt gcagcatgtg 1140
 gagtgatgct atattcttcc ccgggtagat attttgcggc agtggcaaca gaactgactc 1200
 gttaagtggg taactctatc tctatttctt cagatcttga ttttttatgt ttattttttg 1260
 tctctcacta ctcttttggg atcggacatt gtccgactat cctccgttct ccactgcgct 1320
 gcgcttgccg actcctgaac aggcaaattc tcttcgtgca gtgcattgca ttacattctt 1380
 aagtaattct ggatttccat gtgttgggac ctcttttagac aaaaaggaat ctgtctcatc 1440
 ctcttgatgt aatgttatgg atatcaatat gaatcctgct gagcatgagg actcttcccg 1500
 ttctataccc cgcaagcgga ctgcaccgg ctgtgtgaat tgcagtcggc gcaggagaaa 1560
 atgtacgttg gaactatgta gaaggtagta tgatgcgctg acaatatagg cgacgaggcc 1620
 aagccaactt gcacggggtg taaacgtcga ggggaccgct gccagtggcg cgtctatggg 1680
 gcatttcgcg atgccaacat caagggtgctg gagccagggc atccgtcgat gagccagg 1738

<210> 20100
 <211> 1739
 <212> DNA
 <213> Aspergillus nidulans

<400> 20100

gcttctacgg aaggactcct catctacagc ctggatacgg aattcctggt cgaccogttt 60
 gatctcgata tctctattac cccggcttcc attctttcca ccgtcgaagg tgcaaagaag 120
 gctgctgcca cggcgatgc gaacaacgac gacacttact tgaaggcgct tgtcatggcg 180
 ttccgtctca atgaagccaa gctcatacgt gccgttcacg aagctatccc tccctcagat 240
 attgcccatt ttgtccgctc tgtaccaacc gtatacctcc ctcgctcttct ccgatacgtc 300
 gccacgctt gcgaagagac gccgcatctc gaattcaatc ttctgtggat cgagtctctg 360
 ttcagtagcc atggtcgata cttgaaggat aacgcagggt cactgggtcc tgagctccgt 420
 gctgttcagc gtgctcttga tgatatcaat gaaaatatca aacgcctctc ccagaagaac 480
 gtccataatc tcaactacct tctcgetaag cctgtcctga ctgggaggaa agcccccgcc 540
 ctccccaaag cgattgacac tcttgatgcy gccgccacta atggcgatgc tacaatgagt 600

gatgccggca ccgatgcgga gggcgaatgg catggtttgg aatgattgta tgtcagcttc 660
tctatacctt tctcttctct gattctttgt gttggacatc ctgcctcatt ctttgcattt 720
gcgcttgggc tttcataccg tgatgctata taccttagaa taaactggga cggctaaaag 780
ttctctgcc ttttgtgtac atacgctatg taataacagc acatcccact ggggtattctc 840
aatttctcca tgtttattca agtggttctt ggacgtttct tcgatgaagc acaatttctc 900
gattttaaaa gctctaggtg agatgaaggc ggctcttcc gatgctgttc tcttgctggc 960
ttcaacacat agcaaccggt aggaatcaag ctactgcatg ttataatcat ttccagctct 1020
actctgtcct ctcgggggcc accgtcagtc atttcaacaa aggccatcct ggtttgactt 1080
gcatggtggg tgggtgaatgg aacagtccac gctaacccta aactgtgcat ctgtaaacag 1140
gcctctatac tcattcacct tcaacttcat tatttctctc cagctaaaga ggtaatcaag 1200
gtatatagca gtcttcattg ctttctctct atctcttttc ctctttttct ctccacctgc 1260
tccttccacg ttcattctgt actgttcatt ctgtactgtt atatccatag ccgttggcct 1320
cttcccgcac tatcaaagaa tcgacttggg tagtgtcatt ctggtttgag attgttcacg 1380
atgtcccca tggctccttg cacttcgttg ctggtcttgc ttgctgggt tctctcgaag 1440
tctccactg acaccacccc tgtaaatgtt cctactgtga cgctcggtcg ttttgtccct 1500
tgttttgttg accgtctgct gttctgcgcc aagggaccgt ttctcatata cgatggctat 1560
aagaaggtag gatttgagtt gcctttctga cttaccacg agcataactca cctgttgccg 1620
ttagtataag aacgttccgt tccgagtcg caaagtcgat acggatctcc tcgtctccc 1680
agcaaagtat ctagaagaga ttcgtcatct tctcacacg aggtcagtc ttctggacg 1739

<210> 20101
<211> 1742
<212> DNA
<213> Aspergillus nidulans

<400> 20101

ccggaaagca aaaggcccag aagatgtccc tcgggaactt cttggctgat gagagtacgc 60
ttcgaaattc gagactcccc cgcgcacaca tacatggcta actaccgtag actttggctc 120
ttgggcccgat gagatggagg acatgccctt gcctggtaag tgtttattca ctattgtttg 180
gtatttgatg gccttgactg atgtgaatgc tctatagccg gtaagcgacc acttcgcgca 240

gacgcacaca ctgcccgatt gccagatatg tctttttaac actccgcagc tcccgcctccc 300
tccagctttg gaaccgacaa aagtccccct cctgcgtcat ctgctggttt cggcggaccc 360
agtttcaacg gtacgacccg ctacttggtt tggcgagaaa tatatgtgta ttaactgggtg 420
aaagaccgcg gttttgctat gagggagccc cttcccctgc ctacagagcc tccgtacacc 480
gctcacattg gaaatctgtc ctttgatgct acctcgggcg atatctccga ccttttcgct 540
gattgcggcg ttacgaacgt ccgtattgtg gaggacaagt tgacaaaggc tccaagggt 600
ttcggttacg tcgaattcga aaccgtcgac ggtcttaaga aagccctcga cctctccgga 660
gcgactcttc agggcagatc gatccgcgtc agcattgcag agcctcgat gttgttcccg 720
agcatatact tgtacatggt actaacaggt tacagccaag gaacgtgatg tgaaggaact 780
tgactggacc cgccggggcc ctctcccaga tgttgctcct ccgcgccgag tgccggatcg 840
cgctctttc ggtcgtaacc tcgacaacct ctctgacgcc ggcagcgaac ctcgacgccg 900
tggtggtttc gagagcgacg gcaagggtccg tgacttctcg aactgggaac gcaaggggtcc 960
tctttctcct ccgcctatga gggaaggccg tcccgtaac gatgataatg cgggtttccg 1020
aaccgctcg cctgcctggg gtgaggagc ctctcaggac ggctcacgtc ctcccagacg 1080
cgaattccag gaacgcgccc ccactgccgt cgaattggac aaccagtgga gagcctgaat 1140
gaagcccga gggcccaagc aaccagcaa cccccctgc ccctgtgccg ctgggtgccgt 1200
gccggacgtt gcccctgctc ccgccacaag accgaagctc aaccttcaga agcggaccgt 1260
gactgacgcc gccgggagcc ccagccccag caccgaatca aagtctagca tcttcggcgg 1320
tgctcgctcc atcgataccg ctgccagaga gaaggaagtt gaacaacggc gccaaactagc 1380
tctgcgccag aagaaggaag ctgaggagaa ggcaaaggcc gagaaggcag agaggcagaa 1440
ggctgccaa gaggcggcca aatccgagaa gcccgctcgc acccttgacc ccaacggccg 1500
ggatcagcaa gatactctc ggggtggcgg taactttgag atcctccggc gggccgggtga 1560
ggatgagagc ggtatgagcg ccgaccaaga tcctgaacag caggctgaag gcgccggcgc 1620
cgctgctgcy gaagccccga aggccgatga taaggtgaac ggttcctgga gggctggacc 1680
tacctcgacg gagaacgcag gtgacgacga gggctggagc accgtcagct caaaaccgcy 1740
ca 1742

<210>

20102

<211> 1743
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20102

```

ggacttttcgc ttcccccgac agtttccctt gcattaccag cgacgtccac tctatcagat 60
ctttgcgaaa aggtctcatc atatatccct tattctgtgc ccctccggtc cctcatctta 120
acaacaacaa ataacaacaa aattctcccc tcgtcgctcg ctgtttctga actcatctca 180
ccaaatggcg actcaactct cctccccctt cgtctcacgg ttcctatgtg tggcggaag 240
ggtggttttg gctctcaact tcgtgctgcc ggtgggcgca tgtcaagcag gcgcaagcgc 300
aatcagggcg acgacaacgg ctccagccgt aatctcgatg ggcggcgtct tcgtacagtc 360
aacgaggcca aggcccttgc agaatacctc gccgtgaaac ccgagatgga taagaaggag 420
aaagaggagc gccgacgacg gtgggaggct gttgttgaag ccgcggaaaa gcgccaggaa 480
gagctcaaaa atggaggtgg gaagcaaaag atcgacggtc aatggatgga ggataaagat 540
gagatgaatg agaaggctcg agaggctgtt cttgcagcta tgaaggaggg cacttggacg 600
gataatctga aggacgccct cctaggcggg tcgagcacga gtgcaagtga gggaagtggg 660
caagaaagtg cttctgcgtc ggaggacagc ggggaggagg ccgagatgag ggatgcgcct 720
gcgcaacctg gttcggcgcg gcctgctgca ccgaggagat atatcgggtt cgacgatgat 780
gatgaattca tgagtgactc tgaagaggat gaagaagcta tgaatgaagg ttcagaagga 840
aaaggaaaag cgaaacataa gtggtcgctt ttttttctg ttttaagagca cttttcttaa 900
tttggttgtt ttagcgcatt tatctgttcc agcacaatg tattcatagt cattcaagcc 960
gtgatcttac tatgatcagt attaaatatg ctttttattt tgttgtagta ggtatcttgt 1020
actttacgta gtaactatgt gatctttgtt tcttttgcca gcagatgcca tatcggctat 1080
cgccactgca actcttttct gatagcggag cgaaccgata acgccccaaa agagctctgg 1140
aatttggtag caaaacttct ctcaccattt tcattctcga tcatcatgtc gtcggccctc 1200
aggcgcatga gcccgagagt tttgtggaat tcccacgac aatgccaaca agcgacgcgt 1260
tttttccgca gccagcacc cccagccgc ttcggcgagg aggttgtctg tggactggca 1320
ctectgtcga ccgttcagct gcgaagacaa tctaccagcg catctaacc tgtgtcatca 1380
acagagtcta ctcaggctgt tctaccatta tgctgtcccg gatgcggggc gtattcgcag 1440

```

actgtcgagc cgaacgagcc aggattttac agcaaaacca gaaagcaaac ccgaaagctc 1500
 ttattggaag cgcaaaagga accgttaaag gaatctgcaa cgcaggaggc ggtatttacc 1560
 gtacaaaaag ctgtcgagga agcggagatt gtcctaagc cacatcgta gtattccaca 1620
 cgtcctctc gattgcgcct aacagtttgt tgcaggtgat atattgctcg aaaatgcagc 1680
 ggataccgtc agccaatatc tcgagaaatc acagtcaccg gtgcaagtct gcgacagatg 1740
 tca 1743

<210> 20103
 <211> 1745
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20103

tcccacatcc gcatcacctg ctggaaggcg atcggctagc cggagccctc ttcacgaaga 60
 aggaagcgca gatcgccctg aagaagaagg gaagtccaga tatgatgact acgcgccgat 120
 cattggaacg tcatccgtgc ttcgttcacg caaccagaa gacattggca ttcagagttc 180
 cttgcgtgtg aaaagagtcg gcaggttgac gggcacattt ctcaacgggc ccgccagacg 240
 cgggtgtgctg agacgccaga gtgaggagga tcaatcacca agctatctct ccgactctaa 300
 ggaagccgaa ggcggtgata acaatgacta taattacaaa agtgcgaggg cctcgtctcc 360
 caaagtatca tgggcagatc ccgagcaacc acagaagact acagactatc gccgcatttc 420
 gtccggtgac gggccattct caaggctctc ttgccgaag tcatatgtgt cacactccaa 480
 atccaccccg ggatcatctt ctgatgcctc ctcaaacct tcaagctcga aagagcctat 540
 atttaaagta ctcctcccc cgacattacc atccaccgt gaccaagaga atgaacctcc 600
 accaacgttt aagcgaacca agccacaggg attcgatttt ctagacaaac cggagaaact 660
 ttcggtggtt tacggcgatg acaagaagga ccaagagctt ccagcagggg catcgccaag 720
 gaagatactt tctaacgga gtaacaacac acctcatcga cccgcgcccc ctctctctaa 780
 gatgtccgtg ttagaaaccg ccaactgccac gggaggagca gctacggcat ctcagtcgcg 840
 caaaaagcgt accgaagttt cgattaatca caagccattc acccgcttgg attgcatcgg 900
 tcgtggaggt agctcgcgag ttaccgtgt aatggcagag aactataaga tctttgctct 960
 aaagcgtgta aatttagagg atgtcgatcc gacgaccttg gctggctaca agggggagat 1020

tgatcttctt aagaaactgg aaaacgttga ccggtgtggtt cgcttggttg actgggaatt 1080
 gaactcggac aagcgcactc tcagcgtgct catggagatt ggcgagtcgg acctggaaaa 1140
 ggttctgacg tataaaactga atgctgagga tgccactttt gatatcaact tcacccgggtt 1200
 ctactggaag gagatgctgg aatgtgtcca ggcggttcat gaatacaatg tcgtccattc 1260
 cgacttaaaa cccgcccaatt tccttctcgt ccaagggaga ctaaaactga tcgatttttg 1320
 aattgccaac gccatccaag acaatactgt caatgtacac cgcgagcagc aggttgggac 1380
 tccaaactat atgtcccttg aagcgtggt tgactcaaat gcctctctgg gtttaccagc 1440
 aagtgttggc aagatgatga agcttgcaa accgagtgat gtatggagtc tgggctgtat 1500
 actgtacaag atggtctacg ggcagcctcc ttttgcaaag attgccaaagt actacgagcg 1560
 catcatggca attccgaatc cgaaagtga gattgatttt ccagctttcg gggtcggcgg 1620
 catccaggtg cctccaggac tcatacggac tctgaaaggg tgtctgcaac gagatcagac 1680
 actgcgaccg actatcagcg acctcttggg tcaacgggac ccattcctgt accccgacgc 1740
 acagc 1745

<210> 20104
 <211> 1748
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 20104

cgggtcagag ccagcacgct aagtactact ccatcataac cttgaatcaa accgtattga 60
 gcgccaagga agaacaagtt ggagttcagt tgctcgatat ctacttctct ctctttgtgg 120
 ttttgcttaa gcctaagaaa catgtcaacc ctaaggggtga cactaagcat ggaaagggca 180
 aaaaacgagg tgggaaggac aagaacaacg ctgagacgca gaatgaggag atgcaggaca 240
 agctgatatc ggcggttttg accggtgtca accgagctta tccattcact agtcaaata 300
 ccgagaggct ttcgaagcac atcgagaccc tcttcgcgat cacgcaactca tcaaatttca 360
 atactagcat ccaagcactc atgctgattc agcagctgac atcaactcat caagtatcca 420
 gcgaccgttt ctaccgaact ctctacgaat ccctgcttga ccctcgggtt gctacctctt 480
 cgaagcagtc catgtatctc aacgtgttat tcaaggcgtc caagaacgac gtgaataccg 540
 gacgaatcaa ggcattttgtg aagcgcattg tccaggttct tggcctgcat cagcctgctt 600

tcatttgcgg agttttctat ctgatccgtg agctggagaa gactttcatc agtctgcaat 660
 ctctttatga tcagccggaa gacaatgaaa gtgatgagga agaagtattc agggacgttc 720
 ctgatgaaga tgatgtccaa gagccagcac cagtgccga agagaaatcc ataccttcca 780
 accgctatga cccccgtaag agagatccag agcacagtaa cgctgacaag gcggtgtctct 840
 gggaaatagt aagttcttat tntatccatc tacagactgc cgctgctca cattgtatag 900
 ctccettacc tatctcattt ccacccgtcc gtttcagtca atgcaactca tctactggag 960
 caccagccga tgagcggaaa gcccgacatg actctgcaca cattgacaca cttactcgac 1020
 cgctttgtct accgaacgcc aaaggcaacg gcttctacgc gcggctcttc gcttatgcag 1080
 ccacttgctg gcagcgaggc aaaggacagg ttagtcacta ccagccagca cagtcaacaa 1140
 ctaccgtca actcggaggc attctggaag aagaaagccg aagacgttgc ggcggaggat 1200
 gtcttcttcc acgagtactt tagccgactt ggtaaggaca aggagaaggc ccaaaggaag 1260
 aagaagagca aagacccggt tgagcgggat gaggaggcg atgtggatga cgacgacctc 1320
 agcgaccagg agtctgaaat ctggaaggca cttgttgatt caaggccgga ggttgaaggc 1380
 ccaggtgata gcgatgatga cttggatctt gatgacctcg agtcggctta cgacaaatcc 1440
 gacgatgagg gtgacgaaga cgaggatc acacacgatg aatctgatga ggagatggag 1500
 gacgttgaag aggaagacgc tgcggccaag gtcaaggcag ccaaggctaa gagccgaact 1560
 tccaaggacg acgacctcga ggatgaagag gcctttgaca tggacgtttc agacgaggag 1620
 gcctttgtcg acagcgacga ggacttgccg tccgatgtcg agctgggagg agtggaactc 1680
 cccaaggaag acgacaaggc cgggcggaag aagaggcgca agctcaagca cctgccgaca 1740
 ttgcgctc 1748

<210> 20105
 <211> 1750
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20105

gtgtacaggc aagtatcaag tagatatattt gttttccact tgtgcttaca gtagtgaccg 60
 aagccttgac tatcgagaat gcatgtgggt ggagatatat gtttctaaat agcaaattcc 120
 tctagtacaa ctgccatcaa atgctgggtg tcacgaagca ggctgttggt cggtagaaga 180

ttgcagggca tcgattggtg gaggcagatt atgtgaagga gttttgcccg ccacactgta 240
 aggctcgaaa cccacaccga atgtggagga gaacttgcaa cctacaacca cctgtgccac 300
 ccactatcat ttcttcgggc gaggcaccag cgtccatttg tgctactaac ttacatcaat 360
 taggtatagt atcctatcgt ccctattccc tctaccggcg tttagattct tttttatccc 420
 gcttttcttc tcacgcggcc ctccgcccct ctacgacgct aaccgcgact caactaggcc 480
 aagttcagcc aactgtctat cgaacattct ctattacac agcatttaga agggtttagat 540
 aaaagtcgcc atcatgcctc ctaagaagcc tgatcaacct aagaagaaga aggccactgt 600
 cgatgacaag gtttgttacc gtccgagaag acttttcgtc gaagcaatgc taacagcgaa 660
 ctcgtaaaca gacatttggc atgaaaaacg tacgtcatcg cgccctgccc ttcccagtcg 720
 aactcgaiaa tccataacta acgggattac gctggacaga aaaaagggtg aagcgccaag 780
 aaacagatcg ccagttaca ggccaagcc gtcacagca aaaccgcca tgagaaacga 840
 aaagcgcccg agaaggaacg gcgtgaagca gagaagaggg ctgctgagca ggcaagaag 900
 gaggcgctgg agctgttcaa gcctgtccag gtgcaaaaag ttccctttgg tgttgacccg 960
 aagacagtgc tttgccagtt ctacaagcag ggccactgtg agaagggtcg caagtgcaaa 1020
 ttcagtcacg acctaaatgt cgatcgtaag gcggccaaga aggatcttta cactgattcc 1080
 cgagaggcgg aagacgagaa gaagaaggcc gacaccatgg agcaatggga cgaagcgaac 1140
 ttcgttcgtg ttgttcttag caagcacggg aaccgcgga cgacgactga caaggctctgc 1200
 aagtacttca ttgaggccgt cgagaaccag aaatacggtt gggtctgggt gtgtccgaat 1260
 ggaggtgata agtgcattga caagcatagt ttgccgcctg ggtatgtctt acattcatgc 1320
 gtggctgggt catgatgcta ataactttat agattcgtcc tcaagacaaa ggagcagcgc 1380
 gcagcagaaa aggctatgat ggacaagtcg ccgctcaaca ccctgaccct ggaagattgg 1440
 cttgaaagcg agcgacacaa gctcaccgga gaattgactc ccgtcacacc tgaaaccttc 1500
 gccaaatgga agaaggagcg catggacaaa aaggccgcgg aggaacaagc ccggaaggct 1560
 aaggaagcca ctggacgaac attattcgag agcggcaact ggcggacaga agagagcgaa 1620
 gagagtcag acgaggatga cgacggagcg tggaacctcg ctgctctacg gaaggagact 1680
 gagagaatac gtgagcagaa ggaagaggag cgtctggcga aactacacgg tgagcaacag 1740
 ccaggtggtg 1750

<210> 20106
 <211> 1751
 <212> DNA
 <213> Aspergillus nidulans

<400> 20106

```

cgccgtgaca ccagcctgaa ggccaactgg cgtgtgttcg ccatcacct gtacatgggc 60
atcgcttgtg tcgagtatgg cttcgacaag ggcgccattg cgggcttcca agcaatgcct 120
gggttcttgc aggtgtttgg atatcagact gagtctggcg agtgggatat tcatgtacag 180
cgctccattt ctttccctca gcattttctc ttttctccca ttgcctgata cacatctctc 240
ttttgttaac actgtcgtct caccgattag gccgggtccc aacaaatcat cacctcgttc 300
atgattctcg gcagcgtcat cggtccctc ctgacgggtt ttgtcggcgc tcgcattggc 360
cgtcggtatg gattgatgct gggctcactg attgtgatca tctgcgtcgt gatcatgtca 420
gaaacgaccg ttctcggagc tctctacttt tccagactct taatcgggat aggaaacggc 480
cttctgctga actttaccgt gctctacctg caggagtgcg cccctcctcg ctttcggggc 540
ctttgcctga gcatggtcac ttgctggatc accattggga cgacgattgg gatggtgagt 600
ctcctccatt cgccctatcc ttggtttgaa gattaggaaa gaaagttgct aatataaacg 660
taggtgatca atcaccaaac caacggcatg atgagtcgag aggcataacc tatccctctt 720
tacgtctgct atcctgcccc tgctatcctc atcctcacgc tgccgctcct ccccgagtct 780
ccccgctggc tccttcagca cggaaagcca gaggccgcgc ttcgtagtct tcagtttttc 840
cgacaagggtg cctacgacga agttgcggtg cagcaggagt tcgaggagat gaaggcagca 900
gcggcacgcg agagagacca agagattcat cagaacaaat ggcttctctt cttcgaatta 960
ttccgcggtc ataatcttcg caggaccatc attgcagttg cgggtgggcac agccaatgcc 1020
gctgtcgggtg ccatgttcat cctatcgatg gggacatact ttttccagggt ggtgcgtcat 1080
cccctcccgt tcataccatc actgggtcta acaggttctc caacaggcaa atgtcggaga 1140
tccattcaag tggattatcg tgaccaactg cgtcgggtct gcgggtctgt tcaccacctg 1200
ggccatcgtc actcatgtcg gacgcggcg aatcatcctc gcaggatgcg taatatgcac 1260
cctccctatg ctcgatcatg cagccgtcta ctccgcgcc aacgtttccg cagacggtgc 1320
aggcattgcc ctatgcgtga tcgtctcgat ctacgtcttc ggatttaatt tcggcctcga 1380

```


accttacgtc taccttggtg ccggcgagat gccttcccag aaccttcgag gctacacaat 1440
 gggcctgtcg accgcggtca gctttgtgtt tgcgtggctg agcgccctta caaccccgta 1500
 cttcatcaac ccgggtgagc tcaactgggg ccccaagtat ggctacatct ggtttggcag 1560
 cggtatcatc accaccgctg tcctgtggta ctatctgccg gaggtaaggg gccgcacgct 1620
 ggaggagatc gatgagatgt tccggaacaa tgtgcccacg cgagcattcg ccaagtatgt 1680
 gtgtgtggag agaatggagg caaatgcacg cgcggtctcc actgttaagg gggagagtaa 1740
 gcctaatagcc a 1751

<210> 20107
 <211> 1757
 <212> DNA
 <213> Aspergillus nidulans

<400> 20107

gacgaggcgg tctccgcaaa gatacacgaa tggagtgccg acgcagaacg gaacctgcc 60
 tatgtgaagt ggtataacgt ctggggagag agatatggcg tggatcggtt ggtcacgagc 120
 gaggggtgga agagggtggg tgcttggggc gctgagaacg ggtttgtctc tcctatcttt 180
 gaactcgttt cagtttgaga cgggaatgcg atttactgat ggctgggtgtg tatcgtagga 240
 taatagcact gggctatgaa gacaagtacg ggaaggagag gaggatggcg cagtatgccg 300
 tgtacgttct atcccaccct tttccaacca ccaagatctt gcagatagtg aactagcaaa 360
 cactgactct acccagaaac tacatgaccg gtccctcctc aggcctgacc tcctgtcccg 420
 caagcatgac cgacggcgca gcaactgatcc tgtcaaacga gatcgcccg agatcgctgc 480
 cgcaagacca tccattccag gtgcattgc gccgtctcac ctgcgcgggc actgacgcct 540
 ggacgtctgg acagtggatg actgaacgcg ctgggtggaag cgacgtacag aataccgaga 600
 cgtgggcgac atactcgccg ctcccggcat ccgaattacg caacgcgacg ggtcagcctc 660
 agatcgacga aggcgagtac ctcgtaacg gcttcaaatt cttctcctcg gctacagacg 720
 cgaacattgc cctactgctt gcaaagacga cccctccgg caagctgagt gtcttcctcg 780
 ctccgctgcg ccgcacaatc accgacaagg acgggaaacg ccacgaggta agcaacggtg 840
 tgcgcatcca ccgcttgaag aacaagatgg gtacaaaaga gctgcccact gcggagctgg 900
 agtcgctcga catgcgcgct catctcgctg gcgacctcga caggggggtg cagaccatcg 960

ccccgctgct gaatatcacg cgcgcacata cattcctcgg ctcgctgggg aactggcgcc 1020
 gggcgctcag tatcgcaaag gcttttgca agaccagaac gacggtcggg gaaccattgt 1080
 ggcttatacc tatgcactta cgactcatgg cggagcttga aggacggcat cgtgcgggta 1140
 tggaactggc ctttttcacg attgctgtca tggatctcgt cgagaacaag acgcggggatg 1200
 gtcagcgga gctcgcgcac ctccaaggg caggcgaga agcaaacact gtcttcagga 1260
 ccctaaccgc actctcaaag gccgtgatat caaagatggc tgttggtggga gtccaggaat 1320
 gccaggaggc aatgggcggc gtgggggtaca tggatgagcc agacgaaccg gagtttaatg 1380
 tttcgcggat cctgcggaat acgttcgtca actctatctg ggaagggacg accaatgtcc 1440
 tggcgagcga gtgtgtgcga ttctgtctca agggggagaa ctttgacgtc ctcgctggat 1500
 gggttgagcg agtgatgcgg ctgcttgggg atggcgcggt ccagatgga cttggactga 1560
 ggagtgcgtg gacggctttt aaggcgcggt ttacatcttt gcaggattcg ccagctctgg 1620
 ctgttgctga tgcacgtcga gtcatgttca cgctcgctg gattctggcc ggaactctgc 1680
 tggtcctgga tgcgagaagg gatggggatg ccgttacggg agagattgca cggcgggtggg 1740
 tgagtgggca gctggga 1757

<210> 20108
 <211> 1758
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20108

tggatgcgat gggaggtgcc attgttgctc atcatatctt tctatctcac cagaacagtc 60
 tatcgctttt tcttccatcc tcttacgaga ttccccggcc caaaaatcac agcagcaacc 120
 ggtctgtacg aattttacca cgatgtcgtt cgagggggaa agttcctgtg ggagattgag 180
 caaatgcacc aagtttacgg tacttgctcc atccaccaa ctgatcatgg ctgtgttgac 240
 tcgctggaag ggcctattgt gcgaataact ccttgggaga tacacgtcaa agacccccat 300
 ttctacgatg aaatctacac ctcggcacga aaatgcaaca aagaccccaa cttcgtcggc 360
 atgtttggat caccaacctc tatgatcgca accgtcgacc atggacatca ccggttccgt 420
 cggggaatat tgagcagttt cttttccaag cgctcaatca gagatatatc accccttattc 480
 aggagaaaag tgcagaggct catggagcgg ctcgcgaggt tctaccaaac cgacactgag 540

gtggatctca gcgctgcatt tgcggccttg acggcagata taatctccac ctactcctac 600
 ggcgagagtt tcgacttcct cgaggacggg tcgttccaca gcgaggtgcy cgacgccatt 660
 atggagaccg aaaagttaga tcatatcagt cgattgtttc cagtctgtgtt gacgggtatt 720
 cgacatgttc cggatatgggc ctttgcgatt gttaaaccag cgactgccgt tattgcggga 780
 atacagaaac gagtagcgga gaagtctgct aaggcgctca aaatgactgg atcaagcaag 840
 gaagaatgga ccatgttcga tgcacttact gacccaaagc tgcccgccttg cgaacgaacg 900
 atgtcgagga ttcattgacga gggcatgatc ctcttagtg gcggcacaga acctacggct 960
 aatgcattga cagttgccgc gttccatatg atcaaccaga aggatattct aaccactata 1020
 cgcaagaag ttcggggccag tggacgcgat gtaagaaag cgtctttggc tgaacttgag 1080
 cagttgccgt atttggtgag ttgagcatcc ctgtgatata cgacctgcaa aacatgtact 1140
 gaaagccgac agactgcagt agtcaacgag gccctccgcc tctctcacgg cctttctatc 1200
 cgttctccac gaatatcacc tacagaagcc ctgacttata aaagctacgt cattccggct 1260
 ggtgtatgtt gccgtcctct gccatagcgc cgtgaatact gacaagatct ggcagacccc 1320
 cgtaggtatg tccaactact ttgtccacat ggatccctcg attttccac acctgcttc 1380
 cttcaaccg aaccggtgga ttgaagctag caagagggga gagaaacttg accgattcat 1440
 caccgcgttt gggaaaggaa gtcggcaatg cattggtatc aagtatgtta tgttgccgct 1500
 attacacaat ctattccctt ccacagcttc atcatcgtag gcggggctaa cgtctgttcc 1560
 gtatacagtc tcggctacgc agagctttac ttgccctcg cctccttcgc aacgttcttt 1620
 gactaccagt tgcattgacac tacggaggag aatgtccgcg ttgcgaggga tcggggtgtc 1680
 ccattccctg aagctggaca ttgacggtg agagcaaaag ttgtaggagt gcatgctgac 1740
 ccagctagaa aagaagac 1758

<210> 20109
 <211> 1758
 <212> DNA
 <213> Aspergillus nidulans

<400> 20109

gcggcttgca aggaggtcgt gtttgactct cggagcgcca agttcaccga ccgatgata 60
 gcgcagggtt acaacatcaa ctggctggta gatgggttgc cggccgcgca acagaatctt 120

ggaaccgagc ctcaggctta cactcctggc ttcgctctcg gtgagcttga cgagagcgaa 180
aaggccgttt tgcacaatca tttcgatatt ttaatcgact atcatccggt caaggttgga 240
gacaaggaga agtatcgagt catcgggtgc ctggtccaac caagttctcg acgtggctcg 300
catgtctctg aggacgggac atccatttgc aatgaggaag gaccgatcta tctggatgag 360
gatgcagata ccacgggtggc ttggacttac agtgtaagct ggcgtgaatc gtctactcca 420
tgggcaaccg gctgggataa gtacctgaag gttcagtacc cgaaaatcca ctggttttcc 480
cttgtaacg ccgccgtggt tgttatcttt cttgttggga tggtagcat gatccttgtt 540
cgcgctctca agaaggatat tgctcgatat aaccgtctgg actcatttaa cctagatgat 600
ctggatggaa cgtcagctgc tatggaggac ggcaccaag aggactcagg ctggaagctg 660
gtgcatgggg acgttttccg gtgtccgaag tctcctttgc ttctcagtgt tctagttggc 720
aatggagctc agcttttcat gatgaccggt gccactgtcg gtacgtttac cgtaccagct 780
agttctctgt ttgggctaac gttggcttag tttttcgat gtttggcttg ttgtcacctg 840
cgaaccgagg ttttctagcc actgccatct tgatcatata cactcttttt ggtttcattg 900
gcggctacgt ctcagctagg gtttataaag cgtttgggtg tgaatcctgg aagcgcaaca 960
ttatcatgac ccgggttcta gttccggcgt ttattttcag cgtcttcttt ctgctcaacc 1020
tgtttgtttg ggccaagggc tcaagtggcg cggtgccgtt tggcacgatg cttgcccttg 1080
tgctgatatg gttcgtcatc agtgaccgc tgagtgtggc cggtagctgg attggtttca 1140
agcagccggt acggtctctc caccgaaaat actgtcatac tttctttcta accatcgcat 1200
aggctattga aggacctacg aagaccaatc agattccaag gcagatcccg cccatgactg 1260
gtagtctgaa gacaatccct tcgctatttc ttaccggcat acttcctttc ggcgctattt 1320
ttgtggagct atactttatc atgacttctc tctggaccaa caagatttac tacatgttcg 1380
gcttcctggt tttgtgctat ggattgatgg ttgttaccac cgctgctaca acagttttgt 1440
tggtatactt cctcctctgc gctgagaact ataggtggca ctggagggcg tttgcgggtg 1500
caggaatgac tggagtgtac gtctttctta acgcgcttct cttctgggcg accagggtta 1560
gcttcggcgg cctcattgga gctgtacttt acgtgggcta ctctgccttg atcgggtttg 1620
ttgtcttcat ccttacaggc aagtttctac cctatccgct tgggtcggcc tgcttactaa 1680
ttctcgcaag caggctctat tggtttcttt gccagttggc tcttcataca gogaatctat 1740

cgctctatca aggtcgac

1758

<210> 20110
<211> 1769
<212> DNA
<213> Aspergillus nidulans

<400> 20110

ttgccagccg gttcgtccat gaggcgattg ctcagaacaa ccacgcgcga gtgtcagaaa 60
caaccgaaga agccagcgca acggattcgg tgatgcaata cgagcttcat acgtctgggc 120
aagagccaat atcattctca acggcggagg acgacgatga cacgcggaag ttctacctgg 180
actatggcga tgatgactac gagaccaatt cccagtcttc ctctagcggg gacggccact 240
cgcatgtttc aaacgtcgat ttggacgatt tttatcgacc gccgggttac acgtatggct 300
cccaaagtgc tggattcgac cctgcttcca gccatgagga tcataccaac ttcttttccg 360
acgccgagga cgcaaatact gaccagccg cggaacctca ctttgcagag tccgtcatac 420
atcatggaac cagtgagtat ccaacatgtt cgtgtctcag cctgattgct aatctggcga 480
cagcccaaga gagaaactat gatattgacc agtttatttc gcaatggctc taccaatcgt 540
ctactgcgtc gataccaatg ctgtcactat cgccgcaggt atttcttcag agtactttat 600
ccaacatcat gcgatggcag ccaccggcga agatcacgcg gccgagcggg tatactggag 660
acttctacga catccaacag atccccctgg gggagagggt gcgggtgagg cgagctgatg 720
cgcgccgggt gcgagaccag acgtatgaat cgtacaaaaa tcttccacaa tacagccagc 780
gacggacagg gaggaggctg cctgaggaag agttttattt ccagggaata tcgatgtaca 840
cggctcacia agccacgac gaacaacttc agctccgcaa cctgatgtcc gttcccgcgt 900
acaacactgt acactttgcg cacgaatcca agttgtattc gtgggttccg gcatatgacg 960
acttgcaatg tctgatcgac ctgtccgtac ctaatgctga gtccgggttt cagggcccgg 1020
tcaagatttc gaccatgaaa acggctgtag gtgtatctat tgccggcggc ttcttcggag 1080
aatatgccgt gcgggctatg gggactgaaa ccaaggaggt ggaaggatac gttacaaaag 1140
acccaacgg aatcaccaac cacatcgata tcatccaag tcgcacgaat cggctcgcaa 1200
tcgggatttt tgcttcta at gatcgccatg tgcggacact agattgcgaa actaacacct 1260
ttcttactga tcatgaactc acgatgcgg tcaactgtac atctacttca cctgatgggc 1320

ggctccgtat cgttgteggc gactcccccg atgcctgggt cgttgaagcg gagacaggcc 1380
 gaccggttta ccctctgcgt ggacataagg atttcggctt cgcctgcgcc tggteccccg 1440
 atatgatgca ggtegccact agcaatcaag acaagtcagc gataatctgg gatgcacgga 1500
 catggcgcat gctggagaag atcgagtcg acgtagcggg ctaccgggtct ctacgattct 1560
 ctccagtcgg cggaggtccg cgcaccctgc tgctctgcga accggcagac cggatagtga 1620
 ttgtcaatgc acaaacatac cgatcgcgcc aggtccacga cttctttggg gaagttggag 1680
 gagcagacta ctgcctgat ggaagcaca tatgggcagc caacacggac gagcggtttg 1740
 gtgggtttat ggagtacgat cggcggcag 1769

<210> 20111
 <211> 1774
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20111

gcgccttctg ctccgcatgt ccataatgca agtcgtcttc cccatgggtct cgatcttctt 60
 ggtcttcttg cagtgcaaac ccaccgccgc tctgtgggac tacacaatta cccacgcaac 120
 gtgctgggac caggccgtca tctacaactt ctctgctgg gtcagcgcgt acacgaccat 180
 gaccgatatc atccttgccc ttgtgccaat caccgtcttc tggaagctgc aaatgcgtca 240
 gtccaccaag atcgggtct gtatctgct gggctcgaca ttgctgtcgg ccatcgtgat 300
 tttgggtct atagcactac agtatcggag catcgccgat ccccgactc tgttctctga 360
 ctcaacgctc tccccacttc atttctcttc caacctcaa cttcgccctc aaaatggcca 420
 actcaacctc agactcagta aatgtccttc tctacgggtc tggagcgta gtggtctttt 480
 gattgatcat aaggcaacaa gagccgcccg ctgaccagct ggttctgtcg aacaggatcg 540
 gtccttctta cgccttcctc ctcaacaggt gcgaccgcgt ccgtctgacg gtggtecggc 600
 gctcgaatta cgatgccgtg ctgaagaatg tacatttcgg ccgtgtgtat aggacatatg 660
 aacatataat actcacaaga gcatagggaa tctcgatcga tagcaagaac cacgggaaga 720
 acacattccg tccggatcgg ggtatgcgtc catgaccttt cttctagtct caaatgtccc 780
 atttcttttc ttcgttctt ttattaaaag acgttcggca agcttatgag acggtgggac 840
 agtaatccgc gccccctccg acgttgccgg gagccacttt gactacatcg tttgcacgca 900

caaagccttt gatccacgcg gcgccataat accactcgac cccgtcgtcg acggaacaac 960
 tacgattgtc gttctgcaga acggggtcgg caatgaggat ccattccgtg agaggtggcc 1020
 cggtgtcaca ataatttcgg ggggtgtatg ttcttcattc ctattttgtg gatatttagc 1080
 taccttttct gcgtctcgtc atttcatctc tccagactgg ccagtcttat atccagaagc 1140
 gtaaaggga gcataaagag tagtgctaac tgaaaaaagg tctgggtcgg cgctctcag 1200
 cctgctccag gagtcgttta ccacacccat tccgaacaca cggagctcgg cctcttcccc 1260
 aaccgctcgc tgaacgatgc gtcgctagaa gaggccgtc tgcagacatt cacatccgtc 1320
 ctcagcgctg gtggaacaca ttaccacc ttcgccgaca tccagccccg gcggtgggag 1380
 aaggctcatc ggaacgtcgc gtggaatgcc atcaccgcgc tcacagacca ggatgtatca 1440
 tcttggtgt cctcttcccc ggatgcagta ccgtatacaa gacaattgat gaatgaagtt 1500
 atagccgttg cgaagggatg taatgtcgag gttaaagacg gacttgccga tcagcttatt 1560
 gagcgtgcac aaaggctggg tgcgctccgg acgagcatgc aggcggaccg cgaggccggc 1620
 agggagatgg agatcgaggt aattttgggc gtgcccgtga aaaagggacg cgagctgggt 1680
 attgatacgc cgcgtttgga agggctctat gtgcttctgg tggctattaa taggcagatc 1740
 aaggataaaa gggcgaacta gttttgccat gaaa 1774

<210> 20112
 <211> 1774
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20112

cgcgttggca ttcttgcttc ctgcaattca ggctcagcaa actctctatg ggcaatgtat 60
 acactaaccg gcgctctaatt tttgcattgc taacaagtat cagggtggggg atctggctgg 120
 accggtgcta cgagctgtgt agctggcgca gcgtgttcta ctctgaacca atgtatgcgc 180
 attcaatata gcttgggatg ttgctaacaa cccgaatagg gtacgctcag tgcttgccag 240
 ccgcaaccac cacgtctact accctgacca cgacaacatc ttcagtaacc acgacgagca 300
 atcctggctc tacgacaact acaagctctg ttactgtcac tgccactgca tctggaaacc 360
 ctttcagtgg ctaccagctc tacgtcaacc cttactactc atctgaggtg caaagtatcg 420
 ccattccatc cctcactggg acactctcct cgcttgccac ggcagccact cgtgccgcca 480

aggtaccttc ttttgtatgg ctgtacgtta tttcctccca tatggttccg tgtataggac 540
 tgaagtcaga caagagatgt tgccgcaaag gtgccacaa tggcgacctt cctcgcggat 600
 atccgggtcac agaattgctgc cggagccaac cctcctattg caggccaatt tgttgtttat 660
 gaccttccgg accgtgactg cgccgctctg gccagtaatg gcgagtttgc catttcagat 720
 ggcgggggtgc agcattataa ggattatatt gattccatcc gcgaaattct cgtggagtac 780
 tcagacgtcc acgtaatcct ggttattggg gagcgcgatc taccgctat attggaaggc 840
 aattctgac tcttctgatga tagaaccgga cagtttagct aatcttgtca caaacttgaa 900
 cgttgctaaa tgtgccaacg cccagagcgc ttacctggaa tgcacaaact acgcggtcac 960
 gcagctcaac cttccgaacg tggccatgta tcttgacgct ggtattacct attccccctt 1020
 tcgttctcag ttccctttca gtctgtcgca gtactaaaca agacaggaca tgccggctgg 1080
 cttggctggc cagcaaacct ccagcccgcc gcaaacctct acgcaggagt ctactcagac 1140
 gccgggtcac cggccgact tcgtggtctt gctaccaacg tcgccaatta caacgcctgg 1200
 gcaatcgata cctgcccttc atacacgcaa ggtaactccg tttgtgacga aaaggactac 1260
 atcaacgccc tcgctccctt gcttcgctc cagggtttg acgctcactt catcacagat 1320
 acgggtaacc tctccctctt agctcagtc ttcccttctc tagagtcctt cctttcttcg 1380
 ttatttaatc cgaccgctaa cttctgatgg ttgaaaaggc cgcaacggga agcagccaac 1440
 aggccaacaa gcctggggcg actgggtgaa cgtcatcggc acgggcttcg gcgcgcgccc 1500
 atccacgaac acaggtgatt ccttattgga tgcttttgc tgggttaaag ctggtggcga 1560
 gagtgacggg acttctgata cgttcgcggc gcggtatgat gcgcattgag ggtatagcga 1620
 cggctgcagc cagcgcccgga ggcggaact tggtttcag tatgtacatg aacgctctta 1680
 cagtatattt gataaatgtt agacctgaga ggtcatgcaa gtgctgatga ttacatctc 1740
 caggcatatt tcgtgcagct ttacagaat gcga 1774

<210> 20113
 <211> 1775
 <212> DNA
 <213> Aspergillus nidulans

 <400> 20113

cgaccctcat caagcggtag gaccttgctt cgaccttcta tttctcatat attcctgcaa 60

acagcaatgt cttcaattcg aacccttcat cttcccaaga ctaatgacat gcatatatgt 120
 acagactaga agccgcgact tcccgcctgg aggacatggc gatgtcgtta gatgaacacg 180
 atgcccagaa gaagaccgct gacaactcgg ccgcgctgga gccgcaagcc tctgagcgac 240
 ctacaccaac cgccttggc gcccgcgag ctgctcctct tccaccccag atogaagact 300
 tcgatacatt gattagcaag gacgttggga atttcgtgca actgggacag aagattggag 360
 gtctcgtcgc agagcaggta tgatgccagg tgcataata gttgctgaat gccttgcctca 420
 tttgttttta agtccaacgc tgtccttgaa gccttcaagg cggagcgcac ttacctctat 480
 gtctcgacca aggcgaagaa gccagaaatc cagcctccgg agcttatgac cggactccac 540
 acggcatccg atgcatcaa caatcttcgg gagtctaaca gggcatcgcc tcttattgac 600
 catctgagtg ccgttgccga aggtatcgtt gccctgggct ggttttttga tcccaaacct 660
 gccgatttcg tcagcgagat gctcggaggt attcagtact acggtaacaa ggtgctgaag 720
 gaatacaaag agaagtatgc gttttgcacc ggaggctatg ttgcaccgtg gtttactgac 780
 agacttgacg ggatcgtacc cattatgact acatccaagc gtactaccaa atcttcaaatt 840
 ctctttcatc ctaccttcgc aagcattacc ccaagggcct gacatggaat gacaaggatg 900
 gaatagatgc acaggaggca ctcagactgg tcaaaaacag ctccgactct gctgctggcg 960
 gtgcaggaac tccccctccg cctcctccag tgccgacttt gaatatacct ggtggtggcg 1020
 cgccaccacc accaccacc cctcctcctc ccccatgat ctccgaacag cagagttctg 1080
 gcgcctcatc tgatatgtcg gctgtgttcg ctcagctgaa ccaggagac gctgtcacac 1140
 aaggcctgcg caaggttgac aagtccaga tgacgcacaa aaaccaagc ctccgagcta 1200
 gctctaccgt tcttgaagc cctagctcta gttcccgctc caagtctcca gccctagca 1260
 aaaaacaaaa gccagagagc atgcgtagcc ggaaaccgcc ccgcaaggat ctccaaggca 1320
 ccaagtgggt catcgagaac ttogataacc ccggagacat tgtcgaaatc cccgccaagc 1380
 agaaccaatc aatcctcatt tctcgatgca acaagactat catcaaagtg tccagcaagg 1440
 ccaatgcgat tgccatcgat aattgccatg gcttgtccat tatcgctgac tcgctcgta 1500
 gcagccttga tgttgtaag tgcctcaagt tcgctcttca aattgaaggc gttgctccta 1560
 cactgcttat ggaccaggtc gatggcgcaa ctgtttatct gtcgtcccag agcctaggta 1620
 cggagctctt ctctagcaaa tgcaccgctg tcaatgtgat gcttctcca aaggaaggca 1680

ccgatgaaga tacaaggaa tgtccggtcc cggagcagat aaagacctcc gtcaaggatg 1740
 gtgttcttgt cagcgaaatt gtcgagcatg cgggc 1775

<210> 20114
 <211> 1777
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20114

ctgcggctgc acaaaccaca caacaccctc tgccagctcc ttgcgctcat gattatctgg 60
 aatgcctggc tcgctttcga cgcggggaca acactagccc tcaacttcaa gagcatcatg 120
 gccgcctgcg tgacaaatct ctgcgccgct tcgggtgccc ttacctgggc tggcctgacg 180
 tatgcagaaa ctgggaagtt cagtctggac agtacgttcc tcggtgctat cgcgggtctg 240
 gttctcatta cgccgagcgc gggttttatc gatctgagta cgtcggtcgc gtttggcgtg 300
 gttggtgccg ttgctgggcg acaggcgctg cggattaagt tcaccaaggg tgctgccctt 360
 cgacgctggg tcgataacgg agatacattt gcgacacatt gtttgggtgg gctgcttggg 420
 acggtagcga cggggccttt tgcaaacgt gaggtcgccg cgtacgatgg agtaaccatc 480
 attgccggtg gatgtgtttt tgatagcaat tggcgccagc ttggggttca gtcgtggag 540
 gcgctaateg gggttacgtg gagttttgtc ggaagctacg tgttgtatgc tttggtagat 600
 tgcgtacctg gggtggaagt tttagctacg gatgagttag tttacacctt caactttgag 660
 atgtggacta acgtgtcagg gatattcttc tcgggatgga cgcattcacag atgggcgagt 720
 ctttgcacga ggcacagtgg gctggcgaag aggactacca cccattccac gctgaaattc 780
 aactttgacc gaacctgtgt tatgccccta tatatacaca taccaacata gaatcaatcc 840
 aaggtctatg tcacgcctag ttgaaaacga ccgttttgtg tccgttcaac aaaactctgc 900
 gctcagcaaa atacttgaca gccgcagcca aaacattgct ctccacatta cttccggcat 960
 gagtcaactc cttcggactc aaggcatggt tcacgcgaac gacattctgt tcgatgatag 1020
 gacctcatc cagatcgctt gtgacgaaat gcgccgtcgc accgacaagc ttcacaccgc 1080
 ggtcataagc ctggtggttag ggcttagcac cttgaaact gggcaggaaa ctgtggtgga 1140
 tattgataat ttttccagac atagcgtcgc acagcgtcgg cgacagaacc tgcattgacc 1200
 gagccaagac gaccaattca atatcatact cttgatgag ttcgagaatc cgggtttcct 1260

gctgctgctt cgtgtccgcc gtcacgggga gatgcatgaa gggcaccttg tacgttgccg 1320
 cgaggggtctc gaagtccggg tggttcgata cgatgagtgg cacctcgatc gccaactggc 1380
 cgggtggactg ccggaagagc aggtcattga ggcagtggcc gatcttgag accatgatca 1440
 ggacacgcgg cttgtgggcg gcggggagga gctggaagga catcgagtgc gcggtggcga 1500
 tcggggtgaa ggcttcgcgg agggcctcaa gggagggggc cgcagcacca tcgctggcgc 1560
 cagttgtatc ggggccgaag tgcattgcga tgaagaagcg gtgcgaggtg ggatcgccaa 1620
 attgcgagga gtcgatgatg ttcaggttgt gttggacgag gaaaccggtc acggcgctga 1680
 cgatgccggg ccggtcgggg caggagaggg tgagaataaa gtcattgttg aagaagaatg 1740
 ctttgaatcg aattgaatcg cttctgggct ctgttga 1777

<210> 20115
 <211> 1777
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20115

gccgcaaaca gggccagatt cgttctcgac atcattgcgc aaaccgcgc cgtcgtcccg 60
 tccaccttct gcatggcat caaattcaac tcagccgacc acaactcctc cagctttgaa 120
 gacaccatga cccaaatcgg cctcctagtc gatgcaggca ttgacttcat cgagatcagt 180
 ggcggaagct atgaagatcc caaggtcttg cttgtctttt ccccatcca ttacatctgt 240
 gaagcgtact gaccaaatec ctccgggtag atgttgaata ttggcctaca gcaagcagaa 300
 aaatccgccc ggaccgtcgc cagagaagcc ttcttccttg aattcgccgc cgccgtgcgc 360
 gagcgctacc caacccttat tctaattgcta accggggggg tccgctctcg tgccggcgca 420
 gactacgccc tttcccagaa cgcgtgcgac cttgtcggca ttgggcgtcc tgccggcaatt 480
 gaccgcatt ttccaaagtt gctgctcgat gagagcgtgc aggaaagtga ggcgcagttg 540
 catttgaata ggatccctgt gccgttctgg gcgaagtgga ttccgcttgc tgctataggg 600
 gctggagcgg agagcgtacg tcttgtcctt ttccctttt cctccccct tcccccca 660
 gccagcttcg ggtaggtagc taacgatggg gtagacgtat tacactgggc agattcaacg 720
 gattgccaaa ggaatgaaga ctattgtacc gttataggta ggtaaaagtc tgaacggagt 780
 ttgcgaaaag tgtatactag ctggatgagg actctgtcga caaggctgtg ccgcagtgac 840

actgagggct cattgtatca tggtcggttg ccggaccgag gtatctagat gataccacct 900
 aattatttga aattcgatth ctcttagccg tatccaggcc ttgatagctg caacaattat 960
 agaagcagac agctcatcaa gctgctgac ctcttgaccg acctgatgat aaattggccg 1020
 tccagcctcc ttttatcttt tctgagcgtg tatattgaac aaggcacaat accgccttta 1080
 atatgccatg aaccatctca tactcttcac catcacctat tccgtcaccg ggagaactat 1140
 cagtgtcgca gtaggcaaat cccgttcaag ctcggaacct ttcaacctac cggatgtgac 1200
 actattcatc gaggggttga tctccattcg gaattattgt ctgtcttctc ctagagctcg 1260
 ttgatgctct tgagctctag tacaaactcg gattgaacca tcagaaggag aaggcgctga 1320
 gaatgagaag agtgaatgtt tgtgcgttga gccattatth taagcgcagg cgtggagtgt 1380
 agataagtcc atggcctggg gttataacac gaaaaggcgc tgatgccgtt gggtaaggga 1440
 gaacatcgaa gccgcaccaa ttcgggattt gttcttgata gttggtaaac ttgcagtga 1500
 ttcggttggt ccattcattc taacgtctta tttcattttg tctgcttgtc ttctgggtcc 1560
 aggcattacc tagtctcatg ctatatatth gaatgcagta ttacaagagt gtctgggtata 1620
 ctttaaagaa tctatttcaa tatcagaaga taacaaataa tcctactgca gacgcataac 1680
 atgcagtttc tagtataaca atatgagatg atttcacata tttcgattct cgtgcttgat 1740
 aaatcaccta agtaagccag agcgtgacca ggaaaaa 1777

<210> 20116
 <211> 1777
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20116

tggagatgtg acattcattt cttacacgaa taatgtccac actggaaaac aggggtttac 60
 caagggtggt tctttctcga ccataataa ctgtaacca gggggtgtgc attttattga 120
 tgttaacggt aggcacgcat cattctggtc acacaggaac agctgatact aatgcgagat 180
 tacatattca ggtgatggac tggatgacta cgtctgcatt gccttggtat ggactaccta 240
 tgcaagcatc aacaacggag atggcgattc tgggagtaac aagcctccct cctttaccga 300
 tattggactg tggaagagtc cagaagagca cgatcagaag catgtgcgtc tggctgatat 360
 tgacgggtgat ggtcgagccg attactgtgt tttggcagat aatggcgatg tcacatgttg 420

gcggaatgga tggattgaag acaaaccagc atactggcag cctctcggaag agcgcttcac 480
 tggaaaaggc atgggtgaca tccgcggtcgt gagattcgaa gatattaacg gcgacggctc 540
 cgacgactgg atgtgggtgg atgatgatgg cgctgcgacg acatatacga actcccgaag 600
 ctgcatcaaa ggacaggctg gcgatggctt aaatgttggt tggcggcagg gattttacaa 660
 agatgctaata tctggcccgga cacaccctgg attgagtggg atatttggtta gttccggatt 720
 acgagatcag gtttacttcg ccagagtata cgggtgaggta gcggatttcg gggagcttgg 780
 gagacaggac tacgtgttca tcgagaaggc acatctgacg agaattcttg gccaatgtat 840
 aacgtacatg tctggaagaa taagggggca ggaggggcaa agataaaagg tatgatttgt 900
 ataagtcatg ccccatatga aagattaaag ctaatgatta cagccgacgg aaatagatat 960
 tgcaatatga aaggctcatga gaacggtcga atggattacg tttggatcca ttccaccggc 1020
 tatatgcgtc tctatccgaa taaggactg gttgaagtgc ccagtgcagg gtcaagtttc 1080
 tggggagcca acgaaatcat ctttgacca acacgggagc aaatcggaac taagcttgac 1140
 cggcgcgac tgcactctggc agactgggac ggggacggag cctgcgatat tatttgga 1200
 gaccctaaca atcaaaatag ggtacagggtg tggcggaaaca aggtcaagga aaccgggagc 1260
 attgagtggg agtataatag caatgctgtg gatcagctat actgccctga gcacgagggc 1320
 cttggttact ttgaccgtcc cgtccatttt gctgatgttt ctggttacgg caaagccgac 1380
 tatctgtgtg ttgaaaagga tgggcgcact tggggctggg ttaatgggga tgatggatgg 1440
 gagtatattg atcagttcaa atactccgag cagaaggata gggcaaacat tcaactgggca 1500
 gacgtgaatg gtgatggaaa ggcagatttg atttggaccg acaagttctc aggagacggg 1560
 tcagtctggt ataactcttg ccgacgtgat atcaacggat ccagatacga gtggggacca 1620
 ctgggacca gatacagagg tgctgttgaa ggctcatgca cttactttcc tgatctggat 1680
 ggtgacggcc gtgcagacat gcatagtatc tggaattcca tcaacaacac agctcagaca 1740
 tgggtacaaca aatgtgctac caaggaccat actggcg 1777

<210> 20117
 <211> 1778
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20117

cggcgtgaat gtgcctgtcg tgctgtgtgc caacaagtcc gatcttgtctg ccgatcatac 60
 cgagacgcaa gtcacgagg acgagatggt gccgttgatg tcagagttca aggaaatcga 120
 ttcattgcatt cggaccagtg cccgagaaca tcgtaatgtc aacgaggcct ttttcctttg 180
 ccagaaagcg gtcacacacc ctatcgcacc cctattcgat gcaaaggaat cagccttaaa 240
 accggcgggt gtcgccggt tacaacgcat cttctacctc agtgataaag accgggacgg 300
 ttatctctca gataaagaga taaaggattt tcagatgagg tgttttgaga aacctctgag 360
 cgaagaagac ttggtccata taaaagagac aattcagaaa acacatcctg actctgtgac 420
 gccgtccggg atagattgcc ggggatttat tcatctgaac aagatgtatg ccgagaaagg 480
 acgccatgaa acagtttgga tcatacttcg cgcatttcag tacaccgata gcctttcgtt 540
 gcaagagagc tatctccacc caaagtttga ggtgcctccg tttgcatcag cggaattgtc 600
 tcctgagggc tatcggttct ttgtcaacct tttccttctc tcagacaaaag acaatgatgg 660
 tggactcaac gatgccgagt tagcatcatt gttcgcaccc acccctggat tgccgcctc 720
 ttgggctgac ggctcatttc cttcatgcac tgtcagaaac gaggctggcc atgtcactct 780
 tcagggctgg ctagcacagt ggagtatgac aacctttact tctccaaga cgactctgga 840
 atatctagcg tacttgggat tcgagtcctc agatcggagc aaccctcca cgaccgccc 900
 tcttaaggta acacgacccc gtaagcggag aaaacgtcca ggacgcgtcg gtgcgaatgt 960
 cgtccttggc cacatagtcg gagctccggg gtctggcaaa tctgcccttc tcgatgcttt 1020
 tctgtcccgc ggatttagta ccacttatca cccacaatt caaccgcgta ccgcagtcaa 1080
 cacggttgag cttccaggcg gaaaacaatg ttacctgatc atggatgagc tcggcgagtt 1140
 agaacctgcg attcttgaaa atcaagcgaa gctactcgat cagtgtgatg tgatcgtata 1200
 cacatatgac tcgtcagacc ccgattcatt cgcataata cccgtctca gggcgaagta 1260
 tccacacctg gaggagcttc cgagtgtgta catcgactc aaggctgacc tagaccgtac 1320
 aaccagcgc gctgaacatc agcctcatga atacacagct ctattgaata tgcttggtcc 1380
 gccgttcat gtgagcgta cctggagttc cattcaagag gtgtttgtgc acatcgcaga 1440
 agccgcaatg gaaccgagta cagcattccc tcggagcgag gaagacgtcg agggcaaatg 1500
 gatgtcgtgg ggaattgctc tcggagctgt ggtttgtgcg ggagctgctg ctgttatgat 1560
 ctggcgacga gtcagtggta gtggagtctg acgcctgggt gagggcgctc atgctgtaat 1620

gatggaactc gatacccctg aaatcaatta ttgcgttgct ttggatagat ttattgcgaa 1680
taccgagcaa tgtatatgaa atcttcgcaa tgtgttgagc tacaggcact ttgtcgaata 1740
gacagccatt aaggттаага acctgacaca ggcgtcca 1778

<210> 20118
<211> 1780
<212> DNA
<213> Aspergillus nidulans

<400> 20118

gaaaagatca tcttcgagga ggctttcaag tacgggtgtc aagcacgcga gaagctgtgg 60
cacgacgctg gcctgataga agccgctgag tttggaagcg gttccgagga ctaccgtacg 120
tacatatgat catgtaacaa aaccatatta actcatggga acagatttac atctcctgca 180
gccggcagct ttagacttac cgttgcggcc ctcccagtat gctgctggtc ctattcccag 240
tctgaaagat tttcaggcac agtggaccgc atgggatata gtcaccaaag caatgatccc 300
acaagaagag ctgctttcaa agccgattaa actacgaaat tccctgatat ttacctagg 360
acatattccc acgttcgctg gtaagttcta tcgcagacgg acttcaattg ggctattgct 420
tactcaagct ttcagatatt cacttgaccc gtgctttggg tggcaagcct acagacccta 480
aatcatatca actgatattt gagcgcgga tcgacccga cgttgacgat ccggaaaagt 540
gccatttctca cagtgaatt ccggacgagt ggccatctcg ttcagaaatc ctagattacc 600
aagaccgggt cagaaacagg atacgatcca cactcgagat acccggcctg tccaagaaca 660
gaacgctggg tgaagccctt tggatcgggt ttgagcacga ggcaatgcac ttggagacct 720
tcctctacat gctgatccag agtgagagag tccttctcc gccgggtatc caggcgccgg 780
atttcaagaa gatatttctt gacgcaagag aaaatgcgaa gccgaacgaa tggttcgcta 840
taccagaaca aaccctatct atagggcttg actcttcaga ggacttgatg ccaacgtcaa 900
cattcggttg ggataacgaa atacctaagc gcaatgtaac ggtacaacca tttgaagcgc 960
aaggagggcc cgttaccaat ggtgaatatg cccggtacct tcagaagaac caaattcaca 1020
ggtaggcctgc ctctggatt atgaccaatc aagcagatgg agttgcgaac ggtagcaccg 1080
caactgagga ttttctaact gacttctctg ttgcacgggt cttcgcccc gttccacttg 1140
agctagctca ggactggcca gtcattgcat cctacgacga gcttcaacaa tacgcttcat 1200

ggatgaattg cgcctgccg acgttcgagg aggcctaaaag catctatgca cactcagctc 1260
 gtctaaagaa aactcttaca gacgcgtccg cggatgcagc tagcaacgga ctcaaaaacg 1320
 gctaccacaa accgcatctt agaaacggca ccgtcaaaat tgctccttct acagcccaac 1380
 ccgtectccc gccctctgca tccgcatcct ctccacctgt ttttctcgac ctacagactt 1440
 gcaatgtcgg tttcaagaac tggcatccca tgcccgtgat ccagaatggc gataaactgg 1500
 ctggccacgc agagctcggc ggcgtttggg agtggacttc gtcacctttg gagcccatg 1560
 atgggttcaa agccatggag atttaccag gctatacttg ttagttttcc ttctaggcac 1620
 actcgtctgc atcattcact gacttattct ctccctagcc gacttcttcg acggaaagca 1680
 taatataatc ctcggtggtt cgtgggcgac tcatccgagg attggtggga ggacgacgtt 1740
 gtaagtccca ttatcgtatt cagttcctgg aaaaggctaa 1780

<210> 20119
 <211> 1782
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20119

gagtcatcgc ttcccaagtg gggtgctcca aatctgatat tcggcgtggt cgggtagacg 60
 gtccacccgc tcaggcacgt taacgtcaca cccaaccct gcttcttaaa gccttcatgc 120
 tctcaacagc taaattcgcc aggatgccc ggaccaacgg actgactgac tgactgacga 180
 actagcaaag caagcaacca gaatggcgct cctcggcctg ctcgaaacct accgagatcc 240
 gctcgccttt gtggctgccc tctccgcggt gttttacct ctctcctgcc tgcaccgacg 300
 atggcgacgg taccagtttg caaaggagaa cggatgcgaa ccggtcgtgg gaaagatccc 360
 tagctatgat ctttttctat cgtcgcagag actctatcgc ttgaccaagc tggccagaaa 420
 ccgcaagttg ctggaataca acgttcagcg gttcaaggaa tttggcaata cccatcgagc 480
 caaacgcac accacgccga tgatcgtgac gcgcgatccg caaatataa aggctattct 540
 ttactgaag tttggtgact atagcatggg cgataggatc aggatttttg gccctctcct 600
 gggccacggc atcttcacct ctgacggcga ggactgggcc cgatcccgc atatgatccg 660
 cccaacttc gtcaaagaac aagtcgcgca ccttgagatt ttgaagaac tcatggacga 720
 cctctttgcc cttataccga ccgacggcag cactgtcgat cttcaggaac tatttttcgg 780

cttcacgatac gactctgcga ctgaatttct ttgcggccat aatgttcata gtctgaagaa 840
 gcggcgatca ggggttatag atgacgagcc ggacttcgct gaagctttca actactcgct 900
 tgacaacatc tcgaagaatg gccgttttgg cccactgatg tttctgaatc gtgacccgaa 960
 agctgttgaa tcgcatcgca tttgtcacga gagcatggac cagttcgtag acaaggctat 1020
 cagaatgcgc gagagatata atgaagagaa gattgtcgac gaggctgcag agcgcaggta 1080
 catgttcctt tacggattgg ctcagcaaac cggcgaccgg aggcgaatcc gtgatgaagt 1140
 tttgaatatc ctcttagcag gtcgcgacac gacggcttcg cttctgagca acatgttctt 1200
 tctgctggca aaacatccaa gcacctgggc gaaactgcag gaggaggtcg ctacacttga 1260
 aggccgtgct ccgacttacg agcagctgcg gaatatgaag taccttaaat actgtctcaa 1320
 cgaaagtgag tgaagccgtc taatagctgg acccaagaaa actaacatcc gcagcgtccc 1380
 gtctcttccc tgtcgttccg gtcaactcac gcaccgccat cagagacacg gtccttcccg 1440
 ttgctggtgg cccagacggc cagtcgcccg cttttgtccc aagggcacga tggtcgcgta 1500
 cagtgtctac gccatgcac gccgagaaga ttattatggg ctgatgccga agagtccgt 1560
 cccgagcgtt gggccgatct acgaccgggt tgggaatacc tgccgtttaa tggaggccct 1620
 cggatttgcg taggccagca gtatgcctta actgaagcag cgtatgtcac aacgcgactc 1680
 gctcagcgat actcaattct ggagagtcgt gatcctggcc catgggagga aaagctgacg 1740
 ttgacgttgt gctcgtataa tggaacccaa gtcagtcttc gg 1782

<210> 20120
 <211> 1783
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20120
 cctggctggg ctcgagcatc taccttggtc agctgattgc tcagccggcc atcgcgtata 60
 tcctcgtcaa gatccgcttg ggcaagttcc ttgctgttat ggtcttcttc tgggggatct 120
 cactggcgtg catgaccccg gccaggctct tcggggggct gttggcttgt cggatcttcc 180
 tgggggttgt tgaatccggg attcgtgagt catcactatc atcttttccg cactggtatc 240
 gaaagactga ttctttagc ccctgcattt atcgccatta ctcagatgtg gtatcgccgt 300
 cggaacagc caatgcggct tagttcgtgg tatgctatga atggcgtcgt taacatggtg 360

agtcttttgct ggaactctat actctggggcc ataggcacta acgagaatac aaacagtttg 420
 gcagtctcat cgccttcggc ctcggtcata tccactctag cctcgcgcct taccagatca 480
 tcttctcttt ctttgactt gttacgatcg cctttgcctt catcgtcttg tgaggacaag 540
 ccttctcttt acattgcctg ctctaatatg gtcgtgattg ctatagattc ttcctccccg 600
 actcgccgat gcaatccaaa tttctcaacg aagaggacaa actgctagca atcgagcggc 660
 tccggatgaa ccaacaaggc attgagactc acgaatggaa atggggcccat gtcagagaag 720
 cattctctga cctcaagtcc ttcttctggt tcgcttgat gttctcaatc tcgtgcgttg 780
 cacccttttc gcctatacgg aaactgttct aatacgggtg tgcaggatcc ccagcggcgg 840
 catcaccact ttccgaccac tgatcattga gtcgttcggg ttccgaccagc tcaagaccat 900
 gctcttcaac atgccgttcg gggcgatcca gctcattgca actctgggtg gcgcatggct 960
 cgcgaccaga tacaagacca agggaggtgt tatcgcgctc ctctgcctcc ctgctatcgc 1020
 tggctgtgtg atgttgctgg agattccccg cggcgacgct cacaaagggc cgctgcttgc 1080
 gggctattat atcgtaagca tgtcccttca ttgtggttga aagggtgctaa cagtgtctaga 1140
 tatctgttta ccccggcatt agtaggttta gtcgaatctg ttcattggatg atacattaac 1200
 agcaacagca ccgatgatct actcctgggc tgccggaaat acagccgggtg agacgaagaa 1260
 gaaggtcatc aacggtatct tgctgggttg ccagtgcgcc ggtaatgtat gtgccagac 1320
 agtagatcac tagagtgaag ttaagtcaga gcagaacaga gctaaccgca gcaggtcgtt 1380
 ggcctaacc tctataccac cgatgaagct cctgggtaca gacgtggtct cctttccaag 1440
 taaggcaact cgaacctatc tctgttctgt atctgatgtg gaaatagtct cgccatgttc 1500
 tgtgtcctcg ttctactctg cgtgtgagtc taccctact cccctccct cgtgtagcaa 1560
 taactgaacg tctagtctca acttgatata catcttctac ctcaataaac ggcaggaaaa 1620
 gagacgtgtg gctatgggca agcccgcgaa gatcgtcgat cgctcaatgc agattgtcgg 1680
 tgagaccgac atcgacagca aggacgatgt cagtcagagg gtggacgata atgcgttcaa 1740
 ggatctgaca gattttgaga atgaggactt tgtctatgta tat 1783

<210> 20121
 <211> 1786
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20121

attcccgctcc caggecgagca ggtcgatcga tcccggctcc atatggcgctg gcagcaagtg 60
gcagctcgcc atccagccct acgcaccata tttgtcaagt ccgccgctga agacgggctg 120
tacgatcaac tgggtgtataa accagccgag gcagcattcc tactgtggga acggcaggat 180
gaggatgccg tttggaaggc actcaaagac ttcactcgac aagacaatcc cgaccagccg 240
ccagttactt ccattatttc gaccacgggtg gatggcaaaa ccttctgcac tgtcgatatt 300
agccgtgccc tcatcgatgg ggtctctatt ctaatcatgt tccgtgatct tagtcgggca 360
tatgcagggt tgtagagat cggggagggt gtacgataca gtccatatac ccgctacgtg 420
cagactctcc ctgcggggat gtcaatagat tattggggga gctacctaga ggctgcctct 480
ccatgccact tccccgtgct caacgacgac atacaagggg agaacaagtt acatgcattg 540
accgtggacc tgaaagacgc aaagggcatc catgccttct gcgccagaca taatgtcacg 600
ccggcgattg ttttccaaat ggcatgggcc ctgcctctca aggcttacac tgggtcaagac 660
gacatctgtt ttggctatct gaccgccggt cgagacgttc cgggtgttgaa catcagcgac 720
gcggttggcg tcttcgaccc cgaacatccc ttgaaccgtc gagaagagat gattcggcag 780
tgcaaagccg ggggttcgggt ggtaggggag ggtaaggaa cctgtttca gggcttggtc 840
gaacatgtcg tcatccttac ccaggactta atcgacgact tgctcgctcag cgaagtctcc 900
aatattcagg ccgctcatgt tgacacggac cagagtttcc tcgctcttgg aggagactcc 960
attacaacca tgcaggtgtc ctccggctct cgctcgcgcg gcctccagct cgcagtcaag 1020
cacattctga ggagcaagat tatccgtggg gctgctacac aagcgtcgca caagactaag 1080
tgcatttgta tgggcacgag cacgagtcaa cgattttctc ttctatcagc cggcgaattg 1140
gaggaagaaa tagatgccct ggtcatgaag ctgggctact ctggcgccga tgccgtggaa 1200
gacgcctacc cttgttctcc catgcaggag gacattctga tcagtcaagc cacagcgcca 1260
gagatgtaca agttctttgc tgtatgctct ctccgggcaa ggaattctgc agaccccgctc 1320
aatatcgacc gtgttcagct agcttggcgt cgcctagttg ccagacaccc agcgttgaga 1380
acattcttcg tagagggtct gtcccaagat gggctttaca cgcaaactgt gcttatagat 1440
catgagcccc agatccagca tgcggcggat ctggacagcc tcttcaagta ccccgaggac 1500
caccoccttg actaccggga cggcgcgccg cctcacgctc tcaccatctc gcaaggcggg 1560

gacggcgtag tcttcatcaa tctcgaaatc agtcatacat taattgacgg aagctcgatg 1620
 gcgatcatcc taggtgacct cgtcaaggcg tatgacgacg accttcccac gggaccgcta 1680
 taccgccact atatcgcggc aatacaggcg cgatcaacgg agaaaacgct agcattctgg 1740
 acagcctacc tccaagatgt gaagcccgtg tttttcccgg ccctac 1786

<210> 20122
 <211> 1786
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20122

cgttcccata atgccgag aagagcctct tctgggtcca cgccaatcat cagaacagtc 60
 atccattcga aatgctgagg aggaagacgc cttgttgact ggcgagcgga ctcaccgcgg 120
 tggaagtcgt cgtggatggg gcttctggag agaggctggc ctcttttctt gggctctaata 180
 agccaccgtt gctgttatta tccttgcaat cgtctatcag cgagagtcaa gctggataca 240
 gagtcacaag aaagaaacat ggggtccagg aggaaaacca accggcaaac gcaaccttat 300
 cttcatggtc tcggacggga tgggccaac tagtcttacc atgactcgaa gcttcaaaca 360
 gcttacgcaa gggcttccag ctgacgaggt cctcgtgttg gacaggcaca ttcttggtac 420
 ttcacggaca aggtccagct cgagtctggt cacgactcag cagccggagc gacggcattc 480
 tcgtgcgggt tcaaaagtta caacggcgcc atctctgtgc ttcccagacca ctcaccttgt 540
 ggaacagtac ttgaggccgc atctttggct gggtacaaga ctgggttggg ggtgactacc 600
 cgcatacccg acgtacacg caggcttctt cgcgtcgac gcaaaccctc gacagtatga 660
 agaccagata gcagagcaag aaattggtga acaccactg ggccgtgtgg tagacctcat 720
 aatgggtggt ggacggtgcc attttctgcc caatacaacg gacggtagt cgcgggagat 780
 gatcgtgatc tgggtggcagt cgccaaggag aaggggttct cttacattga cgaccggaaa 840
 ggttttgaca gcctcaatgg tgggacggaa gcaaagctac cgctgctggg actctttgct 900
 gagaaggaca tcccttacga actcgatcgc cgcactcaga atgatgtgta tccctctttg 960
 gaggagatgg ctccgaccgc gttgaagatc cttagccatg ctacagagga cagcgatcaa 1020
 ggatttttcc tcatgattga ggggtcccgc atcgaccacg caggccatgg taacgaccca 1080
 gccgcgcaag tcaacgaagt gctcgcttac gataaggcct ttgctgcggt cctcgagttc 1140

ctcaacgacg attccacccc aggggtcctg ggtgcaacat ccgaccacga aactggagga 1200
 ctgcctgag ctgcacaact acatgacact taccgccgaat acctatggct ccctggcggtt 1260
 ctggccaacg tcagtcactc ctcggaatat gccgctcaaa agcttcaaga ctaccgccgc 1320
 cagaagaccg acaagccctc tcaggaggcc tacacgcggg acctcctcaa gaaatcttta 1380
 ggcatcgaag acgcctcaca gcaagaaata gacgccctac ttgatcccaa caaccaatc 1440
 atccctagct atgtcttcgc cgacatggtt agtcgccgag cccaaatcgg ctggtccaca 1500
 cacggtcatt ctggtatact atcgcccttc cttacctaaa cctctcatat catcggaact 1560
 agcaactaat ccctccaaaa ggtgtcgacg taaatatcta cgcttcctcg tcaagagacg 1620
 cctggccgct acaagtaacc acgaaaatac cgaaatcggc gccttcctag ccgactacct 1680
 cgacctcgac gttagcgccg tcacaaaacg cctccagaac tctgagttct ggaccgccgc 1740
 tgaaagcata agcgtaagcg agagcttcaa ctggctgggc aaccgc 1786

<210> 20123
 <211> 1792
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20123

tcgcctacgg ggcagttct tagtatcggg ctgctgcgtt ggatccttcc tgttcgcgta 60
 cgatacgggc attattggcg gaatccttac tctggactcg ttcaagcagt cgtttcgata 120
 ctgagaggca gagcgggcag atatcgcttc aaactctacc agtcttctgc aggccggacg 180
 atgtccttgt ctgactccc aggcagttct ggcagcttgc tgaccttgtg tcctcgatct 240
 agctttcttt tctgctttt tcgectggcc gttcaccaaa aagtttggtc gccgatggtc 300
 gatcgcgctc gcctctttga tcttctgtat cggcgggata atccaggtgg ctccaacgca 360
 ctcgattggc gcgttttatg ctgctcgtgt gatcagcggg gtcggtgtcg gcatggccac 420
 cgtgatgggtg cccatgtaca ggtaatctc tgctgcctta tattgatctt gaactaagct 480
 gacatcccggt cgtggacagc gcggaaatga gccctaaaga gatccgagga cagttgggca 540
 gtctgttcca gttcttcttc acgctcggcg tcatgacctc gtactggatc gactacgcgc 600
 tcgaaaaata cgtcgcatcc tctgatcgcc agtggcagat ccctatcgga ctgcaactcg 660
 tgccggcggg gatcctgggc ctcgcatgc tgtttctcaa ggagagtgtg cgatggctcg 720

ccagtgtcgg tcgacatgat gaggcgctgc aatccctgat ctgggtccgt ggaggagaag 780
 acacagagga agtccgcact gaaatggcag agatccctaga cggcatcagc gccgaagtgg 840
 ctgcaactga gggcgtcacc tggaaagagc tgaatcttcc agccaaccgg ttcaggattt 900
 tcatcgcgat aagcatccag atcgggtacgt ctcccttgta gatagcgact ctcaattggg 960
 tctatgctga caactgcagc cgcgcaatgc actggaaaca cctcgctggc atactgtacg 1020
 cttgtctatc taaaacatgt ctgcgtcctg gactgaccgt agcagatgcg cctcagatct 1080
 tcggtgccgt tggaaagagc gagaacgaca cgctcctgat cacaggggtc ttcgggtgtg 1140
 tcaaagtgtg agcatgcggg accttcgtcc ttttcctagt tgaacggatt ggccgtaa 1200
 ggtctctagc ccttggcgcc ttcattgatg gagcactcat gcttatcgtc gcgactcctg 1260
 cgaaggtgtt cagccagat tcaaccgcta ctgaaatata gtctcctacc gctgcacga 1320
 ttgcgatgat ctatctggag gcggcctcgt ataactgtc ctgggtatgc taacagccag 1380
 agccagtccg tactggaccg ccagcacagc aagctaaca ttcgactagg gccccgtacc 1440
 atggctttac atgagcgaga tcttccaac gcgaattcgg gagatcggta ttgccgttgg 1500
 aacagctacg cagtgggtgt tcaactttgt gttctcgcag gcgacaccgc atgccgtgaa 1560
 taacatgggc tggcggacgt tcctgatgtt ctgtatcttc aactgggcaa tcgtgggtcta 1620
 cgtctttctg ttcacaggg agacgactgg caagtccttg gaggagatgg aagatggtac 1680
 gtatttcata gtgcaggtat acaataatgc tgacggctcg cagtattcaa atcgaaacatt 1740
 gctcgggtta ggaaagatga agagcgtgct gaggatggag ctctacata ta 1792

<210> 20124
 <211> 1794
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20124

gaacaatata ggatcctacc agatgatata tacaactttg ataagactgg ctttgcaatg 60
 ggcctttgtg cacatcagaa agtgattacc aagtcagaat catgtggcca aagaccagtt 120
 ctacagccag gaaactgtga ataggttact gcaattaagt caatcagtac ttctagatag 180
 gtactttctac taatacttat ctttaagggc aagcagtata accaagcatg gtttacaggc 240
 cttctgcctg actggtgatt tgaaattagt acaaatagat agacaactaa ttagacttgt 300

taaaccacgg gttggggcgg gtttttaggc ctagctgac cgcccacgg ggttttgggg 360
 tgggttacct tcacagtaaa ccgcccattg gtttagcaaa taattctaac ccaacctaaa 420
 taacccaaaa taaccagtt atgcatatca ttactctaata agcagtgat ctacatagtt 480
 aataaaatac tgtatttaaa tactgtatta taactatcta agtaagaaaa tataatctaa 540
 atacagtaat atacctattc agatatcttg gcaaccacgc aggttgctcc gccgggcttt 600
 ggggcagcca aaaatatcca aaaccaata gataattaga aggtctaacc caaccattt 660
 cttggcgggt cggggcgggt tggggcgggt tttgtgggtt gggtttaaca agtctacaac 720
 taataaaact agcctttgct ggctttagaa gcagtttata ctgtcaacag agcattgtat 780
 atatagaaga tattaacttc tagttcttga tagccatgga agccattata taccagaatt 840
 taatcaaata tatacagata ataataattat accactctgc atgccagcat attcctccta 900
 tcttgataaa ctacttgata ttggatgttt tgtagttttg aagtacttgt atgccagctt 960
 ggttttcaga aaatatagct tggcattagc tatattaaca aacttgattt ccttgagcc 1020
 tatctacaag ctgaatcag catatttaag ctggatacaa tcagaaacag ttttcgagca 1080
 gcaggactag tgccattgaa tcctgaacca gtactttcaa agcttagtat tcaggcttgt 1140
 acacctacac cccctggaag ccgtgcagcc aggcaagtac tttttgccta catacaccag 1200
 caaatgttgg tgagcttcta aagcaagctt ctttactcag agattttctc aaacagcact 1260
 caaaaagtcc accatcaccg ccccataatg ccctaaacca gctaattaaa ggctgtcaaa 1320
 ttgcaatgca aaagggcata ctattggagc aagagaatag ggcactacgt gctgaaaatg 1380
 ctatacaaag gggaaagcga gctcgtacgc atagatggat agctcatgat aatgggtctt 1440
 ctgtacaaga ggctacagag ctgaggaag ctcataatgc gtcttttcag gcaatacctg 1500
 ttgccatata ccaaagcctg gctcgcaggt tgatggcctg tggcctggat gatagtccgt 1560
 gaccagggc gtcggtcgtc gggcagaata agaaacggta tctactagca tagcttcaaa 1620
 acaacacaac aatcaatcat acttcataca tcaattgaac ttgcgagaat tgcaacaata 1680
 cctgggccat gtggggccacc agcagaaggt gcacaaacac caaaggcacg ggcattacct 1740
 acatgtagta cctgtaatag aattgggcat agaagaaatg cttaataatt aata 1794

<210> 20125
 <211> 1798

<212> DNA
 <213> Aspergillus nidulans
 <400> 20125

```

gccgagggat cgcgtgattg gtttggttgg gaaggttcgt ctatcccca acttcgacaa 60
gcacccgcta atcaagctga gggctacagc cgtccagtgg aaaatcgact acattgaata 120
gcttgacaga tgcttcttcg aaagtcggta tgttctattg cgcgaggat gcagggatcc 180
attggcttcc atatactaac tgagctttca ttggttagga aacttcccgt gagttctgct 240
aaaaccgtcc tccgcatacc ttctcttcga gacgtctttg cctgcaacag aaaacttacg 300
aggcttactt atacatggta ctgatctcag aaccccagat ttactactat tgatccacaa 360
cgagccattg gctatctcca aatagactgt gcttgtaaac ggtacgggtg ggcagataaa 420
tgcaagcaa actacgggtg ttgtaccgat gggaagcgct cggttcccat cgagcttctg 480
gatgttgctg gtctagttcc aggggcgcgt cagggccgtg gcttggggaa taagttcttg 540
gacgatctgc gccaggcaga cgcgctaata cacgttgctg atgttagtgg aacaacggac 600
gcagaaggtc ggtggcacga atttctgtat agtcgagtag tttattgacg cactggagtg 660
taggaaagtc tacacgagga tatgatcctt ctcaagatat tgagtggctg aggtcagaga 720
tcgtgcggtg ggtgctggga aatttgatgc agaaatggta cggcaccagc ctacttatgc 780
cacaactgca caccacgcta atttacttag gggctctatc aagcgcagac atatggccat 840
aagtgagtgg gcgacatctt tgataccatt gcgattgatt gttgactcaa acatcagagg 900
caaccgcgat ggagacgtta caaaaccaat tttccggata tggaagtaca ccatcaaccg 960
ttgcacgatg tctggaccgg ttagcgttga aagaaccact cgaagaatgg tcagatgaga 1020
ccgtagagca agtcgtgcaa gcattttattg acgagaagtt cccgacggtg ttcgccctaa 1080
ataaaattga tcaccctgat gcagacaagg tgagattttt cttctgctgt tatatcattg 1140
ctaaccgact atttatagaa catcagtaag atcgccaaga tgcaggatcc tcagagaatc 1200
gtcctctggt cgcgcataat tgaagttttt cttcgaagac ttgccaaaca aaactatatc 1260
aaatacactg agggcagtga attcttagat acaagggaag acctcattgc agatggagat 1320
ccggacgggg gaggcctccg ggagatggac gaaaagctga aaacgtatga gacagctgcc 1380
gcctgcatag agtcttacta acgtcgaatc agtcgcgtgg agaacttgaa agatatggta 1440
ctttatcgct ttggctctac aggtgttggt caatgtcttt cgcgggccgc cgaggtctta 1500

```


gggcttgtac cagtcttccc ggtacgaaat ttacacacct ttctctctgg gactgggtact 1560
 gcggcatttc gagatttgtt ccttgtaaag aagtgagtaa ttctatactt cgagggttttc 1620
 ccatctgtct gacatctgga ccaggaatag cactgtgggt gatgttgccg gtaagggtcat 1680
 gggcgatgta cccatatctt atattgaagg cgttggaggt gtccgcgtgt cagaagatga 1740
 gattgtggca gttgggaagc atgatgtaag tgtcttcttc tctgagtatg ctctaata 1798

<210> 20126
 <211> 1798
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20126

ggtaagttac ctggagtcac gggcacaaaa agaattgtct ttcttggttt ggttgctgac 60
 ccacgtagga ccatcaagcg ccaggaacga gctgcgcggt tctgttctct gctccagac 120
 tatcatgcgc cctttacatc agcggacaaa aggatagttt cggagcccat tgaagagctc 180
 gtacagacgg tccaggaggg cacgctctcc cctgtcgatg tctccggac gtacggcaag 240
 gttgcgtgat aagcacaaga gaagacgaac tgcattacag aacttctact tcccaggcg 300
 gaaacctggg ctccagactga ggtcaacctc aagggccctg ttgctggagt gccgtctcg 360
 ttgaaagact caatccaggt caaagggttc gacatctcac tccgggtact cctctggcg 420
 gggaaacctg atgcagagga tggcccgtcg gtgaaactgt tgaaagatgc aggtttgtac 480
 cctggccctg tatgtttggc cctgtatgtt agggaggctg accattgcag gcgcggtacc 540
 gtatgcgaaa acagcactcc ctgtgacgt tctgtcgttc gaatcggcca acgcgtctg 600
 gggaccctgc ctcaaccctc acgtaccca gtattctccc ggcggatcaa caggcggaga 660
 ggggtgcttg ctgcgtctgg gtgcccgcgt cgggtattggc tccgacgtcg cgggttctgt 720
 cctgttccc gctgcatgga ggggtatcta ctctctccgt tgcagtaccg gtcgtggcc 780
 aaagaatggt gtcaacacca gcatggcggg gcaggagggg gtcccgagcg ttttcagtcc 840
 aatggctcgt acgttaaag acttgacgta ctttaccga tcaatcatca gcatgaagcc 900
 gtggaagtac gattacaccg ttcaccaat cacctggcg agtgaggaag agagcgaggc 960
 aaagagcaag tctctgagag tccgattgat ggcaactgat ggtatgtccc aagtcgccta 1020
 agtagtatca tactaattga acaggcgtca ttctccac tccggtatt caacgcgtg 1080

tgactaccac ggcggctgcc ctttctgctg caggacacca agtcgtcgag atcacacccc 1140
 cagcgactgc ggacccgttt accggccttc accttgccctc gcagctcttg aattcagacg 1200
 gctgcgagac tttcaactcg cactttttaca gcttcgagcc gtccgatccg ggtgctgcgc 1260
 aactgtccct gattgcaaac ctgccccgtc ctcttcggta cctctactac ctctatgtgc 1320
 ggtatatccg ccgcatgag aaatgggcaa ctttgatcca gagcttcggg tccaagagcg 1380
 cagcccagca atggaagctc gtcgcaaagc gcgaggcttc cgggtcaacct ggcatgcctg 1440
 gtgggacgct gagtcacagc agtacgactt taccctgtgc ccgggtcaacg cgacaccgcg 1500
 gcttccacac aaggccatga aggacgctgt ctctgttgc ggatacacct ttctctggaa 1560
 cctgctcgac tacaccaccg gtgtgctgcc ggtgtcgac gtcgaccga agaaggatgc 1620
 tctgacggct ccgtataaaa cggttttgaa gcagctgggg gccaaacctg ctctcgcgca 1680
 ggggtgcctgg aagcactacg atgctgctaa aatggcaggc ctgcccacgg ctgtgcagg 1740
 ggtcggtagg aggtggcagg aagagaaggt gtcgggtac atggcgccg ttgagagc 1798

<210> 20127
 <211> 1801
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20127

cgctggtgaa gggcttcaag atgttctgaa gtcaaacctt ggtccctcgg ggactctgaa 60
 gatgtacgta tcaagctcat atttctgggt ctgcaaagct taagctaact aatagtcagg 120
 ctggtagacg gtgctggtgg tgtacgaatt atccatgcc ctgaaacgac cacaatgtct 180
 aatggtgcac aaacagatta agttgaccaa ggatggaaac gtgttggttac gcgagatggt 240
 aagttgatcc tcagcagcaa gatgtggctg gactagctaa caatcgcagc aaattcaaaa 300
 cccaccgcc gtaagactta ccttccactc tttggagacg atatcctgta ttgactttca 360
 aaggtcatga ttgctcgggc tgcgactgct caagatgata tcacaggga tggaacaacg 420
 tcggttgtgt tgttggttg agaacttctt aggcaggcgg atcgtcacat ctgagaagga 480
 ttgcaccccc gagttataac cgatgggttat gaaatcgcaa agaataagc tctgaagggtg 540
 aggaaagcca aacatcgctc tgactagcgc taagtgggtt gatatagttc ctcgataagt 600
 tcaagatcga acgggcgatt gatcgcgaac ttcttctttc cgtcgtcga acctcgctca 660

gcacgaagct gaacagcgcc ctgcccgaga agcttactcc cgatattgtt gatgccgttc 720
 ttgcgatcca ccgagctccg gaaaagccag acctgcacat gggtgagatc atgaccatgc 780
 aacaccgcac ttcttccgat acacagctta tccgtgggtct tgcactggac catggtgcc 840
 gacacccgga tatgccgaag cgcgtcgaga acgcctttat tcttaccctt aatgtcagtc 900
 tcgagtacga aaagtcagag attaactctg gggtctacta ttcacgcggc gagcaaaggg 960
 ataagctggg ggaaagtgag cgtaaattcg tggatgcgaa actgcagaag attgtcgaac 1020
 ttaagaagca ggtctgtggc gatgaccca agaagggtt cgttggtatc aaccagaagg 1080
 gaattgatcc cctgagtttg gacgtccttg tgaagaacgg aataatggct ctgcggagag 1140
 ctaagcggag gaacatggaa cgccttcagc tgatttgcg gggtaccgcc caaacagtg 1200
 tagaagatct cagccctgag gttcttgat gggccggcct tggttatgag caccagctcg 1260
 gtgaagagaa atacaccttt gtggaggagg tcaaggaccc caagtctgtc actatcctta 1320
 ttaaagggtcc caacggacac accattgcac aggtcaagga tgcggtacgg gatggtcttc 1380
 gatcagtgt caataccatc gtcgatggct gtgtcattcc tggagcggga gccttccaag 1440
 tcgcctgcc tgctcaccta acatcggaca gcttccgcaa atccgttaag gggaaagcca 1500
 ggtgggggtg cgaggcattc gctgacgtc ttctgggtat ccctaagact ttggcggata 1560
 attctggaca cgacatccag gactctctgg ccttattgca ggaggaacag gcagacggca 1620
 acgttgctcg cctcgacctc actaccggtg aacctatgga tcctgtgcag gaaggcgtgt 1680
 ttgactcgtt ccgcgttctg cggaactgca tcgcttcag tacaggtatc gcctcgaacc 1740
 tacttctctg tgacgagctt ctgaaagcca ggcagatggg taaacaaggt ggacccggcg 1800
 g 1801

<210> 20128
 <211> 1807
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20128

cggtgggtgt gaccgggaag tgagagtatg gaacatggcc accggcgaat cgatctatct 60
 actacgcggc catacgtcga cagtgcgttg cctgaaaatg tcagataaga acacggccat 120
 ttccggctcg agagatacta cgctgcggat atgggatctg aggacaggta cgtgccgctc 180

tgttctgggtt ggtcaccagg ccagtgtcag gtgtctgggt gttcacggag atatcgttgt 240
 ttctggaagc tatgatacca cagcgcgcgt ttggagcata tcggaggggc gttttctgcg 300
 agcactatct ggtcatttta gtcaaatcta tgcgattgcc tttgatggcc gccgtatcgc 360
 gactggcagt cttgacacca gcgttcgaat ctgggaccca aatactggcc agtgtcatgc 420
 tatectccag ggtcatacgt cgttggttg gcaactgcag atgagcggcg atactttggt 480
 caccggtggc tctgatgggt cggtcgcgt ttggtcattg actagaatgg ctcccattca 540
 tcggttggcg gcccatgaca acagcgtgac gagtcttcag ttcgacaata accggatagt 600
 cagtgggtgt agcgacggcc gcgtcaaagt ctggtgtctg cggaccggac agcttcttcg 660
 ggagttgtcg acaccctcgg atacggtttg gagagttacg ttcgaggagg aaaaggcagt 720
 cataatgtcg agtagatccg gtcgtactgt tatggaagta agttggaccc gctgtgtttc 780
 ttgaaagtct ctaacattct gtaggtctgg agtttctcac cacctccaga agacactgag 840
 tttgacgcag caacaatcgg cgcttcgtct agtatatctg aaccaccacc ggttcgcgat 900
 agtcacccaa tacgaccact cgtacttccg gatcttccgc aaagaagcga tggcgaccaa 960
 gtaatgggtg atgttcacc ataaactgtg gagtgttca acacgacaaa ctagegtctt 1020
 cttaatttgc accttcagcg ttgttgcttc ggtttgctgc ttctaacgag attccccgca 1080
 ccgcggcgt gcaggattgg tcacatattc actggttagc atttgcattc tgggtgttta 1140
 ggttcattgt gcaatgtttt ctgtctatgg acttcgtgga gttagatagg gaatggctgc 1200
 catactgggt tgataccagc tggaatctta tgcggaaatt gtactcattt tagtttgcgc 1260
 ctcaggaggt gtcctttttg ataacaaaaa gccctatac actttgcctt tttacttgta 1320
 aatcagtgt atagcacgta gatctctccc catcgtaaaa gactggggga tgatcccatt 1380
 cgtcagctga ctgatctcac ggatttagcg ttctccgctc gatcttcggc ttgagccatg 1440
 cacaagactc ttataaggtc cagctactac tacatttcga cagtctacaa actacaatct 1500
 gtcggagtcg attactcccg tcacctcaa aagcgtcctt ggaggcggga atttataggg 1560
 accgaggcgt ggttcacat gtccgatcgc cgattactag tgaggtcgtg tattgaacac 1620
 ttgatcggcg aatcgactgg gacagtcggg tcgttttaac atagatacca cgctcggagt 1680
 acggcgttca gttcaatact ccgatttgcc tctactgaga gccaatcaac atggtctatg 1740
 ctggccgcag ccgtgggtgt catttgtgcc gcaagaggaa aatcaaggta ggacaaaatc 1800

<210> 20129
<211> 1811
<212> DNA
<213> Aspergillus nidulans

<400> 20129

gcagcagccg atattctcga gtacgatccg gatttgagct tcatgccgtt ctttttcggc 60
atttacctgc tccaggaag ttttctactc ttgcttgctg cagataagct acagggggat 120
gcgaatccga gcgtcgtccg cgcttgtgag actatcgtgc gcgcacatga ggcttgtgtc 180
gttacgtga atacagagta tcaggtatgt cccctgccgg ttcctaaatt tagctatgat 240
atagctgact gaagaaaaca gcgaacattc cgcaaagtga tgcgctccgc tcttgcccag 300
gttcggggac gcgttccaga tgattttggt gagcagcagc agcgccggcg ggaagtgctg 360
tctctttacc gctggaccgg tgatgggacg gagctcgcgc tctcttgagc ctcatactcc 420
cagctataca gctattacga ttacacgaca tataaactga aagtggatga aggacggtta 480
acttgtctcc tgttgtatat cctctgcggg tgatacctct gctgggtctta ggagggagtg 540
ccgagccgta catagttgat acctctttgc tcgtgcattc agtatgttgt tcatcactgt 600
atactatagt tactctcata ccccatthtgt tagctggcca attcaacttg catccttgtc 660
ttctgctttt gggaatcttc aatccatctc cagtagagtg actggccatc caggagccga 720
ggattacagt atgacgccac agtggagata aggataagcg attaccgata agctggccga 780
taaggaatct ccgcgttctt tgccctcgta actccttcag cagaacaaga tcaactttca 840
cgcgatggac gaaaccattc tctcgtaatc cagaatcata caacatggct ctacttaaga 900
atctcacgag ttatattcgc cctttggcaa gctgttctac cagcagcccc agatttctcc 960
ccctcaccat ccgccgcggc ctcggtattc caccacaata ccttcttgac gactacaccc 1020
cgcgctacgc cctcctcacg tctaccgacg ctgccaaaaa gcgcagccta gcctacaccc 1080
atctctcgaa ttgcaatctc tgcccgcgca aatgtggcgt gaaccgcttc gaaacaactg 1140
gccactgcct gatcggcgcc gaaacggcaa aagtgaacgt gattgcgcct catcgtggcg 1200
aagaaccttg catccagggc tttcacggca gcggcagcgt ctttttctcg ggggtgtaatc 1260
tgcggtgcgt tttctgccag aaccacgata ttgcgcataa acgtaacggc ttcgatctca 1320

ccccgagga gttagcgga tggtagatga aactacagga tatgggacac gtgcacaaca 1380
 ttaacctcgt cacaccagag catgtggtcc cccaggttgt gttgtctatt ctagcggcgc 1440
 gggatatggg cctgcggatc ccgattgtgt ataatacgtc ttcgtttgat agcctcgagt 1500
 ctttggaact gttggatgga ctggttgata tctacttacc ggatttcaag gtgtggaagt 1560
 cggaacgtc gaagaggctg ctgaaggcgg atgactatgc agagacggca agagagagta 1620
 tcaaggctat gcatgagcag gtgggggatt tgtcatttac gagcgatggg attgcgaaga 1680
 aggggtgtgt gctgaggcac cttgtgatgc ccgggaagga agatgagggc agggagatca 1740
 tgcggtggct ggcagagaat gtgagtaagg atctgtatgt gcatattatg gagcagtatc 1800
 ggcccgatgc g 1811

<210> 20130
 <211> 1816
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20130

tgcaatatga agttcatcct cccctcttc acttctctcc ctgtagccct cgctggctc 60
 ccgggcatcg acaaagacat ttactccgcc gcaggcacia acatcttcaa tgtgacatct 120
 gcctccagca aacgctggct cccggcctcg aaaaagatcc gcggcgtcaa ccttggcagc 180
 cactttgtca tcgagccgtg gatggccagc atggcatgga gcaatatggg ctgcagtggg 240
 caacgggtccg agttcgactg cgtgatggct ctggggcagg agactgccga ccaggccttt 300
 gcggaccact gggggtcctg gatcacgcag gacgatatca accagatggg acagtacggg 360
 ctcaacacaa tccgcatccc ggtagggtac tggctcaaag aggatcttgt ctacggggac 420
 tcggaacact tcccaaaagg agggataggg tatcttgagg acgtttgcgg gtgggcaagt 480
 gatgcgggca tgtatatcat catagatctg catggggctc ctggagcgca gcagcctaag 540
 cagccattta cgggacaggt gagtggcagt ctctactgg acattggtgc agagtggctt 600
 attaaatatg catgcagtat gccctaacc ctggcttcta ccaggactac cagtacgacc 660
 gggcgctgga gttcctcgag tggatgacga caagcatcca ccaaaataac aagttccgca 720
 acgtcggcat gcttgagata gtcaacgagc ctgtccagaa cgcagaccag gcctcctcca 780
 tgatcaacag ctactacca agcgcgttca ctgtaagacc atctgtcttc tcattcccaa 840

ccggtcaagc gaaagtatac taacgtctcc aagcgcatcc gcaacactga gtcacccctt 900
 ggcatcacca gcaacaacta cctgcacatc caaatgatga acgagaaatg gggctctggc 960
 gatccgaccc aatccctgac agacaattac ttcgccgct acgacgacca ccgctatgtg 1020
 aagtgggact ccagcgtcgc cgtggataag gaaagctata tcagcgcctc ctgtgtcgac 1080
 gaccgtggcg gcaactggcc gaccatcgtg ggcgagtga gtctcagcgt tcctgacaat 1140
 gtcgagcaca ctgcagactg ggagccatcg tccaacacgg acttttacgc gaggtgggtt 1200
 gcggcgagg cgattgcgta tgaaaagcag gagggctggg tgttctggtc gtggaaggcg 1260
 cagctggggg actacaggtg gtcgtataaa ggtgagttca ttcgtctttg gaagtgcatt 1320
 gctaatttta tagatgcggt tgatgctggg gttattccaa aggatctgga tagtatctat 1380
 gactactcgc cctgctaaag ggcacagtag caggaagaac aaggtagtca ttcggtagca 1440
 gcaaacgtcg cggcgactaa atgcgagttg atcgcgttcg aaagaagaag ccgtagcaat 1500
 actcaatcat taactggcca tggctgataa tgaaaaacag tagaccggaa ctgagtttcc 1560
 tctccttgaa gtcaagagcg actcctcaat gatattctat ccgtcagcat tcaatccgca 1620
 ggttgtagt ccaaacta tccaggcacc tggggggcca gagaaggacc gcttgtaact 1680
 gctggaaaaa aatttacaag gactacgca ataagtcttt ggagggttag gcagcaaatc 1740
 aagtagtcta tattcccctc aaggctggat tctactcac gagcaggtag tgttctattt 1800
 ggtgccacgc tgagcg 1816

<210> 20131
 <211> 1817
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20131

tcagtgcgaa tcccgctcc agagacttct tctatcgagg accatttctt ctggacctac 60
 acggaggagc cgcaccgttc acgacggcaa gcaatcatca aagcacaccc agaagtacgt 120
 ctctccgctt cacttccgac tctgtgcttc agagagctaa ctcgtagcat cttccaggta 180
 accaagctct gcggaccaga gccgttaacc aaatacgtgg tgctgggctg tgtttccctc 240
 cagatatgct gcgcatacct tctccgcgaa acgtccttct tctcctggcg gttctgggta 300
 acggcgtagc tgatcgagc cacttogaac caaacctct tccttgccat ccatgaaata 360

tcacataacc tcgctttccg gtcacctatg gcaaataaggc tcttggtat ctttgccaat 420
 cttcccattg gattgcccta cagcgccgct ttcagggtat gcatatacta aactccttg 480
 gttegcaata gaaaaagaaa ctgatcatat gcaatagccc taccatctca cccaccacaa 540
 atccctcggc gtcgctggcc tcgacaccga tcttcttaca gccttcgaag ccttcgtact 600
 cgactctctc ctgggcaaag ccttcttttg caccttccaa atcttcttct atgctgtccg 660
 ccccatgttt atctacagtc cgcccttcac aataattcac ctcataaacc tcttcgtcca 720
 attctccttc aactacatac tcacaaagat ctgcaacggc tccctcaacc cactcctcta 780
 cctccttctc agctccttcc tcggygttc cctccacccc tgcgaggcc acttcacgc 840
 cgagcactac tttttttcaa atgtagacca tggcacagaa tcactccggg aactgaaggg 900
 ggaaaagggc gaaaaacatc ctctcacctc ccttcgcct cggaaacgt actcatatta 960
 cggtccgctt aacattctca cctacaacgt tggctctgac aatgagcacc acgatttccc 1020
 cgctattccg tggacaaaac ttcataccct ccaccgaatt gctagcgagt ttacgagcc 1080
 tttaccctgc caccggagct gggctctgggt tatgtggacc tttatcctag atgagaatgt 1140
 cggtccgtgg tgccgtgtta agagggcaca aggtggtcgt cttgtgggag gtgggtgatgc 1200
 caccggtcgt gcaggagagg gaatttccgc tgggcccgc gaggcaaagt atgatgggtg 1260
 gaaagagagc gagattcaga attgatctgg tttaaatagg tctaccata tatgtagctt 1320
 aggcagattt tcgctatctt tctattctc tctattggat cgattcggat gataactggg 1380
 taatcgcata tctttgcgca cttcggtatg tacgctatgg atgcttgag tatcggagat 1440
 aatgatttcc tatcatccat atgatata gtctgcacac cctaaatact acaacctatc 1500
 aactacaagt cttatggact tgcttcagag aagacaaaaa aaaagctcct ccagaaaagg 1560
 cacgtaccag tatgcacgag attgcttgac ttttagcttt gcagtctatc cgtaagagcc 1620
 gcgtttctgt cttgaaggga agaagctata agtattcagt accattcgtg gtgattactt 1680
 atattatctg cctggctatc aaggcgggcy ttcgtctaga agtgatagta acctggagaa 1740
 taatatttac atcaagtttt aacgggaaaa ggcagaggca tgggatcgaa ggacgagata 1800
 gatcagtcta cagcca 1817

<210> 20132
 <211> 1817

<212> DNA
<213> Aspergillus nidulans

<400> 20132

aacttttact ctctggcaaa cttcctggat atgctctgga gaagtcattg gaaaatgagg 60
aacttatgag ccgtgttgat gccttcaccc gggcagtcaa aatccgcagg gctgtagtat 120
cgaggacccc cgcaacttct gcagtcacca gctctttgga aacttctaag ctgccctata 180
aggattacaa ttatgcgctt gtccatggtg cttgctgtga gaacggtatt ggcaccctgc 240
ctctgcctct tggagttgcc ggtccccttg ttattgatgg tcaaagctat ttcattccca 300
tggcaacaac tgaaggtggt ttggtagcca gtgccagtcg aggcgccaag gctattaacg 360
ctgggtggtg tgcagtgact gtcttaactg gcgatggcat gactcgcggt ccctgtgtcg 420
ggtttcttac acttgacgc gcagctgcag ctaaggctctg gctcgactcc gaggagggta 480
agagcgtcat gacagcagca ttcaactcta ccagccgctt tgctcgactg cagcacctga 540
agactgccct tgccggtacc tacttgtata tccggttcaa gacgactact ggcgatgcca 600
tgggtatgaa catgatttcg aaaggcgttg agaaagcact ccatgtcatg gctacagagt 660
gtggattcga cgacatggcc accatctctg tgtctggcaa cttttgtacc gacaagaaag 720
cagctgctct caactggatt gacggccgcg gcaaatcagt tgtggctgag gctattatcc 780
ccggtgatgt tgtgcgcaat gtgctaaaga gtgatgttga tgcattggtg gaattgaaca 840
ctagcaagaa tctgattggc agtgcaatgg caggtagctt gggcggtatc aacgctcacg 900
catcaaacat tgttactgca atctttctcg caactggtca agaccccgcg caaaatgtgg 960
agagcagcag ctgcattacc acgatgaaga agtaagtagt atactttgat gtctttctct 1020
cctggtcggc gctaaccacg ttttagtaca aatggcaatc ttcagatcgc tgtgtctatg 1080
ccttcaattg aggttggcac tatcgggtgt ggtactatcc tcgaagcgca ggggtgctatg 1140
cttgacttac taggcgtccg tggctctcac cccaccaacc ccggcgacaa cgcgcgtcag 1200
ctggctcgta ttgtggcagc cgcagtgcct gctggcgaac tgagtctatg ctctgcgctt 1260
gcggtcggac atcttgtcag agcgcacatg gccacaacc gcagtgcgcg tcccactcgg 1320
tcagcgaccc cggctctcag ggctgttggg gctacgcggg gactgtccat gacgtcttca 1380
agatagatat catgagtgca tgcctttctc cttcctacct tttacgataa atacgatgcg 1440
actaggcttt cttacgacgg ccattctgga actaactgtc cctcattcgg ttcgctcacc 1500

cggacttctt ccacttccgg cacacatttt ctgagctttt ttacatgtgg gttttacggc 1560
 gaccgtgaat catatgggtca gcctcatttt tttttgggag tctattgaat atactggagt 1620
 ctgggcatat acatagaact gcgctacgga ttgacctgaa caagagatat actaaaaagc 1680
 aaaggagacg agcagtcgct ctttgcacaa gggcagctgt tcgtcggact acatctgaag 1740
 atgattgttt gcaatgtatg gataataaca tgtgtatgaa taatacatat actagtcgaa 1800
 tcaacttcgc cgagcaa 1817

<210> 20133
 <211> 1830
 <212> DNA
 <213> Aspergillus nidulans

<400> 20133

cttgggatgc ctgggatgct attagaagaa cttgtaaata ccactccagg cttttcgtag 60
 gtaagaaaat aatatctgac ctttcttcga ttctgataat cgtgggctaag atacctgcta 120
 gctctctctt taccgaagca ccttccaccg atggctgttc agtcaagatg gcattctgag 180
 ccagtccact tgtttacat cgactcgaac acgttcatca aaaatcagaa aggatatcca 240
 gtcctaagta aagctcacca ggcactgatt tccaggttca tgcgtctccg caccgctcca 300
 tggatcttgc tttgcgatgt tggacctata ccagggttag agacggacaa tgcgtccagt 360
 ctccctggct ctgaataccc tagtcttgca caggctgcgg cttcaatcaa aaagcatcat 420
 gaccctactc cgcatctgtc atacatgaga aatcttcaat cacgtcagcc tccccgaact 480
 gccattgaga gattcggcac tggctaccaa gactacctgc aagcgccact gcagccctta 540
 actgtcaatc tggaaagtat cacatacgaa gtctttgaga aggaccctat caaatacgaa 600
 tgggatgagc gcgcgatcgc gaaggcttta agcgattggg tagaacaaaa aaagcccacg 660
 tcaaaccggg atggccgtgt ggtcgttgca gtagttggg ccggaagagg tcctttgggtg 720
 actagggctc tcaaagcaag cgctcagtcg ggtgttgaga ttgacttggtg ggttggtggag 780
 aagaacccaa atgcatttgt cttctccag cgtcacacg agaatctatg gggcggaaag 840
 gccagccttg tgactccga tatgcgtgct tggaaaggac cgcgcgtacg gaaaagcacc 900
 accttgctga cagaaccgt cgacagtcct ctgggtattg aaggccaatt tctctacact 960
 cctgacccta accaaaaaac tgcagattcc cctagcctgg acgtattga gtttgaggac 1020

tccaaaatcg atattgttgt ttctgagctt ctaggttctt tcggggacaa tgaactctcg 1080
 cccgaatgtc tagacggcgt caaccatctg ctgaatccag tacacggcat ctcaatccca 1140
 gcatcttaca cggcacatct cagcctatc tcagcgccaa aactccatgc ggatgtcacg 1200
 aaccagtcaa tcacaaaccc tgcagcacct gaaacgcctt atgtgggtcat gttacatgct 1260
 atagactacc tttctactaa ccaatccgac gccagcgcag gtaaccccg ctaggtcttca 1320
 gttgcgacag ttccatatga accaactaca ccatttgtcc aaacagcctg gtctttctcc 1380
 catcctaata gagatatacc tcctcagccg gcttcaacgt cgatgatata caatgcacac 1440
 aatgtgcgcc ggactcgttt aacgttcccg gtcccaaata gtggagtttg ccacggcctt 1500
 gcaggctact tcgaaacagt cctgtaccgc gatgtggaac tgtccaccaa cccggtcact 1560
 atggacagca agagcgcgaa catgatcagt tggttcccg tctactttcc gctcaaggta 1620
 aggcgccctg gatgaggctg aaaagggtgc gatatctaac tagtgccatg acacctctaa 1680
 atgtccccga caatggcgaa attgtcgcga caatgtaccg acagaccgat gaccgaaaag 1740
 tgtgttacga gtggatggtg gaagttttcg ctttggaggg tggctcagaa ccagcatcag 1800
 catcagcgcc acggtcagaa cgcacgcgcc 1830

<210> 20134
 <211> 1832
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20134

attctccggc cagcccaacc ccagttgcag cgtagtgtag tgcagcctca ctctcacgtc 60
 agacaaacag atcgggcatt ttacgggag gtatgaagat acgaagggtg gacacgggag 120
 gtacggtagg tacgaaaaac ggacagacga atacgggtccg catacaaccg gcgtatggta 180
 tccatacgat atggatacgg tgtgggtaca attgtaacgg taacaatacc gtaccggtag 240
 agtaccatgg cagtggcagc caatgtggca gccaatcttt agacgaccag ctgggtcact 300
 ctactgccc gtcatagcca ggacaatccg cgtcgacgta tgataccggc agaggttctt 360
 ctccggctt ctggaactcg cgttttccat gacccttaca ctccatacgc tccatacatt 420
 ccatacatgt cgtcatcgcc gtcactgctc agcctcggcc cgattcagac tgactgcgga 480
 ctattatccc ggggctatt ttccctotta tcctcttata ttgctactt cgatcagatc 540

taattgtact atattatact gtaagcttac tgacttgagc tctgacttga gctgaggggc 600
 agagtatcct ctgattatct acatatatcg tatctaacc taacccgctc acccgctaac 660
 ctggctatcc cactctattg tacgaagtca ttatggcct ctaccatgag tccaagccag 720
 agccagagac tgggcttcgg aaggaaaatg agaatgaaaa tgagcataaa aatgaggatg 780
 agatagaaat tgaaccgcag gtccatatcg tcgaagtctc cccgcgcgac ggctgcaga 840
 acatccccga gttcatcccc actgagatca aggtcgccct gatccgccc gtagcaggca 900
 ccggtctaca gacgatcgag atcgccctcg tctgtctcc aaaggtggg cgcagttgg 960
 cggattggag ggctgtgctt ggacatcggg ttgtcaggcg gctgtcacag tccgggggcg 1020
 gcgggccagc ctctgcttct gagtcagact cagagtcaga gtcagagtca agccagcaaa 1080
 gcgagtctag ctctgagtc gagactgaat ttgaactgga acttgagccg cgagagggct 1140
 tctgccttcc catcctcctg cccaacctca aagggtatc cctcctgctc tcgactcac 1200
 cccggccacc cataagatcc atatgctct tcatctccgc caccgcgcc ttcagccatc 1260
 gcaacatcaa ttgctctgtt gacgacgggc ttcttcgagc ccgcgaggtg acggtcgctg 1320
 caaaaaaagc cggaatcccc cgagtcgcg agtatatc gtgtatcttc actgacccaa 1380
 tcacgcgtga accaacggat cctctgctg tgctgactg tacgagattc ttacttgagt 1440
 ctggggctga tgaaattgcg ttgagtga ca gatggatc ggggtcccc ggtctcactt 1500
 cctcgttact gaggtatctt cttgagaacg gagttcccg ggacaggttg gcgtgccatt 1560
 tccacgatac gcgggtagg ggactggaga atgtgtgggc ggcgtatgaa gttgggggtca 1620
 gggctcttga cgggagtgtt gctggactgg gaggggtgcc gtttgcgccg ggggcgaggg 1680
 ggaatgtgga tacggtgagt ttggtgaaga tgtttgagga gaacgggggtg agaacgggtg 1740
 ttgatctggg cttacttgat gaggttggca agtgggtaaa ggggcgtctg aggggatata 1800
 gagagtgtgg taggaatggc gatggaaacg gg 1832

<210> 20135
 <211> 1833
 <212> DNA
 <213> Aspergillus nidulans

 <400> 20135

cgcccaagcg aagatgggtc agttacatct gggatacatt cgataagtca cccgaggagc 60

gacggcttct cacgaagctt gatgctgcaa ttctctcttt cgcacgtta ggtgagttat 120
tgtttccagg cttgcggtca cacttcacca ccatcgcac tcgctaacia cagatcattt 180
ccaggatact tcatcaaata tctcgaccag attaacataa acaatgcctt tgtttctggg 240
atgtacgttc gttgctccca aagccctcct ctgctctaca ccacatgaag aaggacaagg 300
cctgatagaa cgtaggaaag aagatttggg catgtatcaa aaccaattga actacatgca 360
agccgcatgg actgtgggct acgtaatcgg cgagatcccg agcaatatca tgctcaciaa 420
ggttcggccg cggatttggc tgctcgcat ggaggtaggg ctcaattatg ctcttagaca 480
tgaggaggat cgtaatcac tgtcaccgct tagctcctct ggacagttct gacgatgtgt 540
ctctctcgt gtaataaggc atcgcatgtc tacgtgctga ggttctttat cggatgcaa 600
aacctcgata ctagccagca atgctctagc ccagaatgc taatactacg tgctcgagg 660
cctcgccgag agcacattct accccggcat gcagtacatc attggctcgt ggtatcgaaa 720
agacgagctg gctaagaggc catgtatctt ccatacaagc agtggcatcg ccagtatgtt 780
ttcgggatat ctgatggccg gcgtgtacia tcttgggtgg aggggaggct ttaaggggtg 840
gcagtggat ttcgcttccc aagactttat cgctctaate atgggatagc atgcactgac 900
gaaggataca ggctatttat cattgacggg gttatatccc tcccagttgc tctattgggc 960
tttgtcatct taccagatgt gccggaaate tctaatecgt ggtatttgac caagcaagta 1020
tgtttgcccc tcttcaaata ggacaaggcg ggactaaaca ggataaagga ggtacaactc 1080
tgccagaaac gaatggagct cgaaggccgc aagaacagag gaccgtacac aaaagcgaaa 1140
ctcaagaaga tctcacctc atggcatate tattttctta ccggactgta catgtacgat 1200
gaccaacact gccaaagaca aagaacttat ttctgacggc cgcagaacgt ttaacaacgc 1260
caatggcggc cagccgtct tccaacagta cctcaaggcc tcgacgaacc cagtttactc 1320
ggttggacag ataaactcct acccaacaac aacctatgcg gtgcaagttt ttacaacct 1380
tgtctacgt tgtacgtccc aattcatcca tccagccaag tggaagctaa tccagtgcac 1440
ctgcagggac gtctgactcc atcctccgtg gcgtcgtctg gcccccaate ctggtggcg 1500
cagtctcaaa cataacatgc tacacctcac tagccgtctg ggacattcct gatgggtgga 1560
aatggacatg ttacatcatg tctggtgctg ggtacggact tagcgtctg tgcattggat 1620
gggcgcacga gatctgcagc ggtgacaacg aagagcgccg tctagttgtg ggctctatga 1680

acgagatggc gtatgtgttt caagcatggc tgcctcaggt cgtttggcag cagattgatg 1740
 ctccccaata tagaaagggg ttcattacgg ggacgggtgat gagtgtcctc ctgataattt 1800
 tcacgtcttc aatacgcagc ttgcagacga ggg 1833

<210> 20136
 <211> 1833
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20136

aaccatacgc aactcagtcg tgttgagggt gagaacattc atctcttctc aaccctcggt 60
 gaccgattgc aacatcaacc cccgggcacg attctccggg aacctcaaatt ccaggaattg 120
 tatgaaagta tcggagcgcg tcggccaaag ctggcacgca gctatgggtga aacgatgagc 180
 aagcatggta atgttctaga cttctactga agcactgata taactaaccg ggtagacac 240
 tttgctggat ctccatgcc aactgtccac agtggtagca tattacgacg gcatgttgga 300
 agaaagacta tcgagcgcg actcgcgaaca taacctgggt tacggccccg tccctggggg 360
 cgctcaatac ccgaacatct acccatcgat gccttctaca acagctgaag tgagaccggg 420
 cgcagaaaat ttctattacg ggaattcggg cgtcgaacca ccagcgctcg ctgcacgcc 480
 ttactcgcag ccacctcttg aacgcgagaa cggcgtgggt agctcttcga tgcacccacc 540
 acttcaacag cttctctcag gtccgtactg gaaccggaat aatcattcaa tcgcatcgcc 600
 tcagccaaac gtcaacgcg tcaatagcaa taacacgcct taccctggcc caggtgctcc 660
 gtcacaattc tatacttcct cggcatacca agaaccggag aagctgtttc agcaacctag 720
 gcaaggggag cctgagtcgc cttaccagcc gtctccagt acgaatcgcg actcgtacta 780
 tcagtccgca gggttgccgt ccaaccctgt agagcaacag ccgccagtcg atcatgggca 840
 atccccaggt cacgcgcagc cagcagattc gcgatcatcg cagtcggggc agcctaaagc 900
 gactgaccgt cggctcaatc gtattatcta ccacaggagc aacaacagca acaacaacaa 960
 caacagcagc agtctgcaca aggaacgggc taccaaggat atccccaggg aaacacaaat 1020
 taccaagctc cttacggagg ggacgtctct cctatcagcg cggccctcc tgtgcagtat 1080
 cagcaaccag cggcgctcgc accggttggt gaggagagcc tgatcgagtt gtagcctcac 1140
 ctttctgacg atcctttaat ttgtgtttta tgctacctta tgataccaga tgaattggcc 1200

tttcctgggtt gcaaaattgg atgtacattg ttcctgatag tagcaataat ttctctaaat 1260
 ttcgatttgc gttgacttgg tatggggtag tggcgagtct agactctaca ctagtgactc 1320
 gattgcggcg ataaaaagct ggatgggaac ggcggaataa cgcgtaatag aatcctcgcc 1380
 agtcttccctt ggaactgaca atctctctc ttcacttcca ccatcacctc catctctacc 1440
 cctcttccgc tcgttccatc tcatacaata cctgatatac ctcgttcgac agcccttctc 1500
 ttccgccccga tctccctca ggccgcccag gtcgcttctc aacctctgac caactcgctg 1560
 taatctacca atcgactggc cccgcgcttg tcagtagctg gggaacagct atcgcttacc 1620
 aataatagct tttctttccg tttcttttct tgctgtttca tggtcgaatc ggcccagctg 1680
 tgttacagac tattattgct aagtgaagga taattgcagg aggcagcctc caatcactga 1740
 taccgatctc tgccgatagc tgctggtcgc ccaattcgga cctttcttcc ctgctaccgc 1800
 catgccgacg acttcaaaca acgcgtcccc cgt 1833

<210> 20137
 <211> 1836
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20137

cgcagtgatt ctctccctgc accacaccta ttccaccccc tcttttgtgt cttgattctc 60
 ggggcctagc cgggattctg ccgagcgaca ttccgcaatc ctatgctttg catgccgctg 120
 accggttctg atttcttagt tgcaccgcga gagggtctct gtcaagcccc tcaacacccc 180
 gatcacgccg ctttgagta agtacacgct agcgacagct ctgcatttag acttcacata 240
 gcttccctttt ctttggtaca attatcctcc cattatatac tggcttgcta ttgcaatggc 300
 tgacagtgac gacaagcgag cctgacaacg ctgacctggg agcacgtccg ctcagcaggc 360
 agcttccgcg atgccatcaa ccggtttgac gccttcgccc aggaacacct cttggatagg 420
 aagctggaat tcgcctttgt gaccttgat tcgtgggata ttccgggttca gctgccccga 480
 gaggctcgag ataaagcagt tgccttccc gcgtaccttc aacctcgcg gacatttgac 540
 cttcgcaacc agtaccagag atggcaaacc caccacccc aatctcttcc ctttggctcc 600
 agctctctct ccaacatctg tgctgcgctc gaagtgaac ccgttcagtc ctctgccccg 660
 atcaagcata accttcatt ccacctgcag gctttggcgc ccgcttcccc ccgtcggggc 720

atggacgagg ctgttacact ggcccagatt ctccgggggc tgattaggaa gtctcagccc 780
 gtcacatgagc atccggagat tcttactcgg ccaatggatg cgagagcgga tgttcgtgct 840
 ttcttggcag agcgtacaca ggtgcttcat ctgagtgggc tgcctcacga tactactcag 900
 tcagaattgg agagctgggt taccagttt ggcggtcgcc cgatcgcttt ctggactctt 960
 cgtactccgg accagcacia accgaccggt accggattcg ccgtcttttc atctcatgaa 1020
 gagtaagtc caaccgtgtc ttactcctc tcgtctcaca aatctaakat gaaacaggct 1080
 gcggagagcc tctgcatgaa cggacgtgcc ctcaatgaga aagccattga ggtttctcca 1140
 tcatctagcc gtgttcttga ccgagcagca gagattctaa ccccgttccc cccgtcgaag 1200
 aaccgccctc gaccgggaga ctggacctgc ccctcttggt ggttctccaa ctttcaacgc 1260
 cgtacagcgt gcttccgatg ctctttccct gcgatagccg ctaaccctga cccaatggct 1320
 tacgggtacg gctatgggccc tccctcgatg atgccacccc acgttggcgg ccatggtcac 1380
 ggaatgggac actctcgtgg cggtaatggt ggagtgggtc cattccgtgc gggtgattgg 1440
 aagtgtggtt ctgaggggtt cggttaccat aacttcgcca agaacaatcaa ctgtttgcgc 1500
 tgcggcgccc ctcgatcagg agctgctgtc gttgccgact cggcgtttcc ctccccaatg 1560
 gaccctccgt cgaacttcgg ccacagctcc atgagcagca cccagcacc tggcccattt 1620
 gcttccaccg gcgctgcatt tggcggattc aaccagcctt tcggagggca tctgtctacc 1680
 tatggactcc cttccggcct tggaagcgt cctggcgcgt atccacctat ggggcagatg 1740
 acccccggtt atggttcaac aaactcctct catgctgccg cctctttcgc caaccggca 1800
 acccaggcgg ctttcaactgg agcagaccac acctcc 1836

<210> 20138
 <211> 1839
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20138

ccatccaggg cgaggaggtg cagacggtga ccgagggccc ccgtgacacc agcctgaagg 60
 ccaactggcg tgtgttcgcc atcacctgt acatgggcat cgccttggtc gagtatggct 120
 tcgacaaggg cgccattgcg ggcttccaag caatgcctgg gttcttgag gtgtttggat 180
 atcagactga gtctggcgag tgggatattc atgtacagcg ctccatttct ttccctcagc 240

attttctctt ttctccatt gcctgatata catctctctt ttgttaacac tgcgtctca 300
 ccgattagge cggccccaa caaatcatca cctcggtcat gattctcgge agcgtcatcg 360
 gctccctect gacgggtttt gtcggcgctc gcattggccg tcggtatgga ttgatgctgg 420
 gctcactgat tgtgatcatc tgcgtcgtga tcatgtcaga aacgaccgtt ctcgagctc 480
 tctacttttc cagactctta atcggtatag gaaacggcct tctgctgaac tttaccgtgc 540
 tctacctgca ggagtgcacc cctcctcgct ttgggggcct ttgcctgagc atggctactt 600
 gctggatcac cattgggacg acgattggga tggtagtct cctccattcg ccctatcctt 660
 ggtttgaaga ttaggaaaga aagttgctaa tataaacgta ggtgatcaat caccaaacca 720
 acggcatgat gagtcgagag gcataccgta tccctcttta cgtctgctat cctgcccctg 780
 ctatcctcat cctcacgctg ccgctcctcc ccgagtctcc ccgctggctc cttcagcacg 840
 gaaagccaga ggccgcgctt cgtagtcttc agtttttccg acaagggtgcc tacgacgaag 900
 ttgcggtgca gcaggagttc gaggagatga aggcagcagc ggcaacgcgag agagaccaag 960
 agattcatca gaacaaatgg cttctcttct tcgaattatt ccgcggtcat aatcttcgca 1020
 ggaccatcat tgcagttgcg gtgggcacag ccaatgccgc tgcggtgcc atgttcatcc 1080
 tatcgatgg gacatacttt ttccaggtgg tgcgtcatcc cctcccgctc ataccatcac 1140
 tgggtctaac aggttctcca acaggcaaat gtcggagatc cattcaagtg gattatcgctg 1200
 accaactgcg tcggtctcgc ggggtctgtt accacctggg ccatcgtcac tcatgtcgga 1260
 cgccggcgaa tcatcctcgc aggatgcgta atatgcacc tccctatgct cgtcatggca 1320
 gccgtctact ccgcgccccaa cgtttccgca gacggtgcag gcattgccct agtcgtgatc 1380
 gtctcgatct acgtcttcggt atttaatttc ggctcgaac cttacgtcta ccttggtgcc 1440
 ggcgagatgc cttccagaa ccttcgagge tacacaatgg gcctgtcgac cgcggtcagc 1500
 tttgtgtttg cgtggctgag cgcttttaca acccgtact tcatcaaccc gggtagctc 1560
 aactggggcc ccaagtatgg ctacatctgg tttggcagcg gtatcatcac caccgcgttc 1620
 ctgtggtact atctgccgga ggtaaggggc cgcacgctgg aggagatcga tgagatgttc 1680
 cggaacaatg tgcccacgcg agcattcgcc aagtatgtgt gtgtggagag aatggaggca 1740
 aatgcacgcg cggctctccac tgttaagggg gagagtaagc ctaatgccac tcatgtggag 1800
 gttgcttgag ctgacgggtt cgaacttact caaaacaag 1839

<210> 20139
 <211> 1839
 <212> DNA
 <213> Aspergillus nidulans

<400> 20139

```

ggccgctttc atgggcattg cccttgata catatctcgt tccgtggccg gaagctacga 60
caatgaagcc attgccatat tctcctcgt tttcaccttc ttcttatgga ttaaggcggt 120
caagaacggt tccattatgt ggggagcact ggctgctctg ttttatggct acatgggtctc 180
cgctgggggt gggatatgat tcattaccaa ctgatcccc ctgcatgtct ttgtcctgct 240
ctgcatgggg agatatagcc ccaggctgta catcagttac acgacatggg atgcgctagg 300
aactcttgcc agcatgcaaa ttccttttgt tgggttcctg ccaatccgga acagtgaaca 360
catgtccgcc ctgggtaagc gtgattctta tggagccaca gcagtgtgct aatcatggct 420
caggtgtctt tggcttgcta caacttgttg ccttcgcgga gtttgtgcgc agttacattc 480
ctggcaagca gttccagaga ctgctgactg cctccatcat cctaattaca ggctcgcct 540
tcgcggggct tgttgtcttg agcatgtcag ggattatcgc cccttgagc ggctgtttct 600
attcactgtg ggataccggc tatgccaaaa tccacattcc cattattgct tcggtctcag 660
agcatcagcc caccgcttg ccattattct tcttcgatct caacttccta atctggctct 720
tcctgcggg tgtttacatg tgcttccgtg atctcagaga cgagcacgtg tttgtcatca 780
tctacgtgt ccttgcgagc tactttgctg gcgttatggg acgattgatg ctgaccttga 840
ctcctattgt gtgcgttgcg gctgccctgg tcttatcata cattctcgac acttatttga 900
agacttcacc cggcccggtt acacggggaa ggtctaacga tgaatcctcc gaaggtctcc 960
gttctgccag gtctcctgaa gtcggaatca cttcttactt ctccaaagct gtcacgacat 1020
ccgccgctat tgtatacctt ctctgttcg ttgcgactg cacctgggtg acatcgaacg 1080
cctattcatc tccatctgac gccctgtcga gccggatgcc ggacagaagc caatttatca 1140
tcgacgatta ccgagaggct tactactggc ttcccgagaa ccccccgca aacgccaaga 1200
tcatgtcttg gtgggattat gggtacaaa tcggcggcat ggcagatcgc ccaacgcttg 1260
tcgacagcaa cacgtggaat aacactcata ttgctactgt cggaaaggcc atgagctcac 1320
gcgaggaagt cagttaccca attctccgcc aacatgatgt tgactatgtc ttggtggttt 1380

```

ttggtggatt gttaggggat tctggtgatg atatcaacaa attcctttgg atggtccgta 1440
 tagcagaagg tatctggccc gacgaggtaa aggagcgaga ttttttcacc gcgaggggag 1500
 agtaccgogt ggacgaccaa gccaccccaa ccatgcgcaa cagcttaatg taaggcattt 1560
 ggatttcagt atattgagtg aagtacttac tgactacgct tacaggtaca aaatgtcgta 1620
 ccacaacttt aacaagctct tccctatggg ccaggctact gaccgtgtcc gcggagccaa 1680
 gcttccggcc gagagccctc agctctctac tctggaagaa gccttcacca gtgaaaactg 1740
 gattatccgc atctacaagg tcaaggatct cgacaacctg gggcgggacc acagcaacgc 1800
 cgtcgccttt gaccgcggga acaagcggaa gaaggcgag 1839

<210> 20140
 <211> 1839
 <212> DNA
 <213> Aspergillus nidulans

<400> 20140

cactttttac attgtttact ctgtactatc tcctccttca tcccggtgctg accatccgtc 60
 gaacgcgtac aggtcatcaa ggctctctac gattatcaac ccgaaccagg gaacaccag 120
 gaattggcat ttagcaaggc cgatttcttc cacgttatca gcaggggaaga cgactcggac 180
 tggtagcaag cgtgcaatcc ccttatccct accgccaggg ggctgggttc cgtgaccttt 240
 ttcgaagtta tcggcaaaac ccagcgagac agcagcggat ccatcgacct gggcaagaaa 300
 aaggaaccgc acgactctgg cttcgtgat cgcgctactt cttcagggttc tgaatttggt 360
 tcaggctcct ctaagtctta tcagtcgcac cccgattcc cccgaacttc catgatgggc 420
 aaagccggcg gaggcgcat ggtgtatggg gtcgttcagt acgatttcca ggctgaacgg 480
 cccgatgagt tagacgcaa agcaggcgag gccatcatcg tcatcgcca atcgaacct 540
 gaatgggttc tcgcaaaacc catcggtcgc cttgggggtc ccggcctgat tcccgtttcg 600
 tttatcgagc ttcgtgacat gcagagtggg caggctgttg cagacccgct cgaggctgtc 660
 aggcgcgctg gtgttccaaa agtggaggag tggaaaaaga tgactgccga atataaaaac 720
 agcagcatca gtctaggtaa aatcgagacg actggctcca tgcaatccgt cacttcgggt 780
 atggagagga tgtcagtgcg acagagcgcg gaccatgtga gccacatgag tcaaacggc 840
 catgctaata taagtcaata ctctagcggg attcatcttc gacctaacat gtacaggcgt 900

accataaccg aaacgcgagc aaggcgtcta ttgccccgtc taccatcag caaccgccgc 960
 cccacagtca gcaaccctta gtcgcaccca ttgtgcctc gatccctcgg tactgcttcg 1020
 acaatgataa gtactggtac atcattgaag ttaagatgga ggacgggtcg tgctgggagc 1080
 tgtcgcgata ctaccacgac ttttatgatt tccagattgc tctgttgacc cagtttgagg 1140
 aggaggcagg caatcggggc aaaccccgaa ccctaccatt catgcccggc cctgtcgtc 1200
 acgttaccga tgccatttct gacggccgcc ggcataattt ggatgaatat atcaagaagc 1260
 tcttggtat gctccacac atcaccgat gcgtctcgt ccgtcagctc ttgcgcctc 1320
 gtccaggcga ctccgagatt gacccgagt cttttggaga agatgcccg ttctcaggcg 1380
 gctcgcagca ctcgtctggc catgagcttt ctcccagcgc ctcaaggcaa tcgtcgcaac 1440
 aacagaatgg gccttcggaa cgaagctctc actctcactc ccattcacac tcccactcgc 1500
 accagcgatc tcagacttcc agctctattc ccaacggaaa gcccccatg gtccgacagc 1560
 aaagttctct tactcaagtc tcaacctcaa gtggtggtgc tttgaaagtc aaggtaatt 1620
 tccaagacga tctcattgct atccgcgtcc cgagcgatat caatgtccag cagctaaaag 1680
 aaaagcttat ggaccggttg aagatcaatg acgagatcgt ggtgcaatac aaggatgagg 1740
 cgtcggggcg ctacgtcgac cttatcagcg acagcgatct cgataccgct atccagcgga 1800
 attccaaact taccctctac gttggactcg catagaata 1839

<210> 20141
 <211> 1839
 <212> DNA
 <213> Aspergillus nidulans

<400> 20141
 gttgattcgt ttgactcttg cgttcaceta tttcagacgt ccttcacat gaaattccgg 60
 cttaaaggct cgacggttgg tcttctttcg tggctggctg tggccgcggc ccaaacatat 120
 accgactgca atccgctgga acaaagtgag acctctgcc gttaatgggg cctaaaatgc 180
 taatatcttg aaggttgtcc cgcagatcct gactggggc gtcgcccaa ttacgacttc 240
 acccagggcg catctgatga ctttaccgaa gtcatgtcgc cgtcttatgg cagcgacgga 300
 gcgagtttca ccgtggcaaa acaaggcgat gtcgcgtga tacagtcgga ctggtacatc 360
 atgttcggac acgtcgaatt tgtgattaag gccgcacctg gagtcggcat cgtcagtagt 420

gccgtcttgc aatcagatga tctggacgaa atcgactggg agtggcttgg gggcaataat 480
 gaatatgtcc aaacaaatta ctttggaag ggcaacaccg ccacctataa ccgtgcagct 540
 acccatgcc aatcaggaaa tcacgattcc tttcatacgt ataccattga ctggacttca 600
 tcccatgtcg tatggcagat tgacggcaac actgttcgtg tacttactcc cgactctgca 660
 gagagcaacc aatatacctca aacacctatg atggtgaaag ttggagtctg ggccggtggt 720
 gacccaaca ataagaggg cagatccgt gagtttatct ctctctgctg ccctgttagg 780
 gcaatatata taacggaatt tgctaataa cttgtagaat gggcgggggg agaaactgat 840
 tataccgctg gacccttcac gatgtacctg aagtcatta aggtgaccga ctattcgacc 900
 ggcaactctt atacatacag tgacaacagc gggcatggc agtcaataat atcagatggg 960
 ggcaagatca atggcaatag tgccgctcag tcaatgactg atatcgggac ggtgccctca 1020
 ataaccgca ctgccgacag cgggccgatt ccctttgagg gaacgcacg cgaaaccaca 1080
 agtttctcca cgcccagtat ctatccttgg gtccccggc caagtagcga cgacgattcg 1140
 gactcatctc cgtccacaaa cttgccagga gattggcatt ttgctggcag cggaaaacct 1200
 cagccacca gccggtctc tatgagttag cattgcccac aattccgttt tataccctcg 1260
 tcaaatttca tgctaaagcg atgcctcttc acaaccagc atatgcgccc gtctatgtct 1320
 gcctcgatc acttctggtc ggggtttatac tccccctcg accttgaacc tacggacgaa 1380
 tctcctcggt ggggtgttcc tgaaacagac ccagcagagc tatccgacgc cactaccgac 1440
 gaatttagaa gagtgtcagc cacgtcagga caggatcgca atggcctcac cataagtgcc 1500
 gcgaaccgca tcttcaaaat ctcttgggtt ttgggtgcct cttgtgcgct tctaggttagc 1560
 ctgctagtat ctgcctgaga aagatcattc acaaaactac tgaatcgact tccaagctgg 1620
 caggcgcatt caccacgac tctctagaga tacgcgacga acattcacga ataaacgaat 1680
 tctcttacgg ttacggcgct ggcttaaagg atgaatttc ccgtccgttt ctccctctc 1740
 ttctacatc tatttccagg attggatggc cagtcttcga agtggaaacg gcaggatccc 1800
 tcgaggtaaa atttccatct tccgtcaatt caccagctc 1839

<210> 20142
 <211> 1841
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20142

ggcaccacga gaacttggac gagatggacg aagaagacga cgaaggagca tccagctctg 60
ctgctccgcc tcccatgccg cagattccac agcaatatgt gaacggaggc aagtgagcct 120
tcgataatag tgcagtcaaa ccccgagatt gactttcctc ttgtatatcc cggagcgctt 180
tgagttatgt tgacaagcag acgagtgatg aataagtctg gttttttttt tttcctaagg 240
tactgtgtta tctatgagct tgattttctc ctgcttctctg aataattttg atagatcttg 300
ctcttctctg tgagcaaagt tgacatttgc atttcgaata tacgaggctg acaatgttat 360
ccacaattat tttgcgatga atcacaggag ctgcgtatgc atttacctat atatagcccg 420
tggttctagc tatataatga cagcttggca ctgaggagag gagagcctgt agcctgtcgc 480
aacaaatttc acaaatcatg agggatcgta cgaccggatc catgagacta gtcttgaaag 540
agaagtggtc tagatgtgat aaatagattt gtatgactca attagttgag ttgataccta 600
gtttcgctcc tgaagcggga gttgtgtttt gtttgtgctc cccccggct tgctcctgca 660
tcttctctc tttctctaag catctcctct tccacatctt accgttttga atccatcctt 720
gttatcgatt ttatatctac tacttctcat tcagtttgat ttgcgaccat ggccgagcag 780
gcaaagctac cagaccagcc cagccagttc ctgagaccga ggtcccggac aacggcaagc 840
ctgagcagca gcccaccgca accgagtcg cgctgcacc ggaacctgcc actacagagc 900
ccaccactgc tgcaactgct ccttcagctg tagatggtac cggagaaaact gctcctgctg 960
cacctgagcc cgcagtgcgc cagtagcagc cgcagccgca gctccagctc cagagcctac 1020
caagtccgaa ccgcagcccg cagttggtga acagagcgaa cccgcgaaga aagatgagcc 1080
cgcaaagcct gaatacttca ccaaaactcc tgcactcgag cagttcttctg atcgtctccc 1140
taccattctt tccaataccg gccatcagga gatgtggggg gtaccctga agcatgaagt 1200
taccgatatc ccacaaatca acgtccttat caaatctctc cgagcaaacg ccggtgacct 1260
taaagctgca gaggatcagc taagcaaggc tttgacctgg cgcaaagaga acgatcccat 1320
tgctttggct gatgctcaa agaacagcta tgatgcatcc aagttcaaag gggtgggata 1380
cctgactacc tatcagcgcg aggggaaggg tgatttggtt gtcacttga atatctatgg 1440
tgctgtcaag aagtttgacg aaacttcggc gatatcactg agtatgtagc tgtcattcct 1500
tccctcgaga catttagcta atggaaaggt caggtttatc aagtggcgcg cagctcttat 1560

ggaactagct gtccaggagc ttaagctgga ccaggctacg tcagtcattg actacgatgg 1620
cgaggacccc tatcaaatga tccaagtcca cgactactta aatgtcagct ttctccgcat 1680
gaacccgaac gtcaaggcgg caaccaagaa gaccattgac gtcttcagta ccgcttacct 1740
ggagcttctg cgcgaaaagt tcttcgtcaa cgtcccagcc attatgggct ggatgtttgc 1800
tgtaatgaaa gtatttgtca accagaacac cgcccgcaag t 1841

<210> 20143
<211> 1842
<212> DNA
<213> Aspergillus nidulans

<400> 20143

cctgaacctg aacgaatgcg cctactgaca agaatgcgtg ccagaccagc ctctctcaaa 60
ctctgctggt gagccaattt ctctctaga cgtcatggat gcctcgtgag aaccaacca 120
acttctctcg cagttcggcg aaactgtgaa caacataatc ggccgcacgt tgaaccccat 180
caaccagaat ctctcatgtg gaggtcatc tggaggtgag tttgaatgat tttccctgac 240
accactatt cttacatgcy tccaggcgaa gggcggttat cagccttgca cggtagctct 300
gtcggcctag gcacagacat aggttaactt tctactgtcaa gcagcctagt accttatcat 360
gagagttaga gaactaataa ctacaggtgg ttctgtgcgc attccggccg gtttctgtgg 420
gatattctcg ctcaaaccaa cccacaaccg ctttctctac cgggacgtgg ccaacgttgt 480
aagttaacct cttgcctagt caaaggagag caagcaagca gaagagccat attgatcaaa 540
ccactagatt cccgggcaaa cgacctatgc gtcttctgtc ggggtactgg gtaacacgat 600
tgaagccata catctagtcc tcagctcgct catctcgact gagccctggc tccgagacct 660
gaatgttgcc tctctcccggt ggccgcagaa catagcagat gagaccctct cccgagcagg 720
caaaggaggc caatgcactt ctgctggaga caagcaacct ctaaaacttg gggttctctg 780
gacagatgga gtcgtgacct ctacccgcc tgtggcacga ggctgcgtt tgactgtcga 840
cgcggtgaaa aaagcgggcc acagggtacg cattcaactc gtctcagggg gttctcgaag 900
agagccagtc tacatctata ttccggatta ctgacaaagt ctttctcag gtcgtagact 960
ggacgcccc ctcccaggca acggccaaaa gagtccatgt gagcccgcg ttttatctcc 1020
cattcactgt cccggacagc ctgaagcaca aaaacagcta acccgagcat aaggtctcct 1080

ttctgaaagc cgatggggcc acgacatcaa ccgccagctc gatctatccg gggagccatt 1140
 gatcccccaa ctgagggatt cattcactct togagatcca atgtctctcc tcaaatacca 1200
 ggccctcaca atcgagggac gggattacga agcggttat tcggattatt ggaacgagac 1260
 ggccaatgcc gaagacggta tgctccttta tccatgccga ccttccaaag acttctgtag 1320
 atggagaccc accaacadat ccgatacgat tctcactagc cggttgcagg acagatagtt 1380
 gacgccgtga tcatgcccgt cgcaccacat gcagcagtca taccaggga attttatcat 1440
 acaggtagac taccactag acgtcccctt cctccgtct tccttgccct gaacccccca 1500
 agcgggatgc gcgcgtgagc aattggagt ctgtacaatt attgacgaac catatggtcc 1560
 tcgagtagcg tataccgagg ccattaactt gctcgattat agcactgttg tcatacccg 1620
 cacgagagca gacaagaacc aggatctagc ggacccggac tatgcgccgt tgaatgaact 1680
 tgacgcgaag aattgggagg cttgtaagtg ttcgctatcg cgcgagagat tcgcaagcca 1740
 ccgctgacac ctggtaccta gatgatgcgg atatctacga tggcgcccct gtcggtgtgc 1800
 agattgtcgc gagaaagtac gaagaggaga agatctgggc ga 1842

<210> 20144
 <211> 1844
 <212> DNA
 <213> Aspergillus nidulans

<400> 20144

aggtgctggt cgtcggtggc gggccagctg gctcctatgc ggccctggcg cttgcacgag 60
 agggaatcga cgtggtcctc cttgaagcag aaaagtttcc taggtgcgct tccaggaatt 120
 tgagagtgat ggctttcatt attcgtgatg ttcccatatt cttacacgtg caccagatac 180
 catattggtg aaagcatgct tccgtccatg cgacacttcc tgaagtttat cgacgcctac 240
 gacaagtggg atgcccattg tttcaatatc aaggtaagaa aaaagacgac aaccctccag 300
 ctttaaaaga acaccactgc taatgctcag agcagaaagg cggcgccctc cgccctcaact 360
 ggtccagacc tgaaacctgt aagcctcagc tgatctaatt gccacggcag agattccaac 420
 taaccatcaa cgtcgtctat tagacacgga tttcattgct gccggtgggc cggggggcta 480
 cgccctggcat gtgatccggt ctgaggcaga cgagctgctg ttcaagcacg ccgccgaatg 540
 cgcggtgccag acctttgatg agaccaaggt ggcattccatt gagttttcct ctcccgatct 600

ctcgctctgga ggcacgcacc cctttggtcg ccccgctctct gcgacgtgga ctcgcaagga 660
 cgggacttca ggaacgatct cgatggacta cattgtggat gcgtctggta gaaacggtct 720
 catcagtacc aagtacctga agaatcggtc ctacaacaag ggcttgaaga acgtggccag 780
 ctggggctac tggaggggag ggggcgtcca tgggtgtcggc acacacaaag aggggtgctcc 840
 ctatttcgaa gccctcaaag gtacgtcctc gcccggtgtg atcttccacc ttacccatgt 900
 gaagggaaac agtgctaact gattgtttgg ctcaacagat gccagtggat ggggatgggt 960
 tatccctctg cacaacggta cccactccgt aggtgtgggtg cagaaccaag agatggcgac 1020
 ggagaagaag cgaaaaatgg ccgagccttc ctccaagggc ttctatctgg agtccctgga 1080
 gtttgttccc ggcataaaag agctgcttgc taacgoggag ctcatctcag aggtcaagtc 1140
 ggctctgac tggtcataca ggcctcaag ctatgccttc ccgggtgtac gcattgccgg 1200
 agatgctgga tccttcattg acccgttctt ctcttccggc gttcacttgg ctctttctgg 1260
 agggctgtcg gcagcaacga ccattgcggc ggccattcgt ggcgactgcg atgaaaatgt 1320
 tgccggctca tggcacgata aaaagacatc cgaaagttac acacgcttcc tcttgggtgg 1380
 ctctagtgcc ttgaagcaga tccgttctca agatgagccc gtgatcagtg actttgatga 1440
 gggtagcttt gaaagagcct ttgacctatt cagacccagt acgtccattc tctgtgatca 1500
 tcccacggca gaagcaataa ttctaacggc gtaacgtcta gttatccagg ggcaggccga 1560
 tgccgatgca aagggcaagc tcaactcaagc tgaaatctca aagacgggtcg agttctgttt 1620
 cagagcattt gcgcacgtct cgttcgagca gaaagaggct ctcggtgcaga agctcaagtc 1680
 tctagggcac gacggagatg cgtacgacga gaacaaccgc aaggctctcg aggaaatcga 1740
 gaagcagctg acaccagagg agcagacaat cttgaagaca ctaaagggac gccgcatggt 1800
 gcgccccgag gattcgctca acattgacaa tttcactctc gact 1844

<210> 20145
 <211> 1846
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20145

tggctgcggc caaggctgag aaaacatcac aatcttctgc aaaggcgcta aagagccacg 60
 aaaggaaagt tcaggatgat ctcaagcgta atctgaagca ggagaagcag gtccctgcgac 120

ctgctaggaa gcctttctgg ttcgagaaat tcctcttttt cgtctcttcg gaaggatatc 180
 tagttcttgg gttagtgttt atctcctcga caaaatgtgg atgctaatag taacgtattc 240
 agtggtcgcg actctatgca aagcgaaatg ctctaccgtc gatctctccg gaagggggac 300
 gtattcgtag acgccgacct ggagggcgcc acgccaatga tagtcaagaa caaaccagga 360
 gcgttgagct cttccatata cccaacgacc ctatcacagg cgggcaatct ttgtgttgcg 420
 acttcgacgg cgtgggactc gaaagcaatt atgtccgcat actgggttga tgcggcccag 480
 gtatccaaga cttctgctgt cggcgacctt ctacctgttg gcgaatttct tgtcaaaggg 540
 gaaaagaatt tccttgcccc gtcacagcta gttctgggct ttgctgtaat gtggcaaatt 600
 agcaaggga gctcgtcaa ccataagagc tttagatctg aagaagcact tgtttcgcaa 660
 gctcgggtga caggcgagga taatattgct aatgttcagg aaggaaaccc agataagctt 720
 attcaggctt ccgagaaggc tgacggggcg gaggaacaga agcaggagca ggaagaggaa 780
 caagcggaag gttcagagtc agatgacgag caaggagaca acaatgcaac ttttacagag 840
 aaccaattgc atccctctac ggacaccatg caggaggcgg agacgcacaa agaagaagtt 900
 acagatctcg caggtagcgt tgaacaagag gatacgcaag agaataaggg ccaaggcgag 960
 gcagacgaag aggcggaagg acaggacgag aaggacgagc gggcagatga ccagtcggga 1020
 aaggacgacg ccgaaggagc taccacacga tccaaggga agcgacacct ctctgcaaga 1080
 gaaaaacgcc tactgcgcaa agggaagcct attgacacac caactgagag gtccgaagct 1140
 gcaagcgacc gtcacaacacc agcagctaac ggaacgtcca ctgggcccga aacaaagccc 1200
 gccccagccc cagtccgagg ccgtaaaggc aaagcaaaga aagctgcac caaatatgag 1260
 gatcaagacg aggaggaacg agcactggcg cttcgtcttt tgggcgcaaa caacgccaaa 1320
 gcacagaaag ccgccgccga agccgaggcg aaggcgaaac gggagaaaga agctgaagag 1380
 gcaaagaagc gccgcaaagc gcaacacgaa cgagccgccc aggcggagcg caaacgacag 1440
 gctttgtttg aggaaggagc aactgatgac tatgacgagg aaactgccgc tgccgaagcg 1500
 gctgatcttg aatggctacc tgcaactcgt gggacgcctc atgtcgacga cgaaatcttg 1560
 gcggctatcc cgatatgcgc gccgtggtct tctcttggtc gatacaagta ccgagtcaag 1620
 ttacagcctg gaacagtga gaagggcaag gccgtcaagg agattctagg acgatgggtg 1680
 gctgagacta caacgggcaa ggtaagaag gagcatgctg aggatctggg aattagtcga 1740

gtcgtgcag agagactccg cgccaaagag ggtgagttgc tcaaggcatg gaaggatact 1800
gagatcatca acaccgtacc agtaagcaag gtacggatta tgatcg 1846

<210> 20146
<211> 1850
<212> DNA
<213> Aspergillus nidulans

<400> 20146

gccagatttg ctggaggtgg gatggtgcct gatcttcccg ctttaatat ggagaccaa 60
aggaaggatg atgtgtttca tcatccgcca ctgacgccac tcagcgcttg ctggagttt 120
tattacgttg ttatgtaggg tcactaccag ggcggtttca tgttattgtc tgtataacca 180
gcaaagcatg ccagtgggcc agagccgcta tgccccagc ccagaatcct tgtcaagggg 240
cgatggaatt tccctcggag caagccgccc tctctgattt ttatgatata catactctgg 300
gcaccaatc attatcgttc atctaccaac atgttggaac ctgactcgaa catctcgatt 360
gatccactcg gctctcttga catatgtcgc catcgtgcca gtgggccac cggaacgtgc 420
cttggcctgg cggagtaaaa ttgtccaagg gttgtatttg cccgctctca cctctcttcg 480
agagacgtct ctgcttgga ggggtgtcgc cgggtagggc tggaagctga tataaacgt 540
gcgctggtcc ttggtctgga tgctcaactc tagcatcgat tcctaactgg cagccggcaa 600
cttcagcaaa gcaggctttg cattacactc cttttgatct tcttctgtgt ctctccttaa 660
cactcttctc ctgtgtctgc cgtgcagtct tttttgctta ttatcccttt tttttaccct 720
cttttcgtat atcagaggtg aggatggctc ctgggtgtct gcggtaatct tgttctaggt 780
gaatggctaa gcgatctagg atcatccatc gtttgaaacg gttctttcta aatcatggct 840
cctctaactc tctggaagat gccatcctg atcaccttca ttgtcgccct ggcggtcttg 900
accaacgcag tacctatccg ccatgccac tgggaccacg gccatcattc caggaccaga 960
accctaacca gcactcatalc ttttgctccc accccaacct tcaactcaag tgttacgcca 1020
accgccaccc aggccaccac tgttgccaac gcggacgcag ccggccctac tacaagcagc 1080
agcagcagca acgagatctg gcaaccggaa gtcggttccc cttggcaaata catcctctcc 1140
tctgtctgtt cccccaatac ggctccaâa aaagcttcac cagccttccc gatttacgac 1200
atcgacctct tcgaaaacac ctgccccag atcgctccc tacactcca aggcatacaa 1260

gtgatctgct acttctccgc cggcacttac gaagactggc ggctgacgc ctctcattc 1320
 gactcctect cgctcggcgc cggactggac gactggccgg gtgagaactg gatcgacctg 1380
 cgctccgaga atgtgcgagc tatcatgtcg tcgcggctcg atcaggccgt cgaaaagggc 1440
 tgcgacggtg tagatccca taacgtcgac gcgtacaaca acggtcaggg cgggttgggg 1500
 ctgactgagg aagactctgc cgattttgtg aactggcttg ctgccgaagc tcatgctcgg 1560
 gggttgtcga ttggcctgaa gaacgcggga tccatcatcc ctcggttat tgccaatatg 1620
 cagtggagtg tgaacgaaca gtgtgctgag tatgatgagt gcgatgtctt tcagcagttc 1680
 gtggaccagg gcaagccggt ctttcatatt gaatacccg aaaacggaca ggtagtacg 1740
 tcgggcgtgg acaaggtagc ctttgtgctg cagttcaaag gggcagaggg gttttcgacg 1800
 gtggttaagc atatggatct gaatgagtgg gtgcagactt gctagggagc 1850

<210> 20147
 <211> 1861
 <212> DNA
 <213> Aspergillus nidulans

<400> 20147

ccgctgtcgg aatgggtgct tgacgctgtc tctcgatgg gggtcaccgc catgacaccg 60
 gtccaagcat cggccattcc tctatttatg gtcacaagg atgttgtcgt tgaggctgtc 120
 actgggagcg gaaagactct ttcattcttg attccagtag tggagaagtt gttgcgcctt 180
 gaagagccca tcaagaagca tcatgtcggc gccatcatcg tttctccaac aaggtatttg 240
 gcttaaagca ggtcgagcta atggagatgt ccatgctgac tcttcgcaga gaactccgtt 300
 cgcagatcta caacgttttg acatccctac tcgcgttcca tcccgcttcg gcggtgtga 360
 taaacacttc cgaaaccgaa gacgttcccc ggctaaaaca ctcttcctcc gttcttagag 420
 tcgttccgca gtcctgctt ggaggctcga ctcgcctgc agaagatctg agcacctttt 480
 tgaagcgctc tccgaacctc ttggtggcta ctccgggtag acttctcgag ttgctttcct 540
 ccccgcacgt ttactgcca caatcgctct ttgagatgct tgtcttagat gaagcggaca 600
 gggtgttgga tcttggttcc aaggaaacac tgcagaacat tttgcgccga cttccgaaac 660
 aaaggcggac ggggcttttc agtgctagtg taagcgaagc tggtgatcag attgtccgcg 720
 tcggcctgcg taatcctgtc aaggtcgtgg tcaaggtcaa gggggcgtcg ggagttgatg 780

acaagcgtac ccccgccagg ttggcacttc tttacccttc tatactctca tatacttatt 840
 tgatgcagcc ttcaaagac ctatttgact caaccaccaa ccggtaaatt tccagcacta 900
 aagcacattc ttaattcagt gcaaccgacg cctccaaat caatattctt cgtgtcaact 960
 tgctcaggtg tcgactactt atctgtcatc ctcccggtga tacttggcaa cgatttccag 1020
 ttaatacctc ttcacggaaa acaccctgca aacgtgcgtc aaaagaattt caaccgtttc 1080
 gttaacgctc acaaccgggc catccttctc accacagacg tcgcttcccg cgggctggac 1140
 attccgctcg tggacctcgt cgttcagata gaccctcctt cggacccaaa gaccttcatt 1200
 catcgatgcg gtcgtgccgg cagagcggtc gtagaggtct tagtgtggtt ctgctccatc 1260
 cgggcaggga agaagattac gtctccttcc tagaagtacg gaagacccca gttgcgcctt 1320
 ttccgcaccc catcactgtt tccgacgccc aagccgccgc cgctacagaa actgctcgga 1380
 aagtagtaaa ggcagaccgc gcaatccatg accgcggcca aaaggccttt gttagtgtggc 1440
 taaggagcta cagcaaact caagcaagca gcattttccg cgtcgcgacc tggactggga 1500
 gggcctaggg aaagcgtggg gactactgaa gctgccgaag atgcccgaat tgaaaaattt 1560
 caaggagac aaaactcttg gtgtccaaat ggattgggat acgtacgcat acaaggataa 1620
 gcagcgcgag gaagcgtcgc ttagagctcc tacaagagat ggcggaatct ggccaacaac 1680
 aaacaacgaa caagaagcgt ccgaacgaga ctgtggcctg gagcaacaat gctgagaaca 1740
 gaaacaagaa ggccaaacgg cgcgacatga aacaggtgcy gcaggagagg aagcgggtggg 1800
 agaagatgac ggaggaagag aagaagaagg ctctcgagac agagcagatg ctcgagcaaa 1860
 t 1861

<210> 20148
 <211> 1862
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20148

ggcgccgcaa cgtctacgat aggggaagcc acgaaggaga ttcgcttaac actctttgac 60
 gaaccccatc accatgaaga gggagtcgaa tctcgcaggg caataggagg tacatcctct 120
 tctcaacggc tcacctatca ccttaagaaa gtcgagaacc ggcttgttca gtacagtctg 180
 gagggccgcy gcatagaacy agtgcaagaa gacgaacgca tcccgcatat atcttggggtt 240

tcgtacttgc aggttttccct gctgtggatg tcggttaatc tggcagcgaa caacatcact 300
 cttgggatgt tgggccccgc cgtatttggc ctcagctacc tggactctgc cttttgcgca 360
 gtatttgggg ctctcttggg ctccatatct tcctcgtgga tggctacatg gggacccatc 420
 tccggtatac gtactatggt gcgtttcacc ttcaagccct gatttggcct cactaaacga 480
 gtttaggcat ttggacgcta tactatggga tgggtggccta gcaaactcgt cgtgatatta 540
 aacctcattc agatgatcgg atattgtctg atcaactgtg tcgtctgcgg gcagattctc 600
 tctgcagtat cgccgaatgg aagtctatct gtggctgtgg gtaagaatgc ctggaaactt 660
 ctcatcttcg gctccggcaa ctgaaccaa caacaggtat tgtgattatt gcagtcatca 720
 gctggatgat tgccacgttc ggaataaggg tcttccatta ttatgaacgg taagcgcaag 780
 tcttcaatta gggagacaaa atgatcta atgtgtagtt ttgccttccct accccagatt 840
 atcgtcatca gtattctgtt cggcgtttcg tcttcaaagg tcgacctatc tacaccatct 900
 caggagaca ctgcacagt gataggaaat cggtagctg cttcgtgcct tgcattgcaa 960
 gtgccctttc taacagagtc ttcacactag catctcattc ttctcgtctc gtgtcagcgc 1020
 cgcaattacc tataccccat tagcggccga tttcttcgtc tactatccgg tgcgcacatc 1080
 gaaactcaaa ctcttctccc tttccattct cggcctcctt gtctcgttca cctcgcctt 1140
 cttttgcggt atcggcctcg cttccagcat aaacattcat cctgagtacg cagcggccta 1200
 caataatggg cagggcgcac ttatagtcca aggcttcagc tctctccaca cttttggcaa 1260
 cttttgctcc gtcatagtcg cccttggcct aattgccaac acgattgcac cgacctactc 1320
 tgcaggggtc gacttccaga cgctcggccg gtacgccgag aagggtccgc gcgctatttg 1380
 gaacaccttt ggcgttgtga tttacaccgt ctgtgccctt gctggccgaa gccatctcgc 1440
 tgacatcttc accaacttcc tagctcttat gggctacttt gttgctatct gggtcgccat 1500
 cgtcctcgaa gaatgtttca tcttccgtcg ccgagataat gaaaatggct atggttacta 1560
 taattggctc gtttggaatg acccttccaa gcacctgtt ggcattgccg cgctgattgc 1620
 attcttgacg ggttgggctg gcgctattct ctgcatggcg caggtctggt atatcgggcc 1680
 gctggcaaac ttggttgag aatatggtgc tgatgtaagt tccccgttgt cttttgcgtc 1740
 ataaagttgg atttagagat cgtctaaca atattatcca gatggggaac tacgtggggt 1800
 tttcgtgggc tgctattgtc taccgcctc ttcgctatct agaacgaagg cagtttggtc 1860

<210> 20149
 <211> 1864
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20149

```

gccgcgtaat actaaagaaa tccagagccc cagttccacc gtgcagatgt tcccgggacg   60
accgaacatc gacacactta ttgggatgga ggttgagaat caggtcgggg ctatgggtgt  120
gctgggtctgc ggtaatggca gtttgagtga cgatgttcgc cgtgcctgcc ggactcgaca  180
ggatcggacg caaattgatt ttggtgagga gagtttcacg tggtagtctg cttaaccaag  240
cctgcgggggt gagagtgggt gatgtaaaga atcttacgga tggccagaat atgaggcttt  300
cagatcaagc gatcaagctt ttcgggttgc tagtgaaaat gctggtttct caggcgctta  360
gggctcatct agcagacagc ttgggtaggt tagtgtcgac acattacact ttcgtttag  420
atatttcaat tctagccttg tcatggcttc tgtcctactt tacgccactt tctgcagcgc  480
cccgaatta gatgattcca cttaggccg cgggcacaga gtaaagagcc ctatagaagg  540
ctggagctct gaggaagacg gtttaaaccg attggataga gcgagggaaa gactgccaaa  600
gatgacagta ttctgttacc gctgttagaa aagcccttat gtagattatt ttattcgtca  660
atcattcatc gctaattgtc aagataccag tgtagttgg tgaacacgaa gtcattacc  720
gaagcttaga aatcagctct tgtggggctc ccggatgtcg agggactgat ggcatcatcg  780
catccgatcc gaacagagta cagagtacaa atgccggatc tccggccagg caaatgact  840
tgcaccacct tcattaataa tagagtattg gatttgtgta gataatgagc ggggtaacgc  900
ctgctcttag gctacttaaa ggctgcttct ccagttcag cttcaattcc aatctccgca  960
ttcctcttaa acattctcaa ctattaaact cagcttcac tcgtccctac aatcggctct 1020
tttctactac ttcacccgtc atgtctagga cggatatcac gttgtacaca gccagaccc 1080
ccaatgggat taaaatctcc attgctttag aggaattggg gtatgtcaac ttaccgttat 1140
atctatagcc aacgttaact tgccacagca tcccctacaa agtcgagaag atcgacatca 1200
gcaagaacgt ccagaaggag ccgtataact cacttcctat ctacaacata cctcagaact 1260
aaattgcaac agctggttcc tcgaaataaa cccaacggc cgcacccccg ccctgacgga 1320

```

cacttttacc gacgggcaga aaatccgtct tttcgagtcc ggtagtatcc ttacctacct 1380
 cgctgagcaa tatgataaag actacaagat ctctaccct cgtggcaccg gggagtacta 1440
 cgagacaatc agctggctgt atttccagaa cgccggcgta ggacccatgc aagggcaggc 1500
 gaaccacttc tcgcggtacg cgccggagcg cattgagtac ggggtgaacc gatacgtaaa 1560
 cgagacccga cgctgtacg gctgctcga taagcattta gcaaactcaa aatcggggta 1620
 ccttgtcggc gatcatatca ctatcgcgga catctcgac tggggttggg ttgctgcagc 1680
 gggatgggcc ggggttgata tcgacgaatt cccgcatctt aaggcttggg aggagagatt 1740
 ggctgctaga gaaggcgttg agaagggaag gcatgtgcct agtccgcata cgattaagga 1800
 tttgttgaag gataagaaga aggcagagga gatcgcgcg caggggaggg catgggtgca 1860
 ggag 1864

<210> 20150
 <211> 1869
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20150

tcgagcagag cggcaaaagc tcgctgtaca gccaaagcaa ggaggatgat aagtcctcca 60
 aggctctacc tgcggtcgga caggagaacc tctcttcggt gactcctcct catgagtcct 120
 atgaggggca tcaccggttc gatccactg cgacctggac agaggaggag gagaggaggg 180
 taatttgga gaccgacttt atgctcatga catggctctg tttgatggca agtaccgtgg 240
 atgactgcag gaacatctgc taatacgcca atccagttct tcggccttca gctggaccgt 300
 ggtaatctgt ccaatgcctt gaccgacaat ttcttggtat atctcaactt gaccaccgac 360
 gactacaaca acgtacgtta taacgacgtg ttctgttcta tccctttttt tttttttttt 420
 gtttttttgc atttgtaagc tcgactaacg gcgatcgag ggaaccacca tccaactcct 480
 ctgtttttct gcagcggagt tccccgtgca acttctcatt aaacgcttcg gtttccggcg 540
 agtgttgccc atcctgatgc tgctctggag cttggtctct tggacgcagg cttggatgac 600
 agaccgagca tctttctacg tgaccagagc gctgataggc gccttcgagg gaggttttat 660
 cccaggcaca atcttgcttg caacgtactt ctacaaaaca aaggagcttt ccatccgatt 720
 gtcattcttc tggctacttc tgaatgtgag aaccctttat ctgagccatg cgttcatgga 780

gcgctgacaa tcccaggctg cccgtattat atcgtcttta ctggcggctg gaattctcga 840
 gatgaggggg accaggggac acacaggctg gttctggcta ttccttatcg acggacttat 900
 aacattcgtc atcggcttgt ttgccctctt ctatctgcc aagttcaccca cgaggacgaa 960
 gagcatcctg tatcccaaag cgtgggtacac cgagcgccag gaggtgatca tgatcaacgt 1020
 acgttctcca gagactgttg agccaataaa ctgacatttt tagcgtcttc tgcgtgatga 1080
 tccgtccaaa ggtcttactc acctgcatga acgtgctact ctccgcgacg tgcttaacgc 1140
 atggaaggac aagtccatgt gggggctgta ctttatcggg ctgattgcct acattcccca 1200
 aagccccgtg caggggtacc tgtccctgac actgaagaga ctccgggttta cgaccttcga 1260
 gtcgaacatg ctctcaattc catcagctgt gctccagatc atcctgatgc tcatcctgtc 1320
 gaagagcagc gagtacttcg gggagcgcac attccactgt gtgattggcg agttctggtc 1380
 gctgccactg ctggctactc tctcgggtct gcctgatcat ggatacaact ggggccgctt 1440
 tacggtcacc acgatgatct caggatatcc gtatttccat cccatcgtgt cctcatggat 1500
 atcagagAAC acatttgacg tgaaaaagcg agccatcact gcggccacat ataacgtgat 1560
 tgtccaaatt ggctcagtca tatcatcgcg taagtcgagg tatccacccc tggaacacaga 1620
 gctgacaaa acagagatct accgcagtta tgactcaccg tactactacc aaggaaacaa 1680
 ggtcttgata tccatctgtt ccctggcgct tgttgTTTT gtggttcagc gcgagtacct 1740
 caggcacctg aatcgctga aggagcggaa atgggaggcc atgtcgcccc aagagaggat 1800
 cgaataccaa gccgacctg ctcaacggga gaaagacgga aacaagcgac tagatttccg 1860
 cttcaagta 1869

<210> 20151
 <211> 1873
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20151

tgattcgaat cattttctct agctattctc tctgtctacg acaagaccgg tcttctggac 60
 ctggcaaaag gccttgccaa gcacaatgtc cgctgctcg cctccggtgg taccgcgagg 120
 atgattcggg aggcaggatt cccagttgag tgcgttctca ttcaccggca tccgtgtatt 180
 cgtataagtg atttgggttg tcgattcgat taaggattta ctagcagcta tatgattatt 240

ccagagactg acggacatca gagatgtttc agctatcact cacgcacctg agatgctggg 300
tggtcgtgta aagacctcc accctgccgt ccacggcgggt attcttgccc gtgatattga 360
gtccgacgag aaggatctgg ccgatcagaa catcgccaag gtcgatttcg ttgtctgcaa 420
cctgtacctg ttcaaagaaa ccgtcaacaa ggttaacgtc accatcgaag aggctgttga 480
ggagattgat attggcgggtg tgactttgct ccgtgctgcy gctaagaacc actcccgcgt 540
taccattctc tcggatcccc aggattacct cgaattcctc aaggaactcg aggcagggtga 600
gatcaccgag accagccgcc gatcctacgc cctcaaggcc ttcgaaacaca ctgcccacta 660
cgatactgcc atctctgggt tcttccgcaa gcaatatgct gggaacggcg agaagcacct 720
ctctcttcgc tacggaacca atccccatca gaagcctgcy tcggcttgca tgcctcaggg 780
caaacttctt ttcaaggcac tcaacggctc ccccggtat gtcaatcttc tagatgctct 840
caacgcgtgg gccctcgtca aggagctcaa gcaggctctc ggatacccggt ctgccgcgag 900
tttcaagcat gtgtcgccgg ctggtgccgc tgtagggtgc cctcttagcg ataaggagcg 960
caaggctctac atggtcgacg atattgccgg cattgagtc tctggattgg ctcaggcata 1020
tgctcgtgct cggggtgcag accgcatgct cagctttggt gatgtcctgg ctctcagcga 1080
tgtttgtggac gtcaccaccg ccaagatcat ctccgcgag gtttcggacg gtgtcatcgc 1140
tcctggatac gaaaaggagg cgctcgagat cctgtctaag aagaaagggtg gcaagtacct 1200
tgtccttcaa atggacgact cttacgtgcc tgccgggtgag gaaacccgta ctgtttatgg 1260
tgttcagctt aaccagcacc gcaacgacgt tgttatttct cctccaaga cttcaaacac 1320
catcattact cctaaggatc tcaagacct cccgatgcc gctctgaggg atctcaccgt 1380
ggctaccatt gctctcaa ataccccagtc aaattcggtc tgctacgcc ttaatgggtca 1440
ggttgttgggt ctgggcgctg gccagcagag ccgtatccac tgcactcgtc ttgcagggtga 1500
caagaccgac aactggtgga tgcgtttcca cgaacgtgct ttgaatatca aatggaaggc 1560
aggcaccaaa cgtgctgaca agagcaacgc cattgacctg ctgtgctcag gtcagactcc 1620
tcgtaacgag attgagcagg ccgagtacga gcgcgtcttc gaggagggtc ctgcgccatt 1680
cacacaggag gagcgcaat cctgggtcaa gcagctgagc gaggttgag tctcctcgga 1740
cgctttcgta agtccaccaa caatgtcttc atgggtctctt actcactttc catccccag 1800
ttccccctca tcgacaacgt tttccgcgcc gcccgctctg gtgtcaagta cattgctgct 1860

<210> 20152
<211> 1875
<212> DNA
<213> Aspergillus nidulans

<400> 20152

cggtttcacg gcaggaaca tatgatgaag tttgggaagt cggtgaggat tggcaagacg 60
agtgggataa gaaatcgggt cgctgagccg ccgaggtatg ttgggctaag cagtgagttg 120
ggtgatgatg agtggtgatc ctctgttcgt ttggagttag ataagtagat gttcttgggc 180
atcggtagca aatagtctat cactagattg acctggatcg tggcctggta tgtgttatct 240
tggagcccaa tacagatatt tctctctgtg gaccaccaga tactgcaggt ggagaggtag 300
gtaagttggc ctctggcaat catgtatagt aatacgatag tcaatgtagt aactatgcct 360
cgaagtactt aatcgcccat gaatgtatt ggtctaattt aagctaatta gagggccatc 420
tgtcccttct cccttcatt gtgcacatac aaggcaagaa aatacgacta tagtggttcta 480
tcaaagaatt gccaaaccg gcactttaaa gcaaccacaa gcaataagcg tactcggcct 540
ttagtgcgta gttcacacct gcgcaccggt ggccataaat gacaagccag aagccgcaga 600
ctgcatttgg ggggccgaaa ttctggccta agttacttta tacctatgat agacttgata 660
tataagcggg aggtatagct acattagggc tagaaatgct agactcggct caccatgtcg 720
tccctggtca aacacgcagg tcatccccg attcacaag tgctttccaa atatgagtgg 780
tatcgaagcc actgcccagt aacagaacct ggccctaggc agttcaacag gcagaggcgg 840
agattcacgg agcgtccgc gcagacgcag agcggcgaag aacggagtat ccgctgctgg 900
aatttgaga catgcggggt attgcctact tgtggttcta attcccctcc tatttattat 960
ggcaggcggc gctgaaggga attgtttacg cagatttacc atttaattct tccgctattg 1020
aaaatggtgt tcaattactg cgctacgct gatcccgcaa ccggggagga ccgcatcggc 1080
caccttgatc accaatccct ccaaatccag cttttatcct tcacatcagg aacaaggatc 1140
accaacctct accaagtcac tgaagccggc caggccagta tcgtcagtcg ccgcgtgag 1200
cccctccct tgtccagcg taaactctc ccaccattt ccggccgcga tacccttgc 1260
gtcggcaaga actacgtcga acacgcaaaa gaattcaact cctctggctt tgattcttca 1320

gacaaagtcg accagcctac tgcaccagtt atcttcacga agcgggacgac ttcgatcatt 1380
gcgcatggcg aagatgttct cctccacccc ggcttcaactg aaacccctga ctatgagggc 1440
gaaatagggg ttatcatcgg caaggcaggg cacaagatcc cagaagacca ggcgatggat 1500
tatgtctggg gatacacaat catcaacgat ttcacagcac gcgagagaca gcgcatcat 1560
aagcagttct acatcggcaa gtcccctgat acgtactgcc cgatcggggc cgttgccgtg 1620
ccgaaggaac agtccctga aaaggagaat attcgtctgc agacatttgt aaatggcgag 1680
aagaggcaag atgccacgct ggaccagttg attttctcca tcccgaatct cgtctcgacc 1740
ctgtcgcagg gtcagacgat tcagcctgga gacaccattg ccacgggcac accttacggg 1800
gtgggttttg gttccggcc catgaaattc ctcaaggctg gtgacgaggt caaggtctcc 1860
gtcactggcc ttgga 1875

<210> 20153
<211> 1878
<212> DNA
<213> *Aspergillus nidulans*

<400> 20153
agtcgcaccc cgcagacccc aaggacctc aagagcgcgt cgctccaaat tcaggttcgg 60
attccgatcc ctccgatctg gatctcttca ctcgaaacga gaaggaagta gagcagaacc 120
cggacaaggt cactcaagat gccatctctg gtgtgcagaa agctgaggca gctgccctcg 180
tctggagcag accggccgtc tacgcgacct acgcctgggtg agttgagacg agtgttctgc 240
tgcttgtcac tgctaacaga tcaggatctg ggtgtgcttc ttcttgctcg ctcttcagtc 300
ttcagttagt tctaccgtga tctataacgc gtacgccaac ttctccagcg ctccccaagt 360
cgcaaccgcy aatatcctct acagcatcat cggcggcggtg ctgaaactgc ccattgcgaa 420
aatcctcaac ctctggggcc gttccgaagg ctctctaate ttcttgagg tctacgcggt 480
cgggctgata attgtcgccg cttgcaatgg acctgattcc tatgcggcag gttacgtcct 540
tttctgggtg ggctacaatg ccctcttctt catcatggac gttttcatgg cggatacctc 600
tggaatgcgc aaccgagcgt tcacctttgc tttctctcag actcccttta tctgcaactgc 660
cttcaccggt ccctggccg gtcagtcggt tcttgaggta gccaaactggc gatgggcca 720
tggagccttc gtcattatca acgttgctgc cttctcgccg ctagccgttg tgttcaagtt 780

ttaccagaag aaggccgaga ggatggggct gtatcagcac gagccgagtg gtcgtaccac 840
 aatacagtcg attatccatt acatccatga gtttgattgt atgttcaactg ctcaattttc 900
 tcatggggcc tgctaacgga ctagtgattg gtgctgcgct gttgatggct ggttgggttc 960
 tcctgcttct ccccttcagc ttgacgagtg ctggtcggtc tcagtaccaa gatgctacat 1020
 ttatcgccat ggtggtgatt ggcttctgtc tcctctttgt ttgcgcgca tgggagaaat 1080
 ggtgtgcccg tgttcaattc atccggtacg agctcttgaa acagcgcaact gtgctgggag 1140
 cttgctgcat ggctgcgatt tctttcttcg ctttctactg ttgggatctc tacttttaca 1200
 acttttgtat tgttgtctac aacctcagcg tgcgaacgc aggatacatg cttcagatct 1260
 acaacgtcgg ctctgcttc caggggtgtgc tctttggcat ctacatccgt cagaccaagc 1320
 acttcaagta cgcttgtctc ctggttgcc tgctctctc cattctcggc gcgggcctga 1380
 tgatccattt ccggggcgaa gaccagggtg ttggctacat catcatgtgc cagatcttca 1440
 tcgccttcgg aggtggtact ctggtcattg gtcaggacat ggctgtcatg gcctctgccg 1500
 acagagaagg cgtgccgatg atgctttcgc tccttggaact cttttccagt ctcgaggcg 1560
 ccattggtca agccgtgggg gctgcgatct acaacaacag tttcacccgt gccctccggt 1620
 ctcggttgcc caatgatctc aagcacatgg ctgaagagat caataacggc ggataccttg 1680
 cgcagatgaa ttaccctgtg ggcggtgata tccgaatgc catcaactat gcctggggcc 1740
 gcagccagat gtacggatcc atcgcgcca cttgccttct cgccttggc atccctgcta 1800
 ttgctgtgtg gcggaactac aatgtcaaca agaagcagaa caagggtatc attatttgat 1860
 ctggtccagt actggctt 1878

<210> 20154
 <211> 1880
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20154

cccgtccgtt aatgtccgac acctgtattg tgtgcttagg agaccttggc gaaagcgcca 60
 gcgatectct tgccgcctcg gtgccaagac ctgaccttga accggacggc aaggcacctg 120
 atatctctac caaggcagaa ggctccgatg gaagtgagga tagctttatc gcacagttac 180
 tccctgcgg ccatatttta cacaacaact gcttgaaacc ctgggtcgaa cgagccaaca 240

gctgccccgat atgccgccgt accttcaatg aagtggagct gagtgaccgg gtcggaggta 300
ggaagattct gtccaaccc tgtttaatca tctatgtgtg gcagactgga ttttgacgca 360
tcatgtatag gccagtgat atcctcctac gccgttgaag accgtgttca agtggcggat 420
gtcgatccgt ccatggtcgt cgaatatata gatgatgatg tctccgattt ccagccctgc 480
cctatctgcg gcgactctga aaacgaggaa gtgcttcttc tttgtgacgg ctgcgatgta 540
ccgacacata tatattgtgt gggacttgat gaggtaccag cgggtccctg gtactgttcc 600
cgatgtgaga cccaacgtcc catcggacta tcttctgatg cagttgatag actgtcccat 660
gcacaaactc ggcggcgcca ccgtaccagg gccagcaac ggaggggtgct gagtagaaac 720
caaatcaact ccctgcactg ggcacgtgtt tggcaatcag tttgggacaa tcttaacata 780
gacttggatt tccccttcga tgatgatcga gctgtcgagc gcgcgttgca gcaacaacgc 840
cgcgaggaag ctaaccagag agagtccgc acctggcagc gccgttttga cgtcgccgag 900
cggcaggggtg gaagaaatcg cttcagagac actgctgctc tgcttgacat tgaggcacct 960
cgaccatcac gaccgcgagc gccgagggcg ccgacacctg aacctgagtc gctagaggag 1020
atgagggcgt ggaacgcctt tgaacgtgcc cgtgagatcg agaacaaccc gagcgctgca 1080
cgaaaacgta aagagccaac aatgtccct tctccggagc ctgctgaacc cgcacgcaag 1140
ctgaaacgac cccgcacccg tagagccgaa gatctcgcg cttggcggt gcagaatggc 1200
gagtcatcca ggagtgtac tgcccaggca tctgctcgtc ttaatgccga caactctagc 1260
gagccgagct tcctctcatc attattgaag gaggtcgaag atgcgtcaac gcctcaaagt 1320
gttaactcgt acggcccttc agctcacgtc tccgccgagc aaagtactgt gggctcttcg 1380
tcgccttcca tctcacctgt tccttctaat caatcatccc cgcggctatc ttctaccacc 1440
ccgcctccgc actccggaag ccggccaata tcaccaatgc agcttacccc accgcgcgaa 1500
gtgtcgtctc ccacattctc tccggaagta tcaccagcta gttctcacia ggatgttaga 1560
gaagaaacgc cctcgcgtc tagccctcgc cgaatacctc gagcggcgca tatagttagg 1620
gcagtaaggt cgaacgagag ctaccagct cgcattgggt tatccctaga ggtaaaatct 1680
gacattcaaa aactcgtcag cgcggctctc aaaccgcact accggtcgaa ggttgtctcc 1740
aaggaggagt acaccgacat caatcgaaat atctctcgga aattgtatga acatgctctg 1800
ggattagact cattagagtc aaccacaaag gctcgcttgg aagccaaagc taaagaagag 1860

gtgcataacg cggtcgaagc

1880

<210> 20155
<211> 1881
<212> DNA
<213> *Aspergillus nidulans*

<400> 20155

tggaagaagc tgaggcggca ttcataaaaa tgctcaaacg ccacaatggt cagcctgatt 60
ggacgtggga gcagacaatg cgtgaaacaa tcaaagaccc tcagtaccgg gctctcaaag 120
acccgagaga ccgcaagata gcgttcgaga aatacgcggt cgagggttcgc tcgcaggaaa 180
aagatcgggc gaaagaaagg ttcgctaagc taagagcaga tttcaatact atgttgaaac 240
gccaccctga aatcaaacat tacacgcggt ggaagaccat ccgtcccatc attgaagggtg 300
aaaccatctt caggctcgacc aacgatgaaa acgagcggcg acagtctttg aagaatatat 360
tctagaactc aagaaggaac acgccgagaa agaggctgct gcgcgcagag ctgccatgga 420
cgagcttggt ggaatcctta agtccatgaa cctcgagccc tatactaggt ggtcggaggc 480
acaagccatc attcaatcaa acgagagagt acaaaacgag gaaaaattca aggtcttag 540
caaatcagat attctgactg ctttcgagaa tcatatcaag tctcttgaac gcgcgttcaa 600
cgatgccccg cagcagcaaa aggcagcaaa ggccaggaag gaacgacatg cccgtgaaca 660
gtttgttgaa ctactaaatg agttgagatc taaaggggtt atcaaggctg gcagcaagtg 720
gtcaaaaatt taccctatca ttcgtgagga cccgcgttac cttgggatcc ttggaaactc 780
aggctcctct cctctggatc ttttctggga tgtggtcgaa gaagaagaaa ggtcgttacg 840
tggaccccgat aatgatgttt tggacgtcct tgatgacaac cgatttgacg ttacctcaa 900
gaccaccttt gaagaattca actcagtcgt gtcttccgat cgccggacag cgaagatcga 960
ccccgaaatc ctccaggatc tcttccaacg catccaggaa aaagcgctcc gtcgcaacga 1020
agaggagaaa cacgcagcag accggcacca aagacgcgca attgacgctc tgcgctcccg 1080
cctgaaacgc ttggaacctc ctcttcgttc caccgatata tgggaccagg tgaagcccac 1140
actagagaga tacgacgaat acaaggccct tgagagtgat gaactccgct aaatcgcttt 1200
cgacaaggctc attcgccgcc ttaaggagaa agaagaagat gccgagcgag atcgcgagag 1260
agacagagat cgcggcagcc gccgtgacca ccatacagat cgtgaccgtg accgcgacta 1320

ccgcagctac agaggcgagc gacgcggccc tgccagccgc cacagccgga ctccagaacc 1380
 cgacgcctac gaagccgacc ggcgcaaagc ccaagcagac cgcgagcgct cctaccgcaa 1440
 ggcggcgagc ggactttcac ctgtccgcga aagatgggac gaacgagaca gagaccgcca 1500
 aagagatcga gaccgccggg accgggaccg cgatcgcgat cgcgaaacgaa gcacacgctc 1560
 cctcagtcac tacgagcgcg agcgccgcga ccgcgaagaa gagcgcgaaac gctctttacc 1620
 gaaccgcggg cgacccccgc ggtagccgcg acgagctcga ctatggcggc gattccccgga 1680
 gcgccactgg tgcgaccgca agcaatgagc ggcgacgccg gcgcgacagc gacacggaga 1740
 gcgttgcaag tcgctcaact aagcgggtacc ggcgggatag tcgggatcgg gacgcgagaa 1800
 aggatagggg gcgcagggag cgcacgccta catctgctgt tcctgggcct gcagcggatg 1860
 aggcgaagga ggagaaggct g 1881

<210> 20156
 <211> 1883
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20156

ctaacacgtt ctacaaagt accggctgct cgtcagggat cagccaatcc ctggtgcaac 60
 taatcgcgaa atcttctaatt ctgatcattg cgactgctcg taaccctggg tctttgtctt 120
 caattctaga tggttccagt gtccttaagc tagcactgga tgtcacgtca attccatcaa 180
 ttgaggccgc tctaaaagag accctaacaa agtttggccg tattgacgtc cttgtcaata 240
 atgcagggca tactcttgtg ggcgatactg aaatagcaca ggacaaagag tcatgtcagt 300
 tgtttgacac taacttctgg ggcattggtta atattaccaa gcatgtccta ggaattatga 360
 ggggaaaaaa cccaataga ggaggtgtga tcctgaatgt taggtctatg ggcggattta 420
 ttggtatccc tggcggctct tttaccatg tgagcaagtt tgccgtagag ggatggactg 480
 aagccgtcgc gaaggagttg cctactgagt ggaataataa gtttattcta tggctattat 540
 tgataatgtg gctaaccaaa aaaagaaaat aaataaataa ataaataaat aaatacttat 600
 agtccatcta tgcaatattg agcctggtgg tgtcaaaacc aattatacaa ccaccttget 660
 gaagactata gcaaaagggg acaccagcc tatgctgacc tgaactatcc caccaacact 720
 ctgctggggg atataggtaa ggcagaaaac tgggcttcct ggcagaaact aagcacgatt 780

actgcagcta tatattgact tgtagttgc aggggatgta ttctatttg tgttctacta 840
 ggtgctgatg cctatagtag aattactatg gacctggaaa gtatcaagaa ggatctagag 900
 gagttgaaag atatcagtct tgtaggtga tgcaaagcag ctggactcta ttggtttcct 960
 acagaaggct tagggttggg tctgaggaag aggtgttact taggccttta gaaaaggat 1020
 atccttattt ctagctttat aaaaggagaa tttggagcta ccctgctctt tacaacctat 1080
 aagagacaag atacttaaaa tagaaataga agtaacagta tatactgagt agtagcaagt 1140
 taagcttgat agagagcagg taattgctcc cacacgcagt tccctgctaa taaagctcct 1200
 atactgcctt aggttaccta cattaaccac ctgcagtcag aagccaggta tcagaggatt 1260
 ataagggatt acaatagcac tgtgtttag tttgtggaat actgtgttag tttatagtag 1320
 ctttgtctgt acttagcagg ccagctgagg ccagattatt tataatatat gcaagagtag 1380
 agataatata agtactcttt aactactttc aagattatat atgccttttt ctgtaaacct 1440
 gacctggatt atatatttat agtgtcaggt cttgcaaggc tcctagcaac cctctgggca 1500
 tctaaatacc ttggtatttg tgactatctc tagtcaaata cccttcctac tatagatctt 1560
 tggcccgcca gcaaagttga tgagttcttg tcaagtttgc atattctctc atgcaattta 1620
 caggaactga acttggatc ctgttcttag atatagattt ccttattcca ataaacaggg 1680
 gggcattct tacctactat atcctccctt tactggcctt gcctcaagac tgttgccta 1740
 aacaggattc ctgtaaatct cttatctggc atgatttctt gccctcttt ctatacagaa 1800
 gatgtctgc aatctaacag atattcctta caggtaaata gctatttaac taaaacttg 1860
 aaagtggcga cgggattttc aag 1883

<210> 20157
 <211> 1888
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20157

ctatgtttac tacgtggtct ttatcgtggc cgttcctctg atgttcaaga ccgtgattga 60
 tgtttogcaa ggtgcgtccg cgtggagctg ggtcaaaaac ggagctgata ccacctgcct 120
 cagaatcgca tcccacctac gctacatact ctcatctgct ctctccaggt tggattccag 180
 ggcggagagt cgtgagtttt gcctcctcgc tgccagttga caatggctaa cggacacttg 240

cttatttctca ggacaattcc gacgcgcaat attctggctt ccgcgataat atccccctacc 300
 tectcatcct tttggttgcc catccttctc ttcgacgcgt ctacgagcac tttactcgca 360
 cccctagtagc acctaattgcg aacaataacca tctctgtcac tgccgcgcga gacgcccag 420
 ctgcgcgacg catacgattc gactattact ttgccctggt gttcatcaca gctctccatg 480
 gtatatcggc gatcaagatt cttatcattc tctacttgaa ctacaaaatc gccaaatctc 540
 ttccgcggaa atatatccct gctgcgactt ggagcttcgg catagggata ctgtttgcca 600
 atgagttctg cggcgggatac ccgctggcgc gagttctcag cttctgggca gcagacgaga 660
 cagggcggga gtccgctcta cttctatggg cgcggcactt ggacagcttt ggtggtctaa 720
 tgccacgatg ggaagtcctg ttcaagatca ctatcctacg gctgatcagt ttcaatatgg 780
 attactactg gagtttcgac tttcctacta gcagcccaat cgaagtaagt ctcttttccg 840
 aggataaacc aactccctct gacgaccata agaagaagca actcgatccg gaatcgcttt 900
 cagagcgtga ccgggtcaag atccccgcgc aaaaagcagc cttcaacggc cgaaactatc 960
 tcgcctacat cctctactct ccgttatacc tcacaggccc aattgtcacg ttcaacgatt 1020
 acatatccca gcagcgattt ccaccacaat cgttgacgaa aaccgcgaca atcctctacg 1080
 gaactcgctt tttcctaacc ctgctctcca tggaactgat ctttcacttc atctacgcgc 1140
 tagcaatctc caactcacat ccaaactggg cgctttacac ccagcccag ctcagcatgc 1200
 tcgctttctt caacctgcac atcatttggc tgaagcttct gatccctgg cgtttcttcc 1260
 gcctctgggc tctcgtcgac ggcacgcacc cgccagaaaa catggtccgc tgtgtgtcaa 1320
 acaactactc cgccttcgcc ttctggcgcg gctggcaccg ctctctcaat cgttgggctg 1380
 tccgctatct ctacgttcct ctggcgcgcg gcagcaaccg ctctatctcg agcccagcat 1440
 catcaacaag cggcaccaaa ccaccgtcat ctccccctta cgccaaagtc cgccagatat 1500
 tcaacttctt cgtcgtattc accttcattg ccctctggca cgacatcaac ctcagactcc 1560
 tgatgtgggg ctggctcatc accctctttg tectgccaga ggtcgtgggc accttactat 1620
 tccctcctag ccgatggcgt tcgcgcccga acacgtaccg cgtcatctgt ggcattggag 1680
 cggtaggcaa tgtgcttatg atgatgatcg ccaatctagt tgggtttgcg ctgggcttgg 1740
 atggaatcaa ggggcttttg tccgagctat tggggactac gccggacttg tgtatctcat 1800
 ttccgcatgc tgtgcgctat ttgtaggtgt gcaagtgatg tttgagattc gggaggaaga 1860

attaagagcc ggaataaaga tgaaatgt

1888

<210> 20158
<211> 1890
<212> DNA
<213> *Aspergillus nidulans*

<400> 20158

ctgtcgatac cagcgactag cgtactcaga ctgatctgct gtttcgtccg tcgttatggg 60
taaaactgtc ggtcgcttac gggcgacgtt cttagtatcg gtctgctgcy ttggatcctt 120
cctgttcgcy tacgatacgg gcattattgg cggaaatcctt actctggact cgttcaagca 180
gtcgtttcga tactcagagg cagagcgggc agatatacgt tcaaactcta ccagtcttct 240
gcaggccgga cgatgtcctt gtctcgactc ccaggcagtt ctggcagctt gctgaccttg 300
tgtcctcgat ctagctttct tttcctgctt tttcgcttgg ccgttcacca aaaagtttgg 360
tcgccgatgg tcgatacgcc tcgcctcttt gatcttctgt atcggcggga tcatccaggt 420
ggctccaacg cactcgattg gcgcgtttta tgctgctcgt gtgatcagcy gtgtcgggtg 480
cggcatggcc accgtgatgg tgcccatgta caggtaatcc tctgctgcct tatattgatc 540
ttgaactaag ctgacatccc gtctgtggaca gcgcggaaat gagccctaaa gagatccgag 600
gacagttggg cagtctgttc cagttcttct tcacgctcgg cgtcatgacc tcgtactgga 660
tcgactacgc cgtcgaaaaa tacgtcgcat cctctgatcy ccagtggcag atccctatcy 720
gactgcaact cgtgccggcy gggatcctgg gcctcggcat gctgtttctc aaggagagtg 780
tgcgatggct cgccagtgtc ggtcgacatg atgaggcgt gcaatccctg atctgggtcc 840
gtggaggaga agacacagag gaagtccgca ctgaaatggc agagatccta gacggcatca 900
gcgccgaagt ggctgcaact gagggcgtca cctggaaaga gctgaatctt ccagccaacc 960
ggttcaggat tttcatcgy ataagcatcc agatcggtag gtctccttgt tagatagcga 1020
ctctcaattg ggtctatgct gacaactgca gcgcgcaat gcactggaaa cacctcgtg 1080
gcatactgta cgcttgctca tctaaaacat gtctgcgtcc tggactgacc gtagcagatg 1140
cgcctcagat cttcgggtgc gttggaacga gcgagaacga cacgctcctg atcacagggt 1200
tcttcggtgt tgtcaaagtt gtagcatgcy ggaccttct ccttttcta gttgaacgga 1260
ttggccgtaa atggtctcta gcccttggcy ccttcatgat gggagcactc atgcttatcy 1320

tcgcgatcct cgccaaggtg ttcacgccag attcaaccgc tactgaaata tcgtctccta 1380
 ccgtgcacgc gattgcgatg atctatctgg aggcggcctc gtataacatg tcctgggtat 1440
 gctaacagcc agagccagtc cgtactggac cgccagcaca gcaagctaac aattcgacta 1500
 gggccccgta ccatggcttt acatgagcga gatcttccca acgcgaattc gggagatcgg 1560
 tattgccgtt ggaacagcta cgcagtgggt gttcaacttt gtgttctcgc aggcgacacc 1620
 gcatgccgtg aataacatgg gctggcggac gttcctgatg ttctgtatct tcaactgggc 1680
 aatcgtggtc tacgtctttc tgttcacag ggagacgact ggcaagtcct tggaggagat 1740
 ggaagatggt acgtatttca tagtgcaggt atacaataat gctgacggct cgcagtattc 1800
 aaatcgaaca ttgctcgggt taggaaagat gaagagcgtg ctgaggatgg agctcctaca 1860
 tatacgcagt gagactgcgt acggctgcga 1890

<210> 20159
 <211> 1896
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20159

accgcagctg ttggccttgg gccctggctt tccagcaatg ctgttctcgt gaagggttga 60
 cttctgccac ttcttggtca ttcaccatgg cgtcgttctc ccagctcgcc tcctctccca 120
 gaagagccgg actttgagcg tcgattcctg cggtagccgc gggaggatac cccccccaca 180
 ggccgtcgcg agatttgggg atggtatgcc tacggagtcg ctgccgaggt gtttgccgta 240
 tgcggtgtcg gtacgtactc tagagagatc ttccgcggtt ggtgctgact cttcaggctc 300
 gttcctcccc ctcaccctag agcaactggc ccgcgagcag gggttcttgt cttccagtca 360
 tctgccatgt gtcgggtccag atgcgcctcc cgctgccggt aacggaaccg cgccggccaa 420
 cgaggcctgt gttgtccgtt gatgggcttg gagatcaaca cggcgagttt tgctatgtac 480
 accttctcgc ttgccgtgct catccaggcc ttgaccctcg tgtcctttag tgctcttgcg 540
 gattatgggt agaccgtaaa tatcccgatg tcatgccatt atactgatat ggtgcagaaa 600
 ataaccgaaa ggccctatta ctggcattcg gctttatcgg atccgcaacg tccatgctct 660
 tcatgctcat cgttccgcca gtcttcgtac tcggagcgtc cctgggttgat atcggggtca 720
 cctgcctcgg ctcctctttt gttgtcctga actcattcct gcctatcctc gtcgcaaatg 780

atccctcggg acaaagagcc tcgaacaaga ataaggacga ccttcatgac ctccatacgg 840
aaggagacga attctcgtg cggtcttggg cggacgaaga agataccggg gatcatgccg 900
gcccggcggg ctcaaagaag gctgttgagc ccgaaaaggc gtccagctct acgtcgcccg 960
aactgcagct ctctactcgc atctcgtcac ggggtgtggg cttgggttac tgtgcagctg 1020
tccttgtgca gattctaagc atattgttgc tgttcacgct gtcgaagacg tccatgggca 1080
aatcccacc aactctgccg ctgcggtttg ttttgcttct agtaggtata tgggtgggctg 1140
ccttcaactgt cgtctgcagc cggtgggttac gaagccgtcc tggccctccg ttagagggtg 1200
tcacccctgg cgctgggtat cgtcagaaat ggcgtgtctg gctacgcgtt gttgggtttg 1260
cgtggaagtc tctctggaat accattaagg ttgactgcg attgcgtgaa gttgtggtat 1320
tcttggccgc gtgggtttctg atttccgacg ccatagcgac agtgtctgga actgcgattc 1380
tttttgcgcg gacagaactg catctgagta ccgtctctgt tgggtctctg tctatcacgg 1440
cgacaatgtc tggaatggcg ggcgcgttcc tgtggccgat cgtagcccg cggtttgcgc 1500
tggcgccaa ccatactatt cttttatgca tagcactgtt tgagatcatc cccttgtacg 1560
ggatgctggc ttacatcccc ttattcgaa actgggggtg gttggggcta cagaagccat 1620
gggagatttt cccttgggc attgttcatg ggggtgtctc tggaggattg gcatcgact 1680
gtcgctcttt gttcggcgag cttatccgc caggcagcga ggctgcgttt tacgcgctct 1740
acgcggccac cgacaaagga agctcattcg tgggtccggc tatagtcggc gccctgatcg 1800
atgcgaccgg gtctgtccgg tccggattca ttttcattgg cgtcttgatc ctactaccga 1860
tgccgctagt gtggttggtg aatgcagagc gagggc 1896

<210> 20160
<211> 1898
<212> DNA
<213> *Aspergillus nidulans*
<400> 20160

gttgaagctc tgtggatacg gtatgtcacc atattaacgc tgatctggga agtgaccaac 60
agcaaagtca ttcaatcctt gagatccgga gaataagccg tgcgcagctc caaacctact 120
acaagatcca aacactgtag acgtgttgct ttgaccattg gcgcgactca ttttgtccac 180
agtccgattt ttctcaagtc cgctttctaa ggataaaaaa agcacagatg gtagcttgat 240

ttacaatct ttttctctat cttttaoctg tttattttac cgggcataag gtacettatt 300
 catccgaggt caaagctctc atgttaacag tgacatacca gttataaacc agccaaccag 360
 atagcagact ttcaaactca tgacaacca ctctcaacag ccaccacact tgatgtggca 420
 tataagcagg agatgtcgtc gccctctcct cttctttcac cccatcactc cttttcttcg 480
 tgcgcgaagt cccataagtc gacttgtatc tatacatata tacctacctc cagccttcac 540
 tctaatacca atttatcgag aatgattcaa gacacctact ccgaggtgca atcccgctac 600
 ggcagcatcg cgaaacaaac aaacgcagac accaacgaaa ataaagacga caccgaagac 660
 aaactcgctc aagccttcgg atacaccgca gcagagctct cttctctccc cggttaaggca 720
 aatctaggcc tgagttgtgg gaacccatt gcgttcgcaa atcttaagcc ggtaattccc 780
 atctgacct atacttgga taatctggaa gtcggtctaa ctgogacct accgatctag 840
 ggagagacaa ttgttgattt gggcagcggc ggcggcattg atgtcttctt agctgctcgt 900
 aaggtcggcc cggaggggag ggctattggc gttgatatga ctgaggttag ccctctttcc 960
 gctgatgcaa tctcttaaca acacttatcc tttgcacgtt gaatagaaac acagcatcgt 1020
 aaactgacgt ctctccctc tgtcgcaact ccaggaaatg attacgctcg cgaccaccaa 1080
 tgcaaagaag gctaatttcc ccaataacca agtccaattc atcaaagccc ccatcacctc 1140
 aattccgtta cctgattcca gcgccgactg catcatcagc aactgcgtta tcaacctagt 1200
 tccaaggat gcaaagccca ttgtctttgc tgaaattgcc aggctgttaa agcccgggtg 1260
 ccgagttgcc atcagtgata tactggcacg gaagccctta agtcgggcct ttgtgagcga 1320
 tattgcgctg tatgtagggt gcgttgccgg agcaagtctg gtggaggagt acgaggactg 1380
 gttgggaagg gcagggctta aaggtatgtc cgtgggcttg tttgtgattt cgatccctcg 1440
 gatggtagca gatacgggtc cactgacagg atgatacacg gaatttttag atgtgttgat 1500
 tgttgatata aaggcggata tcaacctgta taaacagacc ttggactcca gtccagcggg 1560
 cagctgctgt gcgcctaaag agtcggttca aatcccggcc gcaaattttt cagatgttga 1620
 cttcaatgag tgggtcgggt agtcttttct gcgctccatg cctgcggtata gggtttggtta 1680
 aacagtgatg caggttcatt tcagatctat gctgtcaagg gtgggttctg aacagaactc 1740
 taccgtacgt gcgccagatt tctcttgact cttatagctg gaataggatg cgatagaagc 1800
 gcatcgtgta tgtggttgca caaatatacc atggttggtg ccagtgtgcc tcctgataag 1860

ggttggtat gttgtcaagt ttgctagcag agagagag

1898

<210> 20161

<211> 1900

<212> DNA

<213> *Aspergillus nidulans*

<400> 20161

ccgcaaaccg gtagagccca gtccggagtt caagcttttg cactcggagg caacatctgc 60
tttcatcgat ggggactatg accgcgcaat cgaccttggt aggcgtgccca ttcaggtcaa 120
ccctgagatg tttgcagctc actccttgct ctgagagatt ttctagccc aaggcgagaa 180
agaaaaggcc gtgacagcac tgttcagcgg cgctcacact cggccaagag atacaacagt 240
gtggttgaag gtggctagga tgataacgga acaggcaggc gacgatagac aggctgtact 300
gaacgacgtc ctctactgct atagtcgcgt gcttgaaatt gatcccaaa accacaacac 360
ccgcttccag agggctgccc tctatcgggg cttgggtcac aatggacgag cagtaaccga 420
gtatgagaga atccttaggg atcttctca caacgttcga gcgctccggc tccttacaga 480
taccctttcc gagcaaaatc aatatcaaaa agcgcttgac tattggtcag agagcataca 540
gcactatatg gcacaggagc ctgaggagac ccagagttc acgtgggtctg acgctaatat 600
ttacatcgag ctgtatacgt acttgggacg gcatgctgaa gggctcaaag ctgcgaaagc 660
ggtgtcgcga tgggttattgg ggcgcaaaga cgacactatg tgggatgact ttgacgagga 720
tgatcgtgaa tgggaccacg ccgacttccc tcgaaggatt aaagcagatg gttatattcc 780
gaaacagtgg ccgccggact cgtatggccc aggtttaccc cttgaatttc gcataaaact 840
cggctctctc cgtttgaagc taccggagcg gcacatcaat gaagctcttg taagtctata 900
tcagaagctg cttttttgtt ctctactaac tctgtttagc atcacttcag atggcttaaa 960
ccagaagata cctcagacgg gtctctagtt tacgattacg gtgacctctt tcgagaagcc 1020
gccgacgcgc tcaaagacgc cgagatgttc gaggacgccc ttcgattcta taggcccatt 1080
cagaaaaccg agtacgcgga tgtcagcttc ttcattggcca tgggagattg cttcaagtcc 1140
ctgggcgaac tggaagacgc agaaaattgt tatttgactg ttgcagaaca tgacacaagc 1200
aatattgaat ctcgagtgca acttgccaag ttatacgaaa gcataggaat gaccgagcag 1260
gcgctcagat atgtcaacga tgccgttcta ctaggacggc aggagcatag aagtaatcgc 1320

cgacggaagg ataccgggt cgaagagctc gcaagggagt tcaagtcggt gaatgtggcc 1380
gcagggccta aagaccagtc cgttgaatcc tcatcagccc ttggtaacaa gggtgaggca 1440
gaaaggaccg aaaatatata gttccttttc aagaagctga cgcaattgga accgaaactc 1500
caagctggag actctgaggc caaggaggac tggctagaca ttgctgacgc tcttctcggt 1560
gaatttcggt ccaacagaat cttttacccg cttcaacgca atgtggtatt ccttggatat 1620
agtagcaagg cgggcaagga tgcgcttatg gatgaattac aagaaatggc gaatcggtt 1680
caggagtcac taggtgcggt acgtccggta ggcgtcacgt ccgggcttag ctaacttcgc 1740
ataggggtgg atgaggaatt tccgcagtct acaatcccta cagactacca tggcatcagt 1800
ttcgacgaat ggcttgacct attcctgcag tacgccctaa cgggtggcagg tcaaggtgaa 1860
ttcagcgaag cgtatgatac tctaggagcc gctgcggacg 1900

<210> 20162
<211> 1904
<212> DNA
<213> *Aspergillus nidulans*

<400> 20162

ttcattcagc acgttatagc acaaattcac tattcgcaac tcagggataa atgatagttc 60
acgaaacacg tcatcctcga gccgggtatc ggccaggtag aagttccgga gcgagccacc 120
aaatgtagtg gccacatgct gagagaaatt cgaatctttc ctggatgatg ggctgccttc 180
tgcgaacttc gaagcagtgg agaccttcct tctccctga ctaagagagg aggcgaccga 240
cggttttcga gtgctccac caccgggaga gctccactg ggcgcgctgc cagatgcctg 300
gctgggacgc cgtgtttcct gctcttctac agtgcccaag tcatcataac tcggcgtaac 360
tgagccaccg ggtgtcatcg cgggagtagt accagcagta gcctcgcccg gaagctgagg 420
tggcgggccc ccatgcttgg gaaagctatc cagaacgttt gatgagacgt tgagagtctc 480
tagtttcaga caataccaga tctcttgagg cagccttcgc aagttacact ctctcagatt 540
aagggtactg agctcggcca aacaccctat agacggagga agtgacgaga gaggattcct 600
ggccatgcta aaatgctcga gtttagtctg ctcccagatg atgctgatgt tttatcctcc 660
gttttgagct ggctccacc cgttgaaaa gaagattgcc atccgtccca cctcggaac 720
cgatcatgtac ccctactatg ctaagtggat ccggagtcac cgagacctcc ccctcaagct 780

caaccagtgg aactccgtcg tccgatggga gttcaagcac cctcagccat tcctcagaac 840
 tcgagagttc ttgtggcagg aaggacacac ggcgcatcta actaaagaag ctgctcacga 900
 ggaagttatg tacattcttg acctctatgc gcaaatttac gaggaactcc tggctgttcc 960
 tgttgtaag ggtcagaaga cggagaaaga aaagtttgct ggtggtctct acaccacgac 1020
 tgtggaagga tatatccctg ctacaggctg tggatccag ggcggtacat ctcacggtct 1080
 cggtcagaac ttcagcaaaa tgttcaatat caccgtggaa gaccatcag cgaaggcgga 1140
 cgaaaagaag ccgcctctcc acgtttggca aaactcgtgg ggtctgtcta cccgacttt 1200
 ggggtgttatg gtcatgatcc acagtgatga caacggattg gttcttctc cccgtgttgc 1260
 tgaaccag gtcgtcgtcg tccctgtcgg aatccctgct aagctcacgg aagaagaccg 1320
 tgctaagctc tacgtgagg tcgacaaaat taccgagact ctactgccg ctggtgtccg 1380
 cgctatcagc gacaagcgtg agggatactc tcttggttg aagttcaacg agtgggagct 1440
 ccgtggcgct cctctgctaa tcgagtttg ccctggcgag tctgcaggca atttgtctc 1500
 cactgcccgt cgtgtattcc aggcaaggat ggcaaggga caatcccat cctgaactt 1560
 tccacagccg tccccgtct tcttgatata atccacaagg acatgttcaa gcgcgccgat 1620
 gaccagtatc gtacacaccg caagctcatc accaactggg acgacttcac cccgcctt 1680
 aacgacaaga atatctgcat cattccccac tgtctcactg aggaatgtga ggatcaaatt 1740
 aaggaaatga gcgccgcaa ggctgaggag gattccggcg tggctcaaga ctctcgtgct 1800
 cctagcatgg gggccaagtc cctctgcatt cccttcgacc agcccgaggg aattgtcccc 1860
 ggcgagacta agtgactaa ccctaagtgc acccgatttg ccga 1904

<210> 20163
 <211> 1907
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20163

ggcaacgttc tgctctcat gcgtgacatc aagaagatta tggacttttt gtcaatcgac 60
 aagaccgctc ctgcttacgt cgaggatatg atggcggtg ggcttcgacg gaagccatgg 120
 ttccaggaat gcagtaatat tcaatattac agccgagatg cttctcccag tgggctggct 180
 cgcggtccg aggactttaa ccggttctg caggtagcta ccgggcagat tgacagcctc 240

agtattatca aggagaaaga gcaactctttc ttgcgctcgc tgactctacc ggatctgcgt 300
 gaagcaggcg acatcctcga ggaagtgtgt gtcggatctg acgctgtgga gctacgggtc 360
 gatcttctta aggatcccg ctcgaacaac gacattccgt ctgttgacta tgctgtagag 420
 cagctctctt ttctgcgaag tcgtgtcaca ctccctatca tcttcacat ccgtaaccag 480
 agccagggcg gtcgtttccc cgataacgcc cagcagctg cgttggagct gtaccgtctt 540
 gcattcaggt ccgggtgtga atttgcgat ctgagatcg ctttccctga agacatgctg 600
 cgggcggtta cagagatgaa gggcttctct aagatcattg cgtcgcacca cgacccaag 660
 ggcgagcttt cttgggcca catgtcctgg atcaagttct acaataaagc gcttgaatat 720
 ggtgacatta tcaaacttgt ggggtgtgca cgaaacatcg acgacaacac agccctgcgg 780
 aagttcaaga actgggctgc tgaagctcac gatgtccctc tcatcgccat aaacatgggt 840
 gaccaggggc agctgagccg catcctcaac ggcttcatga caccgtgtc tcaccctagc 900
 ttgccattca aggcagctcc cggccaactc tccgcaaccg agatccgcaa gggcctgtct 960
 ctcatgggtg aaatcaagcc caagaagttc gccatcttcg gcagtcccat atcccaatcc 1020
 cgctccccag ctctccacaa caccctatct gccaggtcg gcctccccca taactacacc 1080
 cgcttgagga ctacgaacgc ccaagatgtg caggagtcca tccgctctcc tgacttcggc 1140
 ggcgcttcg taacaattcc gctcaagctc gacatcatgc ccttctcga cgaagttgcc 1200
 gcggaagccg agatcatcg tgctgttaac acaatcatc cgtgtcgcac tggcaagaac 1260
 actccatcac gcctagtcgg ccgcaacacc gactggcagg gaatgattct gtccctccgc 1320
 aaagcgggtg tctacggacc caagagaaag gatcaagagc agtctgccct cgtcgtcggc 1380
 ggcggcgcac ggcccggtga gccatctac cctgcacaa catgggctac tctcccatct 1440
 acatcgttgg ccgcaccccg tctaagctgg aaaacatggt ctctactttc ccagcagct 1500
 acaacatccg catcgttgag agcccttcaa gttcgcagtc cgttcgcgcac gtcgcgattg 1560
 gtacaatccc cgccgatcaa ccaattgacc cgactatgcg tgagacactg tgccacatgt 1620
 tcgagcgcgc gcaggaggca gacgctgaag ctgtgaaggc cattgagcat gcgccgcgta 1680
 tctgcttga gatggcgtag aagcctcagg tgaccgcact gatgaggctg gcgtctgatt 1740
 caggctggaa gactattcct ggtttggagg tgctagttag tcaagggtag tatcaggttt 1800
 gtttccttgc ttcaatcata ctcatgcat gcgagctaac tgaacgtagt ttaaatactg 1860

gactgggatac tcgccgctat atgagagtgc cagggcatgt agctccc

1907

<210> 20164
<211> 1907
<212> DNA
<213> Aspergillus nidulans

<400> 20164

tgctcatcac ggaacagggc tcgcaggcag tgctctggct ttttggtctt ccaagctcgg 60
ccacaaagtc accgttgtca agcggttccc tgagtttaga actagcggcc tccaggtcga 120
taacgggggtc agaatcgagg tgtaaggcg aataggctct gagagtgctt ttcgggcctt 180
atctggtcca gagcaaggct gcagggtggc gacaatgcag gtaaacgggtg ggcttaattc 240
cctgccaaaca gatctggaac agggccacag ggtttcacca gtgattttga aatcatgatg 300
ggcgatctct gccgaattat ctatgacgca acgaaggacc gtgcgaatta caccttcggc 360
agatcgattg agagcttttg agaaaagatg cggccattga ggtcctcttc aggagtggag 420
ggagcccggg atgatattct tgtttgcgct gatggccaag gatcacggac gcgcaaggtc 480
atgcttcgtt ctgatagcga ggatgctttt taatcgctca atgaatactc aacctacttt 540
acaattccgc ggtcgatgga ggctggagag gagtacattg ccacctcgta catcgctccc 600
ggcgacaggt tcgttctaac tcgcagacat aatccgcaga ggattcaggt ctatttaatc 660
ggcaaaagtg tcattaaatg accgaaagggt gtccacaaag gggacactag tgaggagaag 720
aaggcgtttg cagaggtctt tcgaggcgca ggggtggcagg tcgaagggat tcttgaattg 780
ctcatggaag ccgacgaccc ctactgcgag actcagggcc tcgtcaagtt gaatccctag 840
gtcgtgtcgt gtttcttgga gatgccgcgt actgtcttcg gcaagcacag gcatgggcac 900
ttctagcgca atcgtgggcg cttatatcct agccggagaa atatgggtac attgcccagg 960
ggatgacgcg gaagtctctc acgagacggc attctgggct tacgatgaca agtttcggcc 1020
gttcatggac cagggtgcga aagggtgttg ggatccgagt atcttcgata gcatatcgtg 1080
gtgcctctc accatctcta tcttgatttg agtcctgttg ctggcatcat gcttaaggct 1140
cgaccgattt ggggggttgc ttggggatca acctgaaaag ggggtgggaac tgccagaata 1200
tgggattttg atggatcatg ctgagctgta gagggctgta aaacataatt tacttggaat 1260
tccagaatag aatgaggatg caaacctacg actacatcta catctgcagc agatgattaa 1320

agataaatct gtttataagc aaaaatcgtc atatggaagg gccgcagaat gtatacgggt 1380
 gattataatt accttcaaaa gcatttggtt agaaactagc ttgccttaac taagataaag 1440
 ctctagttc ctactgtgg ctactgaaat tccagaaacc agaaataata cggattcaat 1500
 taggagtatt catgcgacgg agccagtgtt tggctcatcg cgattgccag tttgtttttt 1560
 tttgaaggac tctgtttcca aggactagtg cctataaggc gagaccacac ctgtcagata 1620
 tcactaata tgcagagcgg cctgatggcc gtgagaacaa gagaaaaaag tgagaggata 1680
 gagatacgat tgtcatgtca atagtgtcgt gcttatctta cacatgcttt gaagcagggt 1740
 catcgtttag gtcctagta tctaacgctc ttagcgaaac caaccaccct ttgggagacc 1800
 attttgttga aacgctatcc tgcaccaacg gcctcccagg cgcgtcgtct ggcttcttca 1860
 cagtaccagt agccttttta cggcctaaag tgggcttttc ggatttc 1907

<210> 20165
 <211> 1908
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20165

tggcaaaagt acgtttgtag attggcagaa ggtgaaactg caggagtcct cacatgaaat 60
 tccaaccggc agcatgcccc ggactatgga tgtgatattg cgcggtgaga tggctgaccg 120
 tgtcaaggct ggtgaacggc gcatcttcac cggtagcgtt attgttattc ccgacgtcag 180
 tcagctagga ctgccgggtg ttcgccccga ggccgttcgt gacaatagcg gtttccgcag 240
 caatgatgtt ggaggtggag gagtcagtgg cctcaaggcg cttggtgtgc gggatctcac 300
 ctaccgcctg gctttcctga cttgtatggt tactcctgat acaacgaccc ccggccagca 360
 atccaaccag caactgagcg gccagtccaa tcgaatcctc ggctcgctaa accaaaaccc 420
 cgatcctgag cccgacgacg acaaggcaca ggaggcattt cttcagagtc tgagtccggc 480
 agaagtcgag gacctaaaga ccatggttca ctccgaatac atttattctc gtctagtaga 540
 ctctatggcg ccgatgattt acggccaccg acagattaag aagggtttgc ttctgcagct 600
 cgtaggagga gtggctaagt cgacagaaca agaaagcctg cagctccgtg gtgacatcaa 660
 tatttgcacg gttggtgacg catcaactag caagagtcaa ttcctcaagt aagttacttg 720
 cttattaaaa tgttccttgc tgactagtca gatacatttg ctctcttcac ccccgcgccg 780

tctacacaag cggcaaagct tcatccgctg ccggtttaac cgcacggtt gtcaaagacg 840
cggagacggg cgagttcacc atcgaggccg gagctctcat gctggcgaac ggtggtggta 900
tttgcgccat tgacgaattc gacaaaatgg acatcagcga ccaagtggcc atccacgaag 960
caatggaaca gcaaacgacg tccatcgcta aagcaggcat tcacacaacc ctcaatgccc 1020
gtgcctctat tctcgccgcc gcgaaccca tcggcgcccg ctacaaccct aagaccacc 1080
tccgtggcaa cctgaacttc agcgcaccta tcatgtcccg attcgatttg ttcttcgtca 1140
tacgcgacga gcctaacgag gacgtcgacc gcaatctggc ggatcatatt gtcaacgtgc 1200
acatgaaccg cgacgcgcca gtcgagcccg aattcagcac tgagcagctg caacggtata 1260
tccgttttgc gcggacattc cgccccgtct tccgggagga agccaaggct gtgcttggtg 1320
agaagtacaa agagcttcgc gcgaacgatg cacaaggggg gatgggacgg tcatcatacc 1380
gtatcacagt ccgtcaattg gagtcttga tacgtctctc tgaggccatc gcaaagggtca 1440
actgcgttga ggagattgtc cccaagtttg tgcgagaagc ctacgatctc ctccgccaga 1500
gtatcgtcac ggtcgagaag gacgatgtcg aagtggagga cgatgaaggc gccgccaacg 1560
cagatgagga catgcccgcg cgcgaccgag acggcgacag cccgatgcgc gaggagcccc 1620
agtcggccgc cgcagctgag cccgttgaac cacgcgcaa gacaaagatt acctatgaca 1680
aatacatgaa gattctgaac ctggttgtgc gccggattcg cgaagacgag gcccaagcgg 1740
gcgagggtgt cgagcaggaa gacttacttg tctggtacct cgagcagatt gaggccgagc 1800
tgaacaatga ggaggatctg cagcgggagc gcagccttgc tgttaaagtc ctcaagcgca 1860
tggttaaaga taacattctc atgccgattc gtggggaggg ccttggtg 1908

<210> 20166
<211> 1910
<212> DNA
<213> *Aspergillus nidulans*
<223> unsure at all n locations
<400> 20166

cgcgatgctc gcaccatgag atacccaat tacaagtcgt ccaacgacag atctcacttt 60
cgctctcttt ccccatatc cgccgccttc agacgtcctc tacggacaca caagagcgta 120
ttcccatccg taaacaactc aagcaggaag ccaaagccat aaaatctcgg aagcgagaac 180

gacgagaaca ggaggaagct tctcggcata agtgggagtt gactgtggga gtggagatac 240
atgcgcagtt gaatacagag acgaagctct tctcaagtgc ggcaacccat tgatctcctg 300
atacttgcaa gtatctgatc attcagcttg aataggagca ccgacctcac cctccgaact 360
tcccaacacc aacgttgctc tgttcgacct cgcgtttccc ggcaagtcaac cggtcgggtcc 420
atatacaatc cgcggtgctt tcgggataat gctgatagat tggactagga attccaagtg 480
gcgacccttc tgctgctctc tcgcgccgca attgctctga actgcgatat ccagccggtt 540
agtcgtttcg accggaagca ctatttctat caagatcagc cgtcgggcta ccagattact 600
caatactacg gtaggacgaa tcccgtggtc ttgcggttcg gaaattgact tgttcagaac 660
cattcgccag aaatggctac ctcgaccttt tccgccatga cggatttgct ccagaggacg 720
gagaccgggt tcgtatcggc attaaacaaa tccagctcga acaagacacg gcgaaatcgc 780
aagaataccc tccatccatg cagctcctcg atttcaaccg tgtttcccat cctctcattg 840
agataattac aatgcccga aatccacactc ccgccacggc tgccgcattt gtgcgtaagg 900
ttcaagccat ccttcaatcg tgtagcgccg taactaccgg aatggaggcg ggtggtctcc 960
gcgcggatat caacgtctcg gtacggctac gagtgacggc ttcaggcaca catcaatata 1020
gcggcatcgg tgggcttggc caacgcactg agatcaagaa cctgagcagc ttcaaggcag 1080
tagaggacgc gattatcgca gagaagaaca gacagattgc tgttctcgag agnggggttg 1140
ttgtccgaag gcgagacgcg tggctggacg attggaagca ccgaaacacg gaaacttcga 1200
ggaaaagagg gcgaggtcga ctatcgatac atgcccgatc ctgatattcc gcctctcctg 1260
attggcaagg atatcatctc ggcgctttcg aataccatgc cggcgggtcc ggatgcactt 1320
atcaacatgc tagtcggcca gtacggactt gccatagaag acgcaaagcc gcttggtgaa 1380
cttgaagacg gggcacgact agagtattac caggatggtt tcgatatctt acgtaatcta 1440
cagcaagatc tcgattcaaa gactcaagcc ggtctcggcc gtggtgctgg caactggggtt 1500
ctccacgaac tcggcggttt actgagcaag gctggcctag cctgggatgc cgaaagagtt 1560
acagcggagt ctctcgcgcc gcttatcgac cagctccagc gaaagcgcat tactggagcg 1620
acggccaaaa aggtgcttgc catgttatctt gacggagacc gacggcctgt cgctcaactc 1680
ctcgaggagg aaaatctgat cttgcggccg ctgtcgcgtg aggaatacat tgctctcgct 1740
tcagcagcta tagagctgaa cccgcaaagc gtagaacaga tccggagtaa aaaccagctt 1800

ggcaagctgg gctggtttgt gggccaaatg atgcgtatgg gtgaaaaagg tcgtgtggag 1860
gcacaaaaag ctgacgcgat tctgcgagag cttattctag gattgtcgca 1910

<210> 20167
<211> 1912
<212> DNA
<213> *Aspergillus nidulans*

<400> 20167

caaccacggc tctgcaccca gcaagtctcg ctggcctgga aattaccgga ctctcccgt 60
gtttcgogtc cccagaatc tctctaatta ttgtctgcat ttttcttcca ctctcccgt 120
tgtcctcttg tcccagccct catttccgag tcgagtctgt cgatctcttt tcattctttc 180
caaaccttgt gattctttcg ttcccagtc ctcgctttca cctccaccg atccttagcc 240
atccccgact cctccagcc tgcagctcag ccttcgacct cgcccgaaca atcgatgtga 300
gcctccccgc ccgacaaact acagcgtatc acaggcggtc tggcaccacc tttctggaga 360
tccaagccat caccaccaa gctttctacg ctgcgaccgc gatctctctc cgtccggttt 420
acccagtc accggtctac aacctggggg tttctgtcgg aggttgatg atagttgaga 480
agtttggtgt cgctgcttat tgactccggt cgagatcggt cacctcctga atacttaaac 540
ggccttgaga cgaaacagtg tctaggacgc cgtgtgacaa acagggccgg actgtcgaaa 600
caaagtatac cagcctcct gaccgttcac gaaccgcgtt ccgcctgctt accaccgct 660
cggtggtaaa ccgcatatt gtaccacag ccgaatact tagacgatac cagctccgtc 720
acggagcact ttgtcaagat ttattcccac acatcatcac gagcgctcct gttcggcgga 780
tcctttgatc cttcgttcag acgagatcac gggggtttcc gcgggagaga aggctataca 840
aatgtgtccc cggcccctaa acgacgcaa atgtacaaac cgaattccct ttggacgtgg 900
tcctttgcca tcgtcacatt agttcaaacc gtcacaccc ttgctctgca atggtatggt 960
tgcgctctga catcttatcc ccggtgcttt ctaacggccg acttgcaget atatcttcgc 1020
aaacttcag ctccaactca cagccgaagc cgaacttggt acctcctcta aaacaatccc 1080
aactttcctt gactgtaca gtttcggatt tctctacgaa ctattcctcg tgtacgacgc 1140
tttgcgctc aaaaatacca ttcaggttat tggattgtgt ttgtgcaata ttggactgtt 1200
ggtttatggc gcagttcagg ttcagcagat caaggaagct gtgacagtcc taacggataa 1260

tgatgcagtc accacctgac atctgggccc aaactcaacc gttccttatac attattccga 1320
 tcgttgtggc catgggtagt gtgctgatga tgatcgtcgc ctggaagctt tatgatgaat 1380
 tcgcatggtc catctacaag cacatcagcg ctgatctgcg catgaagcgt cgttatctaa 1440
 cgtaccaggt gcgtggattt gctcttgccc ttggattcaa gtgaagtatt aacgtcttgc 1500
 cagatttaca tcgcgctgct taagttcgac cttttcttct tctcgggtt cagatccaa 1560
 ttccttgtca ttgttacgaa cagaaaagac acagaatttg cccttaccat tgccgccata 1620
 ccggttacaa tctttatcct cctctgtgca gcattattcg tgaagcgtga gagctcgata 1680
 ggaatgatcg ccattattgt atgtcactgg gttcatttga tgttgatta tcctaact 1740
 tgatagcttc tttatttcgc agccatggcg tacttctct tcaagctggc tcgtatgtat 1800
 caaccagcaa ccgccaatga ctattcaact gcccgacgat ctctgacatt ctttgccatc 1860
 attacactga tattgatcgt gatgacaatt atcaatgcct gcgtgtgcat gc 1912

<210> 20168
 <211> 1914
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20168

ccatgacgtt atcagagtgg cacatactag tcttggtaga agggcgagtg cttgctgtca 60
 atcgcatgaa cgatgaaatt gtatttgatc aagaggtcct ggagccaggc caagctgctc 120
 tgggtcttgt gacagacgca atgaaaggca cttactggct tttcaccagt caggacattt 180
 ttgagatatg tgtccaggat gaggaccgag acgtgtggaa aatcttcttg cgcaagcaaa 240
 agtttgagga ggctcttcga tatgcccgtc caagctccca gaaagatgct gtttctactg 300
 cttccggcga tttcctcgcg agcaaaggtc gctatataga agccgccggg gtttggggca 360
 agagcagtaa agcatttgaa gatgtgtgtc taacactcat caagcgtggc cagcacgacg 420
 ccctacgaaa gtacctgctt tcgcagctct cggtttataa aaagtctctc tcgatgcaaa 480
 ggaccatggg ggcaagttgg cttatagaag tctttatgac caagctgaat agtcttgacg 540
 acaatatcac aacgaaagcg gaacttgccg aggggtcaag cactgaagag atcgagcacg 600
 aactgcaggc cgttcgaaat gagtttcaag agtttgtgac caaatacaag tctgacctgg 660
 atcagaagac agcatacgac atcatcagca gtcattggacg tgagaaggaa ttgttattct 720

ttgccactgt ggtaaacgat cacaactacg ttctgtcgta ctggatccaa cgggaaaact 780
 ggtccgaagc gctcaatgtg ctgcagagggc agagtgaccc tgaagtgttc taaaaacaca 840
 gcagtgtctt gatgactcac gcagcgaccg gactagtcaa catcttgatg cgacagacca 900
 accttgagcc cgagaagctc ataccgcgtt gctcaactat aacagcacag tgacgggtgcc 960
 gctgagtcaa aaccaagcgg tgcgttatct taactttatc atcgtcaacc accctagacc 1020
 caccgctgca gtgcataaca cgctcatatc aattcatgct tcaagccgct cgtcctctga 1080
 agctggactt cttacatacc ttcagtcaca gccatcatcc ccgcctccat atgatgccga 1140
 ctttgcgctt cgcctttgca tacaacacca gcggttccag tcatgtatcc atatttacag 1200
 cgctatggga cagtatctcc aggctgttga gctggcttta cagcacgatg acattgagct 1260
 ggcgccatc attgctgacc gaccagaagg aaacaataag ctacggaaga agctttggct 1320
 cttggttgcg gagaataaaa tccggcaatc agacacaggg atcaaagacg ctatcgagtt 1380
 tcttcgtaga tgcgagctgc ttcggattga ggatctcatc ccatttttcc cggacttcgt 1440
 tgtcattgac gacttcaaag atgaaatctg cagtgcccta gaggactact cccggcacat 1500
 tgatgcgctc cgacaggaga tggacagctc ggcccaaacc gcgcgccaga tccggtcgga 1560
 aatcgccgcc ctgcacacac ggtacgcgat tgttgagcct ggcgagaagt gctggacttg 1620
 ctgcgttcca gtacttagcc ggcagttctt cgttttccca tgtcagcacg cgttccacag 1680
 cgattgccta ggtcgtgagg tgctcgaggg cgccggagga gagaagaagt atatacgaga 1740
 tctacagtct cagctgaatg aaggcgact cactcgtcc cagcgtgagg aggttgtgaa 1800
 ggaactggac gggtagatag cggaagcttg gtaagtacct tctgtttcat ggaacaggtt 1860
 tgatctagcc aaggctaatt gctagcactt agtatcctat gcggtgacca cgcg 1914

<210> 20169
 <211> 1915
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20169

ccagttcacg ccctccgtca acagatcaac tgtcgaaaca aactggttca ccagacatc 60
 ctgcgatcca ctcaatggga cagcacatcg agcacagttc ttcgttggcc ctgaagcagg 120
 ctctcgtgat gaaagcccac caatgacacc cagcgtcgcc gtcaacagct atactcctcc 180

aggcgcgatt accccaatcg gcgaaccgaa tgacccttac gcacgcagca agcgggcccc 240
 tcaatcga aaatcttgcg agcttgaccc gcggttcata tttaacggtc gtgacttgaa 300
 gcgcaggggt caacattctg gaacgtatgc tcgccatca acggcgcgct cctccagtgc 360
 gtcggatcta aaggaagcg acaagcgtgc cggatatctc ggggggaaga aagatgtgcg 420
 acagccagat acagagagca agccgcatgg ccatatggcg gaactcaagc gattcttcaa 480
 gatgggccac aagcataagc gcggggaatc acctacgtcg aagaaatcca gccgctcatc 540
 cggaagaac acgccttate aaatggcaac cgataacgtc ccatttgcg atgatcatgg 600
 tctcaactcc aagtatggta agcttgggaa ggttctgggc tcgggcgccc gtggctctgt 660
 tcggctgcta aagcgtaata gcgacggtgt aacatttgcc gttaagcagt tcaggagcg 720
 ccattcctgg gaaacaatga aggaatactc caagaagggtg actgctgaat tttgcattgg 780
 gtccactctt catcacggaa atataatcga aacactcgat atcattcaag agggaagcca 840
 ctggtacgag gttatggaat atgcgccgta cgacttggtt gcaattgtca tgacgggcaa 900
 gatgtcga aaagaagtcg cctgctcttt caagcagatc ctaagtgggtg ttgcttacct 960
 ccacggaatg ggtttagctc atcgggactt gaaattggac aacgtagtag tcaatgagca 1020
 tggaatcatg aagctcattg attttggaag tgcagtgggt ttccgatatc catttgagaa 1080
 cgacatagtg cctgcatcag gtaagtcagt ccaacaattc cagatgcttg tggaaagcag 1140
 tactgacttc tttcaggaat cgttggtcgc gatccatatt tggcaccaga ggtttatgac 1200
 gagaaaaaat atgacctcgc cccaacagat atctggtctc tggctattat tttctgctgc 1260
 atgagcctac gcagattccc atggaagcaa cccgagtta gcgataactc ttatagactg 1320
 tttgtttcaa cgccaacacc gggcactccg gtaccagacg ctgatccaag acggcaccgc 1380
 cccgtcaaat ctgcgccgga tttacatagt gccgccattg aggacaagcc tccgcagtac 1440
 gcggcaaaca taagcgaaga gccttcgaaa atcatggcta cgcccccgcg gtccccctgtt 1500
 aagcccacga caggcaacca agaggaaaac ctcccccgag agaccacaca ggagaagcca 1560
 ccaacaaagg acaccaactg tgataaggct aatacacaga acaaaccac tcggaccacc 1620
 agcaaagagg cacctccgct tccgccggg tcggcgcaag cggctggtca acgtcaggaa 1680
 gtcataaaag ggccttgag gctacttcgg ctcttcccc gggaaagccg ctacatcatt 1740
 ggtcgcatgc tcaaagtga cgtgaaagac cgggcaacgc ttgacgacgt gctcacggac 1800

gagtgggtcc gcaatatcag agcatgtcag caggaggtga ctggagaagt gatcaaagct 1860
 cctggccata cgcacgtcct tgagccccct tcccctagtg tgccggtggc cagca 1915

<210> 20170
 <211> 1916
 <212> DNA
 <213> Aspergillus nidulans

<400> 20170

gaacttcaat gatgaggag tcaagcgcgc tgtgcgagc tgggaggatt acgcagctcg 60
 tggacttgcg gacactgttt tcaacagtgc gcgtgatcgc gactgggaag ctatttccca 120
 gcccgcagc gaggaatcag gtataaactg ggagcaatgg gagaacgagg gcgacgatga 180
 acctgatata ggtatgttga catttttttt tcttgacga ttgctgacgg tatcagttta 240
 caaacttgcg gcctatcttc ctccgtctct tgttacattc ctagaagaca agttcaactc 300
 gttcacaagc ttctcgaag gcagcggcat cttacctccc aaggataaag actcagcgtc 360
 tgagtccaag gccgtcaca tggccgcga cgcgtcaaa tcagctgaaa aggacctcaa 420
 cgacgcaaag aacaagctca agaaagaaga ggccgacctt gaaactgact acggcactgc 480
 ttccatcttc cgcgccctta aaggggtttg tatccagaag gacgctggcg agtataccta 540
 cgagcactgt ttctcgacc aaacgaagca gatccccaag aaaggcggct catcttcgcg 600
 gatgggcagg ttcgagcgca tcgggtccgt cagcgttgat gaggtcaatg aagcaggtga 660
 aatcatccag gtgcagaaga cctcgttga gtataagaat ggccaggggt gctggaacgg 720
 acctgcagc tcaacaactg ttatctttaga ctgtggcgag gataacgaga tcttgaaggt 780
 cgctgaggat gaaaagtgtg tttattcgat gcttgtcaca acaccggctg tttgtgctgg 840
 cggcgaggag cggggcaatg tggctcctag ggcaaaggac gagctgtgat aacatagatc 900
 tagaatacac aaacatgaca ctactgcttt atttaattgc atacagcgtt gattcgagct 960
 ctcttgaaaa caattcatct caagcgacta ggcagctgac caactagacg ccgtgttcag 1020
 gtacgggcta caccctgttc acaaccact cgaaaactac gaagacaata cttcccagaa 1080
 gaagctaatt caggtgcacg tatctcattc ctcatctcaa taatctactc ataaacaaac 1140
 gaggcacaga aggtgcctga aaatcagaag cccagcgtc caaaacaaac atcctcaacc 1200
 tctaccggac cagacagaaa ccatgaatgc cccttggtat gtcggttgtc atcgccgggc 1260

attcagtgtt gacctcgagg tattttattga cgggagagat gctcgctcgg acccgaactg 1320
 gttggcgaat ttagtgctgt gaggtgacgt tagcaggtaa ggcttaggtc aggtgggaag 1380
 acaggtggac agaccttgca agagctgcaa gagcaggagt tgcactcgcc ggagcagcag 1440
 ttgcaggtgc agggagacat gttgatggtg tttgttggtg gataaaccgg tggaagatgg 1500
 ttggttggtt ggttgattga ttggatgagg aagtcgcgat aggatgcaga tggataggga 1560
 agagaagaga accttgggga cgaggctcct tatatatctc ttcttcctgg ctatcctgga 1620
 ctaggattgc taccttacac tagttccct cactaagagt acgcctgtta catctgacac 1680
 tgaattcacc tcagtatggc agccttcttt caccacgcc cagcccacg cccacgccta 1740
 caaccgccga tattgcagcc tgcacatgca cggttacgac ctacgcagct tacccttggg 1800
 gctctgactg gacaggctca gcatactgcg tctggcagtg gagcatagtg gacaccgaac 1860
 agtctgcaag aatccatgtg gtgcagcagg tgtgggtggt gtgttggcgg gcaaga 1916

<210> 20171
 <211> 1918
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20171

ccatccacct gcgtggcaga gtttgctgtc ttcttcgacg atcagactaa ccaaagcaca 60
 cagttctagg aggccagaaa atcactggtg ccgatgttcg agaccagtgc ggtatgtcga 120
 gtcgaaatct gcgtcgtatc atcttatgtt ggtccgcccc tgacgaatta tagtccttgc 180
 gaccaagcg attgcaaatt tagtcaagag ctctttcggc ccctcaggcc tggacaagat 240
 gatggtcgac gagatcggtg tatgcttgtt acggaccccg caatctatgg ctataccttt 300
 aacgagtgtt aggatgtcac gggtacaaac gatggcgcca ctattttgag cctgttggat 360
 atcgagcatc ctgctggcaa aattcttgtg gatctagccc aacaacagga tagggaggtg 420
 cgtacagtcc ataattaatg tatcaaagca cttgtgctga atcttcagg tcggtgacgg 480
 taccacttcc gtcgtcctca ttgccgcaga actcctccga cgaggaaacg aattgatgaa 540
 gaatcgcatc caccacacaa ctatcatcaa cggatacaga ctagcgcttc gggaggctgt 600
 gaaatatatg aatgagaaca tcgccacgaa ggttgaccat ttgggcaagg acagcttggg 660
 taacattgcc aaaacgtcca tgtctagcaa gatcatcggg gctgatgccg acttctttgc 720

gaacttgtgc gtcgatgcaa tgctgctggc caagaccaca aaccagaaga acgaagtcaa 780
 ataccccgtc aaggcagtc atctgcttaa ggcccatggg aagagtggaa cagagtcagt 840
 ccttggttaac ggctatgctc tcaactgcac cgttgccctcc caagccatga agactaggat 900
 aacagacgcg aagatagcct gccttgacat gaacctgcag aaggagagaa tgaagctcgg 960
 cggttcaaate acagttgacg atcctgacca gctggaaaag atccgtgaaa gggaatccgg 1020
 cattgttatt gaacgtgtgg agaagattct caagtctgga gccaacgtta tcctcactac 1080
 caagggcatt gatgacatgg ttctcaagct cttcggtgag aagggtgcca tggctgtccg 1140
 gagatgcaag aaggaagact taagacgtat cgcgaaggct actggagcta cgttggtgag 1200
 cacgtctctc gatctgaacg gcgatgagaa atttgaggcc tcctacctgg gtcacgcaga 1260
 tgaggttggt caggagcgga tatccgacga cgaatgcac ctcgtcaagg gtaccaaggt 1320
 tcacacttca gcgtccatca tcctgcgagg cccaatgat ttcagcttag atgaaatgga 1380
 gcgttcagtc cagcactccc tctgcgccgt taagcgaaca ttggaaagcg gtacacttgt 1440
 tcccggaggg ggtgctgtcg agacagctct tcacatgtac cttgaagagt tcgccgtcac 1500
 agtggtagct aatatggccc ccgccagttc tcattcattc tgacaaaacc ctatagggct 1560
 cccgcgagca attggctatt ggcgaaattg ctcaatccct ccttatcggt cccaagactc 1620
 tagccgtcaa cgcagcgaag gactcttccg agcttgctgc acaactccgc aagagacacg 1680
 ccttgcttca gcgcgtccag gaaggcgaag ctaatgagaa agagaaggcc gtcgctaaga 1740
 agaaggaata ccgaaactat ggtcttgact tgacaaaggg ccgtgtccac gactgcctca 1800
 aggctggtgt cttggagcct agcatgggta agctcaagca gcttaagagt gcggttgagg 1860
 cttgcattgc catcatgcgc attgacacta tgatcaagct ggaccccgaa cgcaagga 1918

<210> 20172
 <211> 1925
 <212> DNA
 <213> Aspergillus nidulans

<400> 20172

ggggtggctag tcggggcaag atgatgggcc gcagttttgg agataccaaa acagataagg 60
 gcgatgctcg caatcattct cgaaggattg attctccgc tgctgtcagt ggcttgccgt 120
 gcaagtcgaa gctatcgcta tcgacgtcga cagatgtcca gcaacttct gatgagacga 180

ctggttctga cgggttggca tggacgcaaa ctgcttccca ggaggccatt atgcccgtca 240
 acacggttca agcgcttgg gtgctcgttg atccattatt ccaggacagc agtcggctga 300
 caaggtttta tatcaaccac tgtacgtcgt ccactctttt taactcgtga acacgtctag 360
 gctaactgat actctctgct ctggtagtca atcaaaacct tgcggaatat ctgaccctat 420
 attccgacgt caaaaacccc ttctgggata tcatcccggt ggtgggtgac tcccctgtcc 480
 ttgctcactc tctcgcgcc atgggcgctt tgcattatgt tattttggca aacggcgagt 540
 tcgaccccat gccatggccc gtagggaaatt cgtcaagcag tgacatggtg actccaccta 600
 aagaaggcgg gccggttgag cttagcactt tgtctcggcg ctcgtttacc aaagtgtacg 660
 agcagtttct tgggttcaag caacgcgcac tacaccagct atcacgagat atatccgacc 720
 ctattctacg aaacgataac aagacgttgg cagcgataat ggttcttgct ttgatggacg 780
 ctgttgagtc tggacgaggg gcctggaaat accacctgga gggtgcaaag aagctattgc 840
 agagccgcga acatgataag ccgggccaag ctcaaacgat gatgaattgg ctgatgatt 900
 tcgctactga tgggtgccta gtgtgagttt ctccaattcg taagttttat gttttcggtc 960
 taatctgtaa tagaatccag cttatgggtg ctactttgac aaggcctggc accctttcaa 1020
 agccgttcta cacatccgcg atgggagctt cggctctgaa gcgtctagaa gaaacctcat 1080
 gggtcggctg tcccgctac ctactagagg ccatcttctt cgttcaagcc ttctttgacc 1140
 tcgacctaa tgacgacccc aattcacaac caagcactgt ctttccatct gtctacctcc 1200
 ccaaaggttc aaaccgcgtc cagtgtcccg aaaacctccc caggcacatc caagcgtttg 1260
 accctgtcgc ctgggcagag tccctccaaa gctacctctt cctcccagac ctctccatgc 1320
 gcattgcgct ggctaccata tataaagccg ccgtctacct ttatgccaca agagttcttt 1380
 cccgtcctcg tcccggcgca acaaccattt ctgcaactat cggctctcct tcagaccacg 1440
 ccgaggtcgc aacctttctt atcaaccagt tctctctcat cccgccctcc gatccacatt 1500
 tcaaatgcct catttgcccc tcgttcattg caggcgccga atgcagagat ccagcgcagc 1560
 gcccgtttat gtcgaaaatc cttegtactt tgtacttcca catcacaagc gtcaacgtgc 1620
 gcaacgccgc gtgggttcta acgatgatgt ggcgaaaacg cgattccaga cgcgcgagc 1680
 tgtcgaggtt tcgtgcgact accgcagcaa cggccgctgc ggatttatat tcagacagtg 1740
 ctgggtctga tttagcttt cctgctgcgt caagctcgcc ttcggtcatt acttctccgg 1800

ctactgcaac cgataccccc tcaaccacca cccctttaag ccctattgag gacaatcatt 1860
 atgatgatga cgacttcgac tggattcacg aattggatga ttccaatatt gattggctct 1920
 ttata 1925

<210> 20173
 <211> 1927
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20173

cccgcagccg attgagtcgt tcatatccgg cgccttgggc ggcgggatcg ctacggcggc 60
 cacgtaccct cttgatctat tgagaacgcg gtttgccgca cagggatctg gcgacaatcg 120
 cgtctacgag tcgctttttg cgtctcttag ggatattgcg aagactgagg ggactgtggg 180
 gttcttttcgg ggggtgcagt cgcgcgtcgg acaaattgtg ccgtatatgg gattattctt 240
 tgcgacctat gaggcgctga gaccggttat ggcgactgcg cctgaactat cgccgattcc 300
 cttaccgect ggggtctgggg acgcggcggc cggcattgtc gccagtgttc tcgcaagac 360
 ggggtgtgttc ccgcttgatt tgggtgcgaa acggttacag gtccagggtc cgacgcgcgc 420
 gttatacgta catcgcaata taccgagta tcgcggggtc ttcaacacca tgggcttaat 480
 attcaggacg caaggcctac gtggcctgta ccgcggtttg actgtgagct tgggtcaaagc 540
 tgccccggca agcgcggtca ccatgtggac gtacgaaaga gctctgaagc ttctccggga 600
 acatgagata gctgctggtc gtgacgagta ggagtcacat agatgtatag atattctgga 660
 cattttctta gactaatata tatactacgg ttcggtgtgg tcttgattag cataatctta 720
 gaaattatat ttatttgtac tttatgggtc ctccgccgaa aattaagcgg taaggccatt 780
 ggaagaattt aaaaaggggc aaacaaatca acgaacgcta cacgaaagaa aggggggtgc 840
 gcaaacagat taacagaata cacattggac tttggcaaga gacgtcgggc ataccaagaa 900
 ttaaaccagc catggttaagg caaggagcgt cccttgatta gtactcggct tcttcgccct 960
 ccatatcaag gctgtcccca gcaacctcct cgtaatcctt ctcaagggca gccaaagtctt 1020
 cacgggcttc ggagaattca ccttcttcca taccctcacc cacgtaccaa tgcacgaacg 1080
 cccgcttgga gtacataagg tcgaacttgt ggtcgagacg actccatgcc tcggaaatgg 1140
 cggttgtgtt ggaaagcatg ctgactgagc ggtcgacagg ggcgagttcg cttccgggga 1200

cacgcgcggg tttctggtag ttaattccca ccttgaaacc agtaggacac cattcaacta 1260
 ggttgaagga agccttggcc ttgagcgacg cgatggcttg ggtgcagtca cggggcacgc 1320
 agtctccacg atacaggagg gctacggcca tgtacttgcc gttacgggga tcacaaacga 1380
 ccatctggtt gttaggctcg gcacctagat gcaagatcag ttattatatt tctgtgatgt 1440
 aggcgacgga atacgttagc agccaaagtg aaaacataca ctggagagtg agatcctgga 1500
 ccttgaagct ctctgtagag ctgcggttgc ttgaaataac gggcgcgtac gagatcaagg 1560
 ggtagtgaat acgtgggaac ggcacaaggt tggctctgga ttcatcaga tccacattga 1620
 gagcaccatc aaacctaaga ctggaggtga tagagctgac aacttgggca atcagacggt 1680
 taaggtgctc aaagctgggg cgaggaatat ccaagttccg gcggcagata tcataaacag 1740
 cctcgttatc aacgaggaac gtgcagtcgg agttctcaat tgtgctgtgt gtggacagaa 1800
 cagcgttgta aggtctaacg acagcggtgg aaacacgggg agaaggatac actgcgaact 1860
 ccagcttga cttcttgccg tattctgtgg acagacgttc gaggagaaga gcgccgaaac 1920
 cagagcc 1927

<210> 20174
 <211> 1927
 <212> DNA
 <213> Aspergillus nidulans

<400> 20174
 cggaagcac catggcaaga ctcaatctca tatggttaagt tctgttctct gtctttgcgt 60
 cgactctttc tctggttttc gtggcgcttg gaaggcgctt cccgctatga cgtctgtcct 120
 gccctcccg gttcagtcaa aatcagttcc agcggtaggc cgggaaatca caaacgagcc 180
 ccggttggtg tttccaggaa ggatgcccg cctaaataga ccgcataatt ggcgtttctg 240
 gccttttgcg ggtctcgctg tgggcgttcc atgaagacct tgctcgtatt tacagtgcag 300
 cttctggcta cgctatctgt tcgcaggacg taatgtcgca aactgcgctt caattgtgct 360
 ctctcggtac acaggtctga cgcgttgatt tgctgtcaat ttctgtcctt ttgactttg 420
 ctacctcat ttactgcagc attggatttg gggcttgggc tgacgtttta ggcattcgaa 480
 aatgcttcca ccagtgttgc cgcctcccag atgcgtaatg ccctgaacgc tctcgctgag 540
 actgtccccg atcctaacga gcgcaaacga ttcgaggccg agatggacaa cttctttgct 600

cttttccgca gattccttaa tgataaggcc aagggtaacg tcgtcaattg ggaccgtatc 660
 gcccctcccc agccctcaca ggtcgtcaac tatgacgaca ttggcaagga atcgtctgtc 720
 gagttcctta acaagctcgc tgctgtcaag ctcaacggtg gtctcggtag ctccatgggt 780
 tgcgctcggtc ccaagtccgt catcgaggtc cgtgagggca tgccttcctt ggatctgtcc 840
 gtccgtcaga tcgagcactt gaaccgcact tacaatgtca acgtccccctt tgtcttgatg 900
 aactcgttca acaccgacca ggacacacaa tccatcatca agaagtacca gggccacaac 960
 gtcgacatca ttaccttcaa ccagtctcgg taccacagaa tcatcaagga ctcgcttctg 1020
 cctgcgcccc agtccttcga tgctcctctg caggactggt acccccctgg tcacggtgac 1080
 gtctttgaat cactgtacaa ctccggcacc ctcgacaagc tcttgaggcg cggcgctcga 1140
 tatattttcc tgtccaacgc cgacaacctg ggcgctgttg ttgatacccg catcctgcag 1200
 cacatgatcg acaccaaggc tgaatatatc atggaattga ccgacaagac caaggccgat 1260
 gtcaaggggtg gtactatcat cgactatgag ggcaagggtc gtctccttga aatcgcccag 1320
 gtgcccagg agcacgtcaa cgagttcaag tccatcaaga agttcaagta cttcaacact 1380
 aataacatct ggatgaacct tcgcgccatt aagcgtgttg tcgaggagaa cgagctcga 1440
 atggagatta ttgccaacga gaagtccatc cctgcagaca agaaggggtga ggccgaccag 1500
 gccatctacc agcttgagac tgctgttggt gccgccatcc gtcacttcaa gaacgcccac 1560
 ggtgtcaacg ttccccgtcg ccgcttcctt cccgtcaaga cttgctccga cttgctgctg 1620
 gtcaagtccg acctctaccg cctcgagcac ggtcagctcg tcatggacct taaccgattt 1680
 ggcggtgtcc ccgtcatcaa gctcgggtca gacttcaaga aggtttctga cttccagaag 1740
 cgcattccca gcattccccg tctcgtggag ctggaccatc tcaccatcac tggagccgtc 1800
 aatctgggcc gcaacgtgac cctgaaaggt acggtaatca ttgtagctac agaaggcagc 1860
 acgatcgaca ttccccaggt ttctgtactg gaaaactgtg ttgtacaggg cagtcttcgc 1920
 attctcg 1927

<210> 20175
 <211> 1929
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20175

tgcagcattt cgactttttc ctctttctag ccctccactc accgtctgcc agccgacttc 60
 tgcagaataa gcgcgcttcc tcgctcttct ttccttttcg cctgatccgt tgggtggattg 120
 gtctctgtct tgtctgttcg ctcccacccg attctctcct accaccactc tcgtcgctag 180
 tcctgcgcca actcctcttg accaaacacc tctcttattt ttcttttttc gatggagtta 240
 ctgtatatcta tggacggctc tgcattccact gctcatcgct gacaatcaac gatctagacg 300
 ccctcttcat ccacgcctaa cttgtctgac tgcatttgtg ggctgtgctt ttgcgactcg 360
 tctcaaggag tggatttcta gattgaaact ttccagccag aaggggggag aaattatcaa 420
 gtgggcatca gttggggaaa aaaaggaaaa agagacaaga ggatcgggga ggaagaaaat 480
 ttttttcttt gactcatttg gatgagcagc agcagcgcta gctgctgtga gtgacaaaaa 540
 ccccccgaag ccctgttggg tcaacacgtt tcacgtcatc cacagtgcct tcaccaaagc 600
 cagcaccccc tcccgcttgg ggacccaact cgggccttgg cgccgcaaaa aagtcattgc 660
 caggaaagct cctctcgccg cctcggtcga ggaatatgat gaggacgctc atgtcagtct 720
 ccctgaaacc cgtcaattcg ccaacgtcac tgccaaacgc tccaagtctg acttgaagaa 780
 gtcggccagg gtgcccttcg tcgaggtcgc cagtgactcg ggttactcta gccgcaccgc 840
 tgcgacggtc aacagcacc .aatccgcccc gtcgggctcg agacatcctc ccgccccctc 900
 taaggtcgat acatcgcaca aaaagactga tcttgaacga gttcgttcaa gaacaaaaga 960
 acggccacga gatcgtagcg cccatccatc acgggaggac agaatgcatg cgggccctta 1020
 ctcgcccggc tatccgccgg tccatcttcc acggtcaccg tcggtatccc accgacatga 1080
 acgaacgtat actaggcact atcctagcaa caactgggac cccgagcaga gtgtgtatca 1140
 cccagcgcac gctgagtccc gaccaagaga gtaccaatat tactcatcgc aagcgtcttc 1200
 ctacgattac ccaccgctt cgtcccagac gtcgcgttac gtcgggcag cgttgttgt 1260
 ctcatccagt acccgctc atggtcggtc tgcccggtcg aactcctacc atgcgaataa 1320
 caggcccgtg agcttcaatg ggatgatgcc ttccatgaac gggatcatgt acagtagctc 1380
 tccggttggc cgatatgacc atggcccgcc tctttctcct tcggttatg cagaactgcc 1440
 ttgcctattc tccgctcct tcgtataacc aacagccgcc attttatccc tatccagatg 1500
 ccacaagccc gccgaacgt atggatcggt caatgtctcg gcctagggag caccgccagc 1560
 cccgaccgtc catatttgag ccccccgcga tcgactatga tacttctgag gaagaggagg 1620

aagaagagga agaggatgtg gagggcgagt tgatggaacc atccccacct cccccacctc 1680
 ccggaccgcc cegtcaagca cggccacggc acccgtctca ttcacttgat cgtggggaag 1740
 acgaatacta ccgatcgatg ccacggccgc cactcaagca aaggggcccct ccacctcaga 1800
 tcatccagaa acggcccggg ctacaccaca agtcagctac tgccccctcc atcgtgtcag 1860
 agcgtcgcgg gtcgcgttct ctcgacttca ccgaacttca ggatgttctc tccgagtatg 1920
 gatacaacc 1929

<210> 20176
 <211> 1930
 <212> DNA
 <213> Aspergillus nidulans

<400> 20176

gcttgccaga ggaacctctt tgtatctttt ctgtccttaa agtgatcctt ttccacaaga 60
 tactttcagc acgtatataa ttgcattgta taacaagatc tctgatcctc ggtgctctga 120
 agtaaataa gaaaggacgt tgagtagtgc cgcactagag caaccttgag tgggtttcag 180
 cccgctttat ttagtcagtc ttgctctcgt cgtcatcgcc aatcgggcaa cctgccactc 240
 cttcacttct cccgtttctc ttctccctct cccgctcgtc cttttcccag ttttattctc 300
 aatcttgtgt tcttccacgc aggagacatc atcgcttttg cgtctcttcc tccaaacgga 360
 gccacgacc aacttgtgtg acggggcgaa gacgggatga gtgaagcaga gaccaacag 420
 gcccgaggac aacgaccgag ttgtgggaaa tggagcttga ggtctccgtg gataatgagc 480
 agcaattctg gaccagtatg attgtgcttc ccgtattttc tgcgcttgtg gtctccgttc 540
 tgagaactga cctgttccgc atccgcgcag gcatccaaga gattgtatcc gccccttgct 600
 cgacggaaga cttaatcgat gatgcgttac gggcgatatc aagtctgacg actaaatata 660
 aaggatatcg gcattatttt gcaaatacta cggtcgcgtc catgtgctaa tcaacttccg 720
 caccctcca gagcaatatc tccagtccga gtttgagggtt acaacatgtt cgctcacact 780
 ggtttcgtcg gcaatctttg tcgctcataa ggactatgtc cggcggcaga tgatatacgc 840
 tttattgcag gtaccgctcg ctgtttatac tattctcgag gaatcgctat tcatactcca 900
 gacaggaaga tgatcccggt acgcttcata tgattgcac tttccttctc ttcgatggcc 960
 ggcaccatga gattccactt tatatgatga atgaggaggg tcgttcccgc ggttactcga 1020

gttgcttcaa gtgcaatcgt acgcatggac gatgaaagcg cggcgaatth acaccggctt 1080
 ttgatggacc ttttgtatga gttgtcacgg atacagaaaa tcaaaattga agacctcagt 1140
 gagttttcaa cgctttaatc tgttgccgtg ctggaattgc taatatgttc atgataagtt 1200
 cttgtggacg acgattttgt gcggggtctt ttcgatatca ttgagcatgt gtcgtatgat 1260
 gccaatgacc catatcacta tctgtcatt cgtgtactgg tacgttcctc tttgccgctt 1320
 ctctgcaggt cacttgcgtga attgcgcgac agttgggtcct taatgagcag ttcattgatat 1380
 cagctcataa ccctgatggg gagcaatcgc cattgacccc cttgaccaac aaggtcatta 1440
 aagtcctttc catgcacggg aactcgtata agacgtttgg agagaatata atcctactaa 1500
 taaatagaga aggtatctcg cccgttgcg cgtttcgtcc atattatgcg ctgacacttg 1560
 gctagctgag acttcgttgc agctcctcac tcttaaactc ctatatctta tcttcacgac 1620
 accaagcacc tatgagtatt tcttcaccaa tgacctccat gtcttggttg atattctcat 1680
 acggaacctt cttgaccttc cggaagaagc ttcggctttg cgacatactt acctcaggg 1740
 cctctatccg ctgatcgctc atacgcaatt aagattaccg ccgcactaca agcgcgatga 1800
 actcaaacgt atgcttagcc tgcttgctcg aggtcagctg actggtgacg ctgctgccga 1860
 ctctgaaaag atcatgcact ttgatgaagt cgacgaaaca actcgaaggc tagtccttcg 1920
 atgcgccgcc 1930

<210> 20177
 <211> 1935
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20177

ggtcgttgcg gcgccattta gcaagggttcg attgtgggat ctcccgcgtt actcgagcct 60
 gctttcccg ccaatcaatg agatgaacta cagtccgagc tgcaaaactgt ctctgctata 120
 tgagacgcgt ttctgggagc accagtcaca gaatcctatc ttccgggggtt gcgggagtg 180
 cgacgttccg ggtgtcgggt cgggtctgta tccgagtttc aacatgaacg gcactgggccc 240
 tggtgttggt ctggcctctt acatctccgg cacacaggcg aggtctgttg gagctctgag 300
 cgatgaggat tacgtgggaa tcgtacagcg agcgatggtg gaattccatg gcccggttgc 360
 cgcagaacag tttaccggta tgactggcgc ccattagttt taccctctcg ttogaacacc 420

gtccaagtat taacaggctt cgcagggtata tacaaccgtc aatgctggga gatggatgag 480
 catcaggccg gtgcatgggc gagtccgctc gtagggcaac aagatctgtt tctgccggct 540
 tactacaaca ccgagtttaa gacaatcttc atcggcgagc atacgagcta cacgcatgcc 600
 tggatctttt ctgcactgga ctctgccgtt agaggaacga cgcagttact tttagatctt 660
 gggcttgtgg acgaggcgaa gcaaatcgtg gaagagtgga tgggccgttg gattaagctg 720
 tagcacgtca ttttgggctg agtgaagtga ttaggtgaag cggggagggg attacgagag 780
 acgagctcat gtatatatgg attagatgat aatatgtaaa tattctgggt tggttgatat 840
 attaataatg ggcgtgtaac atggttcaat agcctattgc taccggttat ccaatcttgc 900
 cctaaccaat aggtgcccga ccgtcactat atattcgtag cttttttcta ccatcccatt 960
 ctctccctc atattgggtct ccacgtatgc tagcaaccat gaaagcaatc agactacacc 1020
 ccaactcaga cgagaaacac ccctacagct ccagcaaccc ggcgccagca tctgcgctcc 1080
 acctggacac gatcccgatc cccaaacccg gcgcttcggg cgatctctta gtgcaaatca 1140
 aggcacgcac cataatccgc gacacactca cttggcctga gacatatgag cgagaataca 1200
 tcacgccggg gcacgacttt tctgggatcg tcgccgaagt ctacaacaag gaatccaaat 1260
 tccaagtcgg cgatgaggtc tttgggatgc ttgccacgga ccgtccgggg agttggggcg 1320
 agtatgcat cgtgctcgaa ggagaggctg cgctcaaacc atcaatcctg acgtgggagg 1380
 tagccgctgc tttgccactc agtgggatga cggcgtatga agcgctattt gttcatgccg 1440
 gagtcgccgt acccggtgac gagcaagccc tgcgcaactt tagagaaaga gctgatctcc 1500
 gtaatgaaga gggcaaaaat gagcatggaa agagagtatt gattaccggc gccgccgggtg 1560
 ctgttggtat gtacgtggta caacttgcca gactcgcagg cctacatgtt gtggcgga 1620
 ccagctcgaa ccagcgaaat gccgagttcc tgcgtggtct tggggcagac gagacgtggg 1680
 agtacacagc cctccagggt gatgctcacc ggaatgctta cgacattgtc atagataccg 1740
 ttggcggaca acctctggtc aatgcctggg gctgggtcag agatggcgga aacctggtct 1800
 ctgtcgactc gagcagcttc aattttgtcg aggagcatac gggccggggc attgcaagag 1860
 ataggggtcaa ggctttattc tttattgtcg aaggtagtca tcaagccctg aatgctcttt 1920
 cgcggtttgc ggagc 1935

<210> 20178

<211> 1941
 <212> DNA
 <213> Aspergillus nidulans

<400> 20178

```

aggcgcggt gtcagagtc ctgcactcaa ctaccatcga atctcgtaag gatttggctt 60
tgcgaaacaa tgcaacctat taacgtcctt agctttcaat cacgattacc cccctccacc 120
atccagccac tcattcaacc ccgacatttc cgactttctca cagcaccag aagcaagcga 180
tgacgatgaa ggagactatg tcggccaggc aaaccgcgct gggactccc acaagagtgt 240
atacgatagc cggatcgagc agctgcttta cgagaacccg gacatgccga ttctcatcac 300
cgacgccggg aagaaccacg agggcgcgcg gagctttatt gtgtacacaa tacgactgg 360
ggtagttct atagccggtg gtcttacttt tggctaaagt aagcaggatc tagaggttcg 420
gcgacgctac tctgaattcg ctctgttgcg gcagacgctc gtgagcctcc atccaactct 480
cattgttcg cccattccg agaaacactc gatggccgat tatgccgga aaccacaaa 540
ggcgaaagag gatgcgggca ttatcgacct gcggaagcgg atgctagcgg ttttcttgaa 600
tcggtgtcgg agaataagg agattcgga ggatggcggt tgggtggagg tcttagacct 660
gaatgttagc tgggtatgtg cagcaaagaa aaacgcgtct gggccatgct aacagtgctt 720
agagtggagt ttacattcc caccctgct ctctgtgcc caagaataat ctcaaggcgc 780
ctcccttgac cctgcgaatc ccacacctgc tcatgcttgg ctgccggtcc cgtctgcctc 840
tgcaaaattg aagagcacgt caggcacgtt ctctctcca aatgcggagg cttcaggctc 900
agaaatccta ggtcgcttcc cgcccgagtc gcggaagctg agcgagaagg acctggacct 960
atactttatc aactttgagg cctctactcg agaattggaa cttctcctgc aaggtaatat 1020
ggaaaaagtg aatcgaagga cacttgaca tttgtccgga ctgtctgcag acctgatgga 1080
gctgggagcg cgttacaatg gattctcggt gtcagaacag tccccaaactg tggccactgc 1140
aattgagcgg gttggacaag cggcgacac atcttacatc gagacggaag agctgtcact 1200
tgcgctgggc gcgaactttg cggagcccat gagggagagt gtcagttcg ccagtgtggt 1260
tcgcagcgtt ctacgatacc ggggtgctta gaggggtgcag gaggatatga cgagagacga 1320
actgagcaag aagaagagtc tactggagtc tctggagagg agtgagcagg aggcgaagcg 1380
tattgaacaa tacctcaacc gtacctcacc acaggctccg acaaaacaac gctcccttcc 1440

```

cacgtcgtcg gccactagta gccagggggg cactgacgag tcgcgggccaa gtggcgagga 1500
 gactgcgtct attgattctg acttcccccc gacgcatgca gagcacgttt cacagcgata 1560
 ccccgagtca ggacagacgt caccacccgc acaccgtaag acatcgagtg gaacgtttgt 1620
 tgcaaacaag attttcgggc gcatcagtca cgcggtccat ggattcgtgg atgtcgatcc 1680
 cgagcggaca cgacgggacc acattggcaa aactaaagaa agcttgggcc aggtactagc 1740
 cgcgaaactc ccgcactcat ctaaccctaa cgctaactga gtacagctgg agcaagcact 1800
 gggggtttcg gagaaggacg tcaaggacgc cagcgcagga gtcctgcagg acctgaagcg 1860
 gttccagaag gataaggagg cggatcttcg gcggtacatg gtatgttccc ttctggatcc 1920
 cttgcttgcg gctgatgtgg c 1941

<210> 20179
 <211> 1943
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20179

aaataaaaat tagctctata cagtaccctg cagttctaata acaagcagat attatatata 60
 ctgttagcca attatctgaa gccttaacaa atcctttacc agactatatt caggctgcaa 120
 acagggttat tatatatcta tatataatat atttcccggc aattaaatac tcaggcaatg 180
 atactggcaa ggaagttggt atattagcct ctaatatagt atttgctgac taacctgacc 240
 agcaaagctc tgcaggatac ctttgcaagt tatataatag cctgattaaa tagaaatcta 300
 gaaaacaata tacagtcaca actttaataa ctaaagctga atatctagct ttatccaata 360
 cagcaaaggc aatatactag tagaaaaggg tattcagaac cataggtttt gatccgcaac 420
 atcagatagc agtatactgt gacaaccaac agaccatcaa cttacttacc tctgaaaata 480
 tcaagcaata atctaagctc tggtatgtca atatacatag atcctggctt tgtcaagagg 540
 ttcaggaagg ccgactctat gttaaataga tacctacca cagatgatt gcggatggcc 600
 ttaccaagag cctgataatc taaaaatacc aagaatttgt taggatgctc aacctagtag 660
 atgtaaaaga ccttatccaa tcccaagaag gaagctgaag gactcttgat gcactgaggg 720
 ggtatgtcaa ctagaggagg ttctctctta ctaatcaata ttcagcacct tgtttgtttg 780
 cctgtctgtt taatacttta tgctgtttat atggcagga tatctgttta acaccttata 840

ctatttgtat ggcaaggata tctcctgcat aagcaagaac cttctttttg aagccttgga 900
aaaggtataa attgcctata cagatcatag ttaggagatc aagaccttca atgaaatcgt 960
tcactacaga tattgattac ataaccaccc caataatcca caccacgta acgcgagcgg 1020
gcgccttacc ggtgcctatc cgccagtagg aatatgaggg atcgccagag ccgtaccggt 1080
ccgccagtag gaattcaaga gacgagctgt actgggatca acccatatat tattgcagta 1140
agatatggtg gtatacataa tcaccaatgc atcactgtaa tagtattgct tggagatgcc 1200
gaactaacta tactggaggt tatatgaagg gcctcctgat gctatatata tagagatctc 1260
caagcaatcc tttcaatatt cttcagtact aatcaagctc cctccattgg ataattatta 1320
ttgatagtca ttgctttggt gtagctagag aaccccgacg ttagaccacg tcttacctg 1380
agcctcttgt ggtgactgt ttaacagcag tacttgggcg actctaacat gccagagcgg 1440
cgtctgctga aagttatgaa ttctggcagc aatgaagata ttgagagctt ggctatgata 1500
cagttgcata tccaagggca ggatttctgg aaagttggta tttttagagg tgtagtatgc 1560
caccatgttg ctgtagaata ttaacagagg cagaaagatt aaaggggaatc tgttatcagc 1620
ttttatctca ggtgagccta accagtgtcg aactagtct gctattatat aggagaagag 1680
aattgtgaaa gggcctgttg tgctagctat gctcaaggta caagtatttt cttcaaaaag 1740
ttgctttggt tccaggagga gccattgaag ggacatctct gcccggtgt tcacaagtaa 1800
gtggtctgtc atgtcaagcc aaaagtgggc agtacctgg atggattcct ctggaaagaa 1860
acagtactcc tgatggcgcc tggctatata tacttctgca agccagtctc tgtaggcttc 1920
cttgctgaat aggttgtaa caa 1943

<210> 20180
<211> 1944
<212> DNA
<213> *Aspergillus nidulans*
<400> 20180

tcgttggtcg actgtccgca cctaggatga cgccgtcttt gaagttgatt gccatgctat 60
cagaaagccg gagttttagt cgatatggct ttgaaaaggc tgatgaaacc actcacattg 120
atgttcctag gctaggaaaa gcagtgttag tttaggtcac gatgagcgag tttgaagtac 180
cggaacttac ttgacctctt cactcttcag gtgattcatg tcaatgtgaa tcccatctaa 240

aacagatatc agtaacgccg taaaatatat ttgagacgcc agtgaggagc ttctaacctt 300
 ccccgagcat ccccgtcata ccatgactgg cgaccatagt gtttgctagg agtggtttgt 360
 gcaagaattt gactagttcc ggcgtagacg agagcagagc aagcgtatct tctaagagcg 420
 gacggataaa tgaaagtga agtgtatggt gcgagtagaa tatatgtgat gagaaacagc 480
 ttcagcagag ctgaggcagg cgagccttac gtgggcaagc aagctggagc tgattccgcc 540
 aggcgggtcag ggcaactggg actctcattg gtcaagcctc ccgccgtctt ctccccgcaa 600
 catcgcccct agcctcctga gtgtacatca gtctatgcaa tcaagcaggc ttacagcctt 660
 ctatctaaca tctgtacatc cgccgaggct gagttgcgca ctgggcccgc ttatattgcc 720
 cagtttcttg ttatatctcg gcttgaggca gtctaacttc tgcaattact gtcattcttg 780
 cctgcgcttt cggcatccgt gcgactcaac atgtcggaat ctccgccgcc cccaccgtca 840
 tggagtatag ccagcatgac aaacagcgcc gttcagttca tgcgccttcc gatgctggca 900
 tcttcaggcc tagctgtcgt cgctagcggc ctcttatatt tcaaacaaaa gtttgtccca 960
 cctgcactgc aatattggtg caactggctg aatcctcctg ggaaactgac aacatgtgca 1020
 gcgagttaat ttatccccga aatatccccg cagatgcacg tacgaatgtg cccaagcctc 1080
 gccaatcttg tatcgaggac tacgaagagc ttcagctacg tactccggac ggcgaaagct 1140
 tgcattgctta ctttattcgt gctccccgca aacgagtaga ccagaatctt actgtgttaa 1200
 tgtttcacgg caatgcgggt aatgtgggac atcggaattc aattgcgaaa ataattgcaag 1260
 actacctggg ctgccatggt ttgatgttgg agtatcgtgg ttacgggtta tccaccggcg 1320
 tgccggacga acatggacta aagattgacg ctgagacagc gtcgatcac ttgcgactaa 1380
 gaggagagac ggcaaattca cggattgttg tatatggaca gagccttggg ggagccgtgg 1440
 ccataaacct tgtcgcaaac aacgaagaca agggcagtat ctccggtttg atcctcgaga 1500
 atacctttct gagcatccgc aagttgatcc caaggcatgt tcccagttcc atctcagctt 1560
 ctaatatctg cacaatgata acaatatcca gcgttttccc tcccgtcga taccttgctc 1620
 gtttctgcca tcagacatgg acgagcgagg aagttctgcc gaagataaca aagactccta 1680
 tactttttct gaggggactg caagacgaga ttgtgccgta agccaacatg aacccttttc 1740
 agattggtga taaagcccggt aatcaatgaa ttgacttgca acaggccatc gaacatgacg 1800
 caattgttcg ccatctgtaa ctccaagcgc aaagtgtggc gaactcttcc caacggtgca 1860

cacaatgaca gtgtcgcaga gccagattac tttgagcata ttcactcctt tgtcactgaa 1920
gaggtcctca agcataactg atga 1944

<210> 20181
<211> 1944
<212> DNA
<213> Aspergillus nidulans

<400> 20181

gcgattcggt tcggcgtgga gtgtcaggag tgcaagcacg ccgaatgcgt ctgtccagag 60
gtagcgccct ttgtgaccgc cggacttttg cggcgggtacc cagggtgacg gatcggctag 120
tgaggagggg gagagggggc cgtagagggt cgagagggcc gaggtgaagg tttggaagat 180
ctgtgactgc gactgtgact gcatgattgt gggcgtggtc gagatggagt gttgctgctg 240
ggagagtgct ttacgactcg gacgaatgct ggatctgtgg agctggagac ccagaaactt 300
acaggtgggtg actaggcgaa tctgatgcat cgcttactgt tggatacccc tgctgtcaca 360
gtatgagcca gtgatgcttg gccaaaccagc tgagtgaagt ggttgatgtg gtgatgaagt 420
catgatgaca gcccgtgtc attcttccca cctccaacct taactttata caacaatgca 480
caccaactat ccgcctttac ctggagaata aacgcatgag cgagtgcacc acaaagaatg 540
aaatgaacaa cctgcgcaat ctttacaata ctctcaagca tccatttoca accgcactct 600
caacgaagcc aaaatcgaa cccaatgcta gcaccatgtc cgacctaac gccctcttcc 660
gcaccaccat tcgccccctc cccgcgatcc acgatccatc cttcgcccc ccttcgact 720
catacgccca gaaccgtctt gtccttttag gtgacggctc ccacgggact tccgagttct 780
acgccgcccg cgcagagatc accaagcggc tgatcacgca ccataacttc accatgctcg 840
cgctggaagc agactggccc gacacggagg cgctggatcg ctacgtccgc caacgaccag 900
gtcacagagg taagatcggg gagacaaagg gcgacgccga ttatgaagac gagggcgagg 960
cattcgagcg atttccaacg tggatgtggc ggaacaagga gatgcaagat ctcgtcgagt 1020
ggatacggga tcataacgcc tctttacctg ctgagaagaa agtgggaatt tacgggatgg 1080
atctttactc gtcggggagc tccatgaaag caattatctc ctatctggat aaagttgatc 1140
cggctatggc gaaggaagcc cgaaggcgct acggctgtct gaatccgtac acggaggagc 1200
cgcaggaata cggactcgac gccctacgcg gcttcaaaga ctgcgagaag ggtgtcgtgg 1260

cgatgcttcg cgacttgctt gaaagacgcc tcaagtacgc agcacatccg ggcgacgggg 1320
 aggagttcac agcagcgagc aaaacgcgta cgttggttcgc gatgcggaga ggtactacaa 1380
 ggccatgtac tacagcagtg cgggaagctg gacgctgcgc gatagccata tggttgacac 1440
 gctaaaacgg ctgattaagc ataagcctga tgggaaggtc gtggtgtggg cgcataactc 1500
 tcaactgtggc gatgcgaggc acacggctat ggggactcgg cggagggagg tgaatatcgg 1560
 ccagctatgc cgagaggtct ttggcgagca gaacgtggcg ctaatcggtc gtggaacgca 1620
 tacggggact gtcgctgcgg cgagcgagtg ggggtgaagac atgcagatca tggatgtgaa 1680
 gccgagtagt cgtgactcgt gggaacggat tgcgcatgat acgggggttg aatcctttct 1740
 cctggatctg cgagaggaca gaatgtctag ggaggtcagg gaggcactgg cgaaggaaca 1800
 tcgacggttg cagcggttta tcggcgtgat ctatcggccg gacacagaac ggatctctca 1860
 ttattctgcg gcagatctgg tcaatcaatt cgatgggtat gtctgggttg atacgacgag 1920
 cgctgtgagg ccgctggagg ttgt 1944

<210> 20182
 <211> 1944
 <212> DNA
 <213> Aspergillus nidulans

<400> 20182
 gcgtctgtgt gtgcgatcaa ggatggaaaa tccatcgata cttcgtatgt gtccagacca 60
 actattcatt cgtttattca ttcattgcatg cacccttgc gtcctatatc ccgggaaaga 120
 agccagccat tcaagcatag cgatcatgat actgacattc ctgcttagaa tgggattaac 180
 acccctagcc gggctaccag gcgccacacg cagcggcgat atcgatccat cgtgagtgtc 240
 tcagttggac cctggccttg gggctcttaag aaagccggat ctgatctgat ctgatctgat 300
 cgactgcgat ccgtgcacct ccttgctgga tgcgagctaa ttcccgttt tccaggcttg 360
 ttttccacta taccaacgag gcggggaagc tcagccctgc aagtaccaag gagatgcata 420
 tcagcacggc aagcactcta cctgcacgta gcagtccaga caacgctaac gactgtccac 480
 aggcggaaga aatcctgaac aagaaatccg gttggaaggt cctgacaggc acaacagact 540
 tctctcagat cgcagtcgaa gaccgcgcaa gtgagcaaca caaactcgcc ttcgacatcc 600
 ttgtcgaccg aatcgtcggc tatattggca actactacgt caagctggac gggcaggtcg 660

aagggattgt attcgccggt ggaattggcg agaagagcgc gctgctgagg aaggctgtta 720
tagagcagac tcgatgtctt ggctttgcgg ttgatccgga gaagaatcag catgggcctg 780
gagacgacga gaccgtagt gatatcaccg ccagcgggag atcggatgta aagaggggtg 840
ttatctgcc aacggatgag caggtgagtt ttctccttg cggaatgtcg tgacgttgct 900
aatgttggct ttgcagttcg agatggcgta caactgcacc aagacgcaag gtctcgataa 960
gcagtaggaa aatagccgat ctactgtcaa tacaccaa aaccagttcg acttttgacc 1020
gtcgtagtat cggccttaac cttggaactc aggacatgtc cgcagcctcg gtagcaaaac 1080
aaatatatct ccaacaccca aacacgcaat atacagaaaa caccggacct ctcatagcac 1140
acatatacc aaaacaaaac aaaatgaagg tctagaactt cattaactta cctgtctatt 1200
ccatcccatt ccatcaacc aattcccaga cagaaccagc cagctcaaca gccaacagcc 1260
tattattcta actaggctat tcagcgttcc agatcagagt caaccagtca agcgccggca 1320
agccacagaa caaagagaac ttcaaactga gattaaagt cgggaacgcc tctgatcttc 1380
ccgcggcatc ctggtacctt tgctaagttg accagtcggt gttcctgact ttttctctat 1440
gtccttcatt cgacagttat gcgagtaagc aaacatgggc gctctacgcc gtagcctata 1500
gtctactgat ccaaataact tcgtacggta gtatcgcat accatcacct catcgacgtc 1560
tgccatccag tcttactgta tcgactcaac gccacgagca gaaacaaagc tggcggcaac 1620
gaccagata catccactgg cgtataacat agtgtgaaga tcgcccgtct ctttgacctt 1680
cagccgggat aaacgtggac tttactggtc tgaatgtcga cttagtggga atgtctggga 1740
tgcccgtcg acagactctg acggattacc gaggattact ttgtgctccg tacagcacat 1800
tgagatcacc tgacaaggat ggatcacaga taatcgcggt gatccctctg atccatcacc 1860
gaccagtac cactggtcca tccgacggtg gggcggagtt ggagaggcat acctcttgct 1920
tcttcagtca ggtatctgcg tgtg 1944

<210> 20183
<211> 1947
<212> DNA
<213> *Aspergillus nidulans*

<400> 20183

tgacagatca ggggccctaa tagactagaa gatctagata atttatttct attgaagaag 60

ttattatttc tactcctatt ttctagaaac ctgctaggat aagaattatt ctattatttt 120
 attagttggt attaaaaacta agtaaattag taattatttt atcttagttt tatcatatta 180
 agtagagaag attagctata gtatgttaat tctaataaaa ataatcatta gtacctctg 240
 cagccctaatt aatactaata taatattaaa tatatagatt ctataatttc tgaatctaaa 300
 gttgaaacta tacttttata ttctagtagg cctagattag taatatatta ctctactaag 360
 atatttttta aggactaatt tcctctaata tatttagata gctattatta ttaggtttta 420
 acttctaatt attattatta ttagatctag aaaataatta tattatttta gtaactaaga 480
 ttaatattag ataatcttct ttcagttagt ctagaaagtg tttaaaagcg tccttaacta 540
 ataattatta ggctaataat gattaagctg ataataattt aactaataat aataatctca 600
 atattaacaa tgatttaata gataatgata tttataaat agatatttac ctacttgta 660
 ggttgtttag gaaggaatat agtgtaacag gcataggcag tattattttc aactggatgt 720
 cctgtacaaa caagtatcat aagcttaaag aaagaaacaa aaaatagaag cgcagatatc 780
 ttctctctcc ctttatcaac ctttctgact tcccagacct gtatgccgac ggatcccttt 840
 tcaaaagtta tgaggacgga tctcctttcc taagcttoga ggccgcaatt tccgaagctg 900
 tacactgatg ttgcagagac cttatttaga accaggttga atccatggcc gacaaccaag 960
 atccaggcca tagcctgtga caaaggcaaa ggcaaggagg cattggaggc tcttatttct 1020
 agatggccat ggctcacatg ttactatgaa gtttcttaac tactgtgaag caaataagat 1080
 cctcctggct acataccctc cttattcaac atatacattg caacctcttg atgttgggat 1140
 cttttcgct ctgtctaaag cctatagtga cgaacaagaa gcatttctgt atgcttctca 1200
 aggtctcagt gctattacga aacaagacct cttcaggcag ttctgaaagg cctggaataa 1260
 ggctgtatct ccagctcata tcaagaactc atggagagca actggattag tgccctggga 1320
 tcctgaggtc atcctgtctt attttcagga ggatacagca tagcagcctt cctctagtaa 1380
 tcttcacggt ctatactgca agcagaggac tggagaaaga ttgagaggct tcttaaaaag 1440
 gtggtaatgg atttgaatga caaaaatacc aagaagttaa gcttgacaat gcatcacctc 1500
 tctacagaga atatcctgct taaggcacgc tgtgaaggcc tcgaggaggc actagttaat 1560
 gaaaggaaga gacggaagcg tggaaagcct cttatatttc agttgcaggc accagaggca 1620
 ggcaatgcag tcttttattc tcctaggagg atccagcaag cacgcgacct ccagaaagag 1680

aaagatgagg cgatacagca agctaaagct gctaaaaaag aggccaaact ataccggcag 1740
caggagaagg aagagaagca gcggaatact gagaaaagaa gaagaatcaa ggctctagaa 1800
cggcaaattc gattacagga agcagagaag aagaagcttg aaaaagagca acagaaagag 1860
gaggctcgta tagccaagga ggctgtgata cagcttcaaa ataatatcag aactgctaga 1920
cagagcaagt ctaagcttcc ggcaact 1947

<210> 20184
<211> 1947
<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
<400> 20184

ttatctcttg atcgtctgaa gccaacctca ttgatatttg ggccctcgca tacttgctaa 60
actagatccc tctggctatg ttatagcgat agactcgagc ttgtcacttt cctgctcttt 120
tcattgcgcg tcttggtcga gtagttactc tcttcatgtc gattttctgg acagtcaagc 180
taggtatcta gtgctgcagc tgtaatcata tacatcaatc agaggttcaa gtcgccagat 240
tgccatcggg aacaggcaca tatcatgatg ggatcgaagt aggtggaaat agatctgtca 300
aaatggaccc tgtgagccca ccgcattcca gaccgcccta tgggtactatg ctcgttaccg 360
aaaggggaag gagcgagccc gctccaacaa caggccttcg aattcacccc actattgata 420
cctcgggatg atatctggca cttagcccta ccacgcctgg cctcttttga gtaagttgat 480
tgccctcagat gaaagagaaa tttagccgtc tccaatatac ttcgctcttt gaaatggagt 540
atagtgacta acgcacacta cagatggact tgtacctatc tagtcagtaa ataaggtagt 600
aaaacttcgc agatatacat agaagcaagc aaacgcgaga tgtcaccag acttaatctg 660
cctgatccct tcgccacaat tccacgggta agcctgctct acccgttctc ttcgccaatc 720
caccctcgc aaagcctgtc tggtttagct tctgccccgg cccagcctc agcctcagcc 780
tcagcatcaa caacacactc agcaccaggc agcactcggc ctcaaggggc acgcacagag 840
ggcatccacg tctccctcta cgccaagcgc gaggaccatt cttccccgct cgcattgtgcg 900
gggaacaagt accgaaaatt ggagtacatc gtgccagata tcctatcttc cagtccaaga 960
tatggcgctg gcattgcggc tgatgtacct acaccaatac acgggaaagg aaaagttaca 1020
actctcgtca cagagggcgc aatccagagt aaccacacgg tccaggtggc ctccgtggct 1080

tcgaggatag gcctagaatc tgtggtcctc ctgcacaagg gcacgggggg cggttagcc 1140
 agtgcgaagg acaaagcagc ttttttgaga acgggaaatg tccagattgt gaagttgctt 1200
 ggtgcagaag tgaggatggt tgagaagcct gtggcccaa agacacaaga tgatattgtc 1260
 gaggagggtt tgaataatct cagagcagag ggaaagggtt cctattggat cccgtctggt 1320
 gcgagcctgc atccgctgng ggggttgga tatgcaagg gtgcgtttga aattgcggcg 1380
 caggagaagg acattctggg atcaccgaat gatcgtggtg gtggtggtta cggatcaaaa 1440
 cagccgcgtt tcgattacat cttcgtcgca tgtgggagtg ggagtacagt cggcggactg 1500
 attgcgggct tcaaactact cgagaagatg gagaactcac aaccgcacga gcaaacacga 1560
 ggagaaagaa agcgccgtgt tatagggatt cttacctccc cgacgatgcg aaagagatat 1620
 catgaagaac gcattctgcg ctttgcgca ggcgcgggga aattgatcgg attgaatccc 1680
 cagactgata ttacaatgga cgatgtagtc ctggatgacc ggttcgcggg agagagatat 1740
 ggtgtgctag atgcaaagac caatgacatg ctctctctga tggcagaaaa ggaagaagtc 1800
 atacttgatc ctgtgtatac ggcgaaagt ggcaggggta tgatgcattg ggttgccgaa 1860
 ggggagatag agaaagattt actagctagt cccgctactt ataggggtca agatggggaa 1920
 caggttaatg tcttgtttat ccacaca 1947

<210> 20185
 <211> 1949
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20185

ccttctcat caatcaacat aacagcactc gaaaacgtgc catgtcctcc cagccttcag 60
 caactcgcac gcgcgcctg gtagactggg caagcgcctt gcagttcacc gacctaccac 120
 ccgccgtcat tgccgcaca aaagactttt tcgtggatac tatagcctgc gccgtcgcag 180
 gtgcgcagca catcgccgta aaatccatgc tcgagtactc caagataatg ggcccagccg 240
 atggaaagtg cgagcttatc ggctttccgg atgtcaagac aaccccggtc tttgcggcgc 300
 tgggtgaacgg tggcgcggcg cacgttggtg agcaggatga ttacataat agtagtatga 360
 tgcacccggt gggttacctt ctggctgagt agatacttga atgtatattg atcgcggagc 420
 caggcgacga tcatctatcc caccgcaacta gccgtagcgc aggatgtcgg cgccactggt 480

agggacttca tcaactgctg tgtggtggga tacgaattcg cctgtcgggc aggtgagtag 540
 ctcggaag cccactacga ggtacgtata cgccttatct tcctttcagt tccttcgcca 600
 ttaacaactg agtgctagaa attccacaca acagcgacaa caggcgtgct gggcgccgct 660
 gcaacaaccg cctacctcct ccgtctggac agcgatcaat ttctctctc catcggcacc 720
 gctggaaccc aagcagccgg gctctggcag ttctccttg atgcaacgca ttcaaaacaa 780
 gtacataccg cgcaaccatg tgcggccgggt gtattctccg cctacacttc cgcgtccgga 840
 cttctagggga catccgatat cctcgagggc gaaagaggaa tgggcgctac actggggaat 900
 ctaaccacca ccctgaagc aatcgacagg gatctcggac ggaaatggtc tgtgttagag 960
 agcagcttca aatggcacgc ttcttgtcgc cacacacatc cgagcgccga tgcactgatt 1020
 gcgctcatgc acgacgagaa cgtcaaatat accgatatcg aatccgtcac agcatacacg 1080
 tataaagcgg cgctggacgt gcttggactt agcggggagg gaaagacggg gcaccagagt 1140
 aaattcagta tgggtttcgt gttggcagtc gcggcgaaga aaggcacggc gggattgact 1200
 gattttacgg aggaggcgct gaaagatcct gaacttcggg agctgcaggg ccgggtgaaa 1260
 atggtacttg acgaggagat cgacgctgcg tttccggaga aatggctggg gcgtgttggtg 1320
 gtgcagacga aggacgggag gacgttgagt aggacagtgg acgttgtgaa gggggatccg 1380
 ggtggacgtt gacaaggtac gtagcctctt atactacctt ttgaggcgag ggtcctaaca 1440
 tttggcaggg aggagatcga gtcaaaggct ttggcgctgg cggagtatgg acgtgtgaag 1500
 gatctgaatg cggtcaagga tgcgattcag agaatatgaa gactcgagga gcaggataag 1560
 ataaaccgat tctccttttc gtgagattgc tcagaacgaa tccatctcca gctatgtatc 1620
 ggccactgta cacaacggcc tcgcttttcc caggacctgg ctcagaccgt tttagtaatc 1680
 cgtattctgc caaaaaacgt gctcagaggg aggctccgc tgctaacttt atagttgaaa 1740
 gtgatttgag tgttttgcc aattttctca atttgcgca ttcgataatg cgtcattcaa 1800
 gggggggggt ctgtcaggac ctttctaggg caacatcgag cacgtgcggg gggcatcatc 1860
 ttatatatca aagaaggagg gatagcatgc ggtgttaagc tcatcccaaa ctccactgat 1920
 tctcgactca tgatttacca tcaagggcc 1949

<210> 20186
 <211> 1956

<212> DNA
 <213> Aspergillus nidulans
 <400> 20186

```

aatactgtga gcagccggga actagagaca ataaacattt tgcggctttg ggtgcttgg 60
tgcggtggtc tttgcagttg ggctccggct cgagctccag cttggatggg ggcctatctt 120
agggagtgca gaggccatac tctgtagctt gcatgcagaa tggaactgaa ctgatgtgct 180
gctgctgctg ctgctgctgt agaccgaatg cagagataat gtccatgtca gaggcggttt 240
aagcaggttg ggccgtggat tttggtggca ctccagatgc agaactcttg gggaaacgcg 300
gccccacca gggcatgaa cttctgtgtc atttgacaag gccgagtggc tagccaaggt 360
agttaatagc cttcttcgtc gtacaggctg ggtcctgcta gcagctagaa gccggtttat 420
aagccttggt gccgaggatc aatgctttgc gtattcttaa gaccctcca gtgtaagcaa 480
cagcaggcca accgaggtcc gtaagacctt agagtaagag acgatataca taatggagat 540
aacctgggtcc gcttatgtac gatgagattg caattgcatg tgcgacagtg actgcggggg 600
acagtatact ttggatctgg cttgtcgtc tctggtaccc acccagccta tatattctcg 660
gttatctgca ctgccgagcc gagatcactg cttccctctg gcgaccacct gcactgtctt 720
ttattacttt gttcatcagt ctactcaata tttctaccat ggatttctct gagtacaccg 780
gccccagcga cgagtgggtt gcccttgagc gcgatctgcc cgctgacgtc cctgatctcg 840
accccaacca gctcaaggac gccgtcaaca aaaccgcga ggagggcgca gcccgtagc 900
tgatcgagca gggtagctc ttgtacactc ggacggtaga cgtaattaac acacgtaggc 960
ctctcttcca aggtaacact gcgcgaccac accatcccca cccgcgacgg ctacagcctg 1020
gaggcacgca gctacaggcc cgcaaagtga agcccgtctg agcctctgcc tatctacatt 1080
cacctgcatg gaggcggttt tttgttcggc acgctctcat ccgaggatgc aacctgcgcg 1140
cggattgtcg ctcactcca cgagcaaac acgcccgtcg tcgtcgtgaa cgtcaactac 1200
cgccacaccc cagaacacat ttaccgact gcctggaacg aactgaaga cgcctttcac 1260
tggattcacg accacctttc agaaatcggg ggcgatggag agcgctcgt catgggcggg 1320
atctccgccg gcgcatggct gactgcatcg acgacgatcg ctcaggcaac aggcagaaac 1380
aaagaccttg cgcaacgccc taagatcaaa ggacaggttc ttatgattcc tccgctggca 1440
cattataact gctatgacct gcagctggcg cagatccggg accccagcgt gtcgagctac 1500

```

gtggaaaacc gcgatgcgcc ggttctgccca ttcaagagaa tggagctctt tacgtcattg 1560
ctcaagggtta ccggcgggaa ggaggttgag aaggatctga ggctcaaccc agggaatgcg 1620
agcaaggaag atgtcaaggg actgccgccca tcgacgttcg gggtcgctgg gatggatgtc 1680
ctcagggatg aggggctgtt atatgcgaag ctgctcgctg agaatgggta tgtctctttc 1740
cctgtctaataaacctgtgct gataatttgt tatgcagggt tcctacacaa acgaatgtct 1800
tcaaggggtgt cccgcacggc tttagacggg atggagatcg gctgtcgggt tgcaagaagt 1860
gggacgaggt catggcaggg gggatcaagt gggcactgga tgatcctgct ccaggtcctt 1920
ttgagatcca tgctttctga gctgctgtac tcatag 1956

<210> 20187
<211> 1959
<212> DNA
<213> *Aspergillus nidulans*

<400> 20187

ggcgcgcctg ttttgcttgt cagcgggagc atctaactg cggtacgctc ctgccctgct 60
caggtaccgc tgtcctgggc gcgccaacta acagagtgtg taggtgatga gagaccatgt 120
caacgctgca tcaagcgcgg gctccaagat gcctgccatg atgggggttcg caagaaggcc 180
aagtacctgc atgacgcgcc agacggcgct ctgatgcctg ggatcggcgg caataatttc 240
tacaacaaca attcaatgtc gaacgggtgtc ccatcgggtg gcataaatat gaatggcgcg 300
aataccgtca attcagcggc gactacgcag aattcgagcg caaacttcta tcctactccg 360
cagtcgaact acagcttata ccaggagaat ccgatcaacc accaaaactc tttcccatcg 420
caatcgccgg tgtccccgac ctttagcttg aagaccaacc caacccctcg caataccgca 480
cctaacaaca acaataataa tgccttaacg tcttcgatgc cccaaccgcg gaccactggg 540
gtgtcgaatg cacccaacca gagccagaat ccgttcgccc gcccgttctt cgaccccgat 600
gatccggctc ttttcaactt tgatctgtcg agtatgaatt ttgaaaaccg atatgggtgcg 660
ctggagttcg gtatgcttgg acacatggct actggggctg gcgactctcc agactctggc 720
accacagag gatcgatggg ccgcagcggg tcgacgcagt ttgcgtctac gcctattgga 780
ggaactacga cgttcggcga gagcccgcag aatcagcagc cattcatgtt cggggatccg 840
ctattgaacg agtggccgag tggacagacc tcgggccaac cgcacgtgaa tgtcggcgta 900

tatccgcagt ctagccaggg caacgtgata cggggacatc tgtctaagcc tgatgcgcct 960
 cagcgtttcg caattgaaag tggaccgaac aacttcacta gcccggggcg ggcgacgagc 1020
 ccgcagatca acagcggcgg atatgaagat gcgaacgcgt ttaacaatgt tgtgacgaag 1080
 tctaattggac tatctgtgaa cggacagcaa cgtcctccga ccatttctac accgagtttg 1140
 aagcaccaaa gcctgcagat gaacaaacga cgtcaccgca atccatcggc agtctacgaa 1200
 agcgtcaagg agccgtacgc gtataccagt cgcttccata gcctaacggc gtttattcaa 1260
 cggcgcttct cgccgcagaa gacactgcag attgccaaag ccctggcatc tattcgacct 1320
 tcatttattg caacaaccaa aacactaaac cgggatgata ttatctttat ggagaagtgc 1380
 tttcagcgga cactctggga gtatgaggat ttcataacg cttgcggcac accgaccatt 1440
 gtttgccggc gcactggcga ggttgacgct gttgggaaag aatttagcat cttgacggga 1500
 tggaagaaag aggtattact aggaaggag ccgaattata atgtcaacac aggtggttca 1560
 tcggccgcaa attcccgaaa catcacgcca cgtagctccg ttgaaagcac tggccgtcct 1620
 catccggtgt ttctggcgga actggtggac gatgacagcg tggtagaatt ttacgaagac 1680
 tttgcgcgat tagcattcgg ggattcgcgc ggcagcgtga caacgcgctg caaattgctc 1740
 aaatacaaaa caaaagagga catggaagcg gcacagtccg atgacaacgg gcagcgggtg 1800
 aacaaccacc tgcgtaaggg gggaattgcg aacgaggccg ggatgaacca gttaggattc 1860
 aaagatggca aagtcgagtg cgctactgc tggacagtca agcgcgacgt gttcgacatc 1920
 cctatgttaa tagtgatgaa cgtgcgtctt cctcttccc 1959

<210> 20188
 <211> 1960
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20188

tgcgcaaatt gcttcaggtt cggacgcaga ttgacgtggg attatcacat gactggccca 60
 gacagattga atactgtggt gattggcagc agcttttcag agccaaacca ttattccgcc 120
 gggattcgca aaacggaaca ctcggtagta cagcagcaga atatgtactc aaccgtctgc 180
 gtccagcata ctggttctct gtcatttac acgtgaagtt tgcggcttcc gtccagcatg 240
 gcccgcagga agttgttccc aaccgtcagt atgggctgga tggcgcgtct ctcacctcta 300

tgttgagtga aacagaagag gcaagccggc aaactggata cagccaggcc gaggcagagc 360
 ccaacgcgca cgccgtttct gaaacaggaa caactgaagc acattacca tcaaccactg 420
 aagcttttac gcaggccatg aacgagaata gaccggtacc tactgcacat gactctgaga 480
 cggttgagtc tgtgccggct caaaccgcg agtccttata ggcatggaaa aatttccacc 540
 aagtagctgc gaataacgag gcggcagaga actccctctt tccgcagga caagagaagc 600
 acgttggcac ctctgctctt aacactcaat ctcaaacgt cacttggaag aaaatctaca 660
 ctgacgagga cggacttgag cggaaattag ggggcattga aaagagcgca ccgcgcgagg 720
 ccaagaagca gaaggtcgag cagagccgc cacttgtgaa gaactctgac gaaataaacc 780
 tcgacttaga aagtgattct gacttgatg cgggggctgt atcagcgaga tcctctgcag 840
 agacggtcac tgcgacaaaa tcggtcagtg gcttccaagg aaccgctcta ccgcaggagc 900
 catctacaag tcgctactct gaggtgtcag acgacgtccg aagtcagttg ccggctagtt 960
 tctttacctc acatgagtc cctccatcta catcagatac caccctcccc ttccctgcag 1020
 agataaccaa caaaaccacg aacttccttg ctctagataa atgcctcccg aaccgggagt 1080
 tcctccaact tctggagtta gactcactgt acgggaaaac tgaccaggct cagtctcaac 1140
 gcccttttcg cctccaatac gacaaagaat ggttggaat cacgcgcgtt ttcgctggag 1200
 agcttcgcct tagtggtggt ccagacgata gaacaccggc caacagaggt gaagcagtct 1260
 atagaccact gattgaggaa gaagaaaaat gggttgagga gcacatcggt aagcctggca 1320
 agctcgatgt tcctgcaaac tttagccaa ctgcaccggt ctatgacccc gaggttctctg 1380
 ttaacacaga tcagcagccc cctgaatata ataactctca aacagctgcg ttctgtgatc 1440
 ttgttgggat tgagaacaag ttcgttctga cagatgagga gcgccagaaa cgtatgaacg 1500
 ctggtcctcg cccttcgagt cggctctggtg ggaattttcg tcctcgtgga ggattcaggg 1560
 ctctgaggag gcgagggggc cgccgaggcg gccatggacg tcgctactga gcgagtccat 1620
 ctattatttg gtgtaatagc agtaccctgg ctttctcaat ctggcttctt atctctgcat 1680
 gtaatctagg atgtgttacg aatctattac gaaatatcat gcgtgctgcc gactaccaat 1740
 tcaaggcgta agtgaatatg caaaaagctt gctatagcag gtgtgttaag agacaaaatt 1800
 cacatcttcg cactattcaa tctcttcaat cttcggcctc tccgcatgac cacccttcc 1860
 agccataggg ttaactctca accagcaat ttatcacct aactctaata tcggctggtc 1920

ttcttctactc ccattcccag cgtactgccc aacgccccac

1960

<210> 20189
<211> 1971
<212> DNA
<213> Aspergillus nidulans

<400> 20189

gcattggtac gtattgagcg cactggctcg caccgttctt gtaatgtttc tgactgccga 60
tttaggtggt ggaagcttcg gacgggtgta taaagggtat gacacttgac ctccacgctt 120
ccaaagtaca ttcttgatac gaacagcata ctacagcgtc gataaacgca atgggaaatc 180
agtggcgatc aagataattg acgttgaaaa cgccgaggat gaagtcgaag atatcatcca 240
ggagattgcc atcctgtcgg aactcaactc gccatacgtg accaggtacc atggatcata 300
tttgaaaggg tcgagtctat ggattgtaat ggaattctgt tccggaggca gttgctctga 360
tctaatacgc cgggggccta ttccagagga atacattggt atcatcattc gagaactgct 420
taaaggattg gactatctgc acagcgacaa aaagctgcat cgcgacgtca aaggtgcgca 480
atcacccgtt actattggga atatggttca atactcacga ttaatagctg caaacatcct 540
cctaacgtcg ggcggccaag taaaactggc agactttggc gtctccagtc agctatctgc 600
tacaatgacc aagaaaaaca ccttcgtagg aactccgttt tggatggccc cagaagtgat 660
caagcagtca ggatatgatt acaaggccga tatctggtca ctcggtataa ccgcgattga 720
gcttgccaat ggggagccac cgtactcgga tatacatccc atgaaagtcc tttttctaata 780
acccaaaaat ccacccccta cactgcaagg tgcatacagc aaagcattca agaactttgt 840
cgagctctgt ctacgaagag acccgcgaga gcgaccaacg gccaaggagc tccttgagca 900
tccctttatc aagcgagcaa agaagaccaa ttacctaacg gagctaattg agcgctatga 960
gcgttggcag gcagttagcg gaaatcagaa ggctgacgaa gatgacgagc tggatcagga 1020
gcctgcagct gcgccgaaga ccaccgagga agaggatgac ctttgggatt ttggcactgt 1080
tcgccctgtg ggccgagggc acgctttaa tccgatgaga gtgacagatc tcaacgccag 1140
gggctatggc acgaaagatc gggattccaa actcgaaccg cgaatcgaag caacgagatc 1200
gaataatcct atgacaccat catttgctca acctaaagagc acacctacct ctccgaaaca 1260
atcctctcca tcgaagattc cactacctcc ctccccggtg aaagcgacgc atatggacaa 1320

ctgtcccaga acgccttcgt atctgacccc acagaaacca aaggaaagtc ctgggagtga 1380
 atatgacaga gctttacagc aatcttttagc gcaagacctg agtttcctgc agcttgaccg 1440
 ctgcgccagga agctctatgg caactatgat agacagggaa agcccactct caacaccttt 1500
 accccaccag ccatgggtcat ccacggcagc ggaagcaccg aactgcagg catcaccttc 1560
 tcgacacccc gcggaacaac aagtcaggcc agatatggag ccgtcccgcg ctgagcctcc 1620
 attatttttct caaccgcaa ctcagccgca gcccccttca ccaatacccc caccaacacc 1680
 gaagcatgcc tctcctccgc cgcaacctaa acaacaaaag tatgtacatg caccgttgca 1740
 gaatcttcca tcaagtcatg tcaacccaaa cagcccttca tacaataagc ccgccaactc 1800
 gaacgcacaa gacatgaaac agtcacgaac gcctcacgaa atcactgccc tgaacagcgt 1860
 cattcttcct gccttgaagg aagctgtcca acgtcgagct cgccgtgtag atattgctac 1920
 ccggtcgact atagcccatg atggagagag tctgaaagcg gcattggagc t 1971

<210> 20190
 <211> 1975
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20190

tgttctggtt tgttttacat tttatcaacc tcctctgcat cactcgagtc gactgcagaa 60
 tcaagcgtgg atcaacgctg aaggagaacc gtctatctcg ataccgccag gcggcctttt 120
 acatgtcgtg ccttcgaggg actcagacca agcaccagat cgccagaata cctcctgcgc 180
 cagcatgctt gagaaagagc accaggtggg gttttatcgg gtatcaaata tgtgtgctat 240
 tgtggcaatt actggttata agcctcggtt ctgatataat gagctgcata cccagctcta 300
 ttcgtgacca atacttcggt caaggcgagg aacttcacgt cttcaccctt gatcgtgcca 360
 actggttcgc cagacttata gtgacccttg tcccgacatt tctctatgcc tatctctgca 420
 tcgacatcgc gtaccacttc ctatcaatct tttgtgtgct gcttgggttg accagcgagg 480
 aggccctggc accgttatcc gggagcattc atgatgcgta tactgtgcgc ggtttttggg 540
 ggtaagggtt ttggatgatt tccggttcct tgggtgcta gcttaaactc atcgaaacag 600
 caagacatgg caccaaaacg tccgttggcc actaacaagc tgcagcacct tcattacgct 660
 gcgcgttttc tgccttcgcc gtccatctat cctcgagcga tatgtgcacc taggtctcac 720

attcaccctg tccggcttga tacacgccat cggcgcattt atcgagtcag ataaccagga 780
 agcattgagt acgctcttct tctttgcgtc caacgcagcg ataatcataa ttgaggacgc 840
 actccagcat ctgtgcacga aactaggccc agactcgcgg cgcaaataa cgaccccata 900
 tacgaccag ccacctagcg tctttaaatt gatattgcaa tatggctggg ttctgagctg 960
 gctcactctt gtaggtccgc tttgggatta tcgcatgctc cgtgtgcact ggacgaagtt 1020
 atggccagcg gtttctgcgc ctgttagtca acacgctgta gtcccatcg ccgctaaggg 1080
 gtgttttgtc ctaatttcgg ggcttttcat gaaggttatt tttaggatta gcttgtgaaa 1140
 tgcgccatat aacagaactg caagcttcac tcagagcacc gttatttagt gctgttatga 1200
 gtatataggt tgtaatgggt actagtctgg cgacagaatt ttgatgttat aaacttgatt 1260
 cgacactgaa agataatata ttccccacta gggggaagct ccatgtatca acataaatct 1320
 tcaaattatt aggctgtaca tcctgagtca ataaatcaca aaaacgttaa aaaatcagca 1380
 ctgtattgct ctgggccctt ccagctaggc gttaatggag tggctacatg agactacgat 1440
 ccaaccatga ggtgcttgcc ctggataagg tcctagtcc acaagcttga gacactctct 1500
 cagcgtccc atttccatca gtacgctagt tgccatctct ttacggtttg tttatctgta 1560
 gccttattaa tgtccttatg tactgtaaca ccgtctctg gagaagagaa actagccact 1620
 cattccctga tccgagccta cagtctgccc cctaccatc gacttcaacc aaacgccccaa 1680
 atcaaacttt ctttactca aatcattcat atttcaaact actgaaacac ataccctgt 1740
 cctcagtagg tctgccttta gttcatcagc ggggctgtca ggataaacca tccgacaagc 1800
 tcctggccgg taatttcccg tttcgtactc cgcgagacgc tcggcgtgct tcaacacgat 1860
 agacaaatcc cttaacgaca cagtccgagt ccgctccatg ctgactctcg tccacaggta 1920
 taacggcagg atactgttcc catagcttta ccttgtagcc gaagatccgg gatgg 1975

<210> 20191
 <211> 1977
 <212> DNA
 <213> Aspergillus nidulans

 <400> 20191

tccgccatca aacattccaa ctgtccaaaa taaccatcg aaggtccagt taagccgtat 60
 cgcgcatgtt tattttgagc acagtgatct ggacgctttg acagatttgc caaagacttc 120

ggatttgttg atttagcgcg caaggggacg acaatctact accgtggcta tggcaaagac 180
 ccctacatat acgtcacctc ttagagcctc aattcaaaat cccggttcaa cgggtgcagcc 240
 ttcattgcaa aggaccagga aaatttcgac aaggccgcaa aattaccggt ggctatccgc 300
 aaagccctag atgatgctcc cggaggggga gagatgatca cgtttgcgcg tcccaacgga 360
 accttcctgt acgtggtaca cggccaagcc atgcgggaga tagacagtaa gagagaacca 420
 ccaacggcaa cacatgaaac ggaaggtccg ttcaactaac cctttgacaa gcctcgtaaa 480
 gggccagttc taacgctacc gcgaaggccc tgtcctgata caaaaactcg gacactacgg 540
 ctacgtgtgc aaaggatttt caaacggagt tggagttctc ctctgggaac ttcaactttg 600
 tcctttctga tatcttatac ctgccccagt ttcttgacaa ggaagtcag accttcataa 660
 atttggagcg gcgaagagta taccgatcac catacgtttt cttgcagcag gctccggcga 720
 cgggtgcgaa gacctatgtc catcatacac cgtttgaggt ggccgacttt gatacgagc 780
 taatggggca ccatttatct tgcaagaag gaatggaaga gcgtgttggg agcttagtgg 840
 catatcttag gagccagatc ttcgattact agaatgatag ttccaagtgc aagatcgagc 900
 attatgccga tggagatgtg gtgaatcggg ataatccgac gacgagagaa cttgttcgcc 960
 cattgtctgt ttggggctgt gagttaccta gtgatcttgg ggacaataag gtgaaatgac 1020
 ggctctgcct tctgctatcc cctgttactg tactgcttta aggtacgtag gtgagctcat 1080
 tcaacgtgac gggtaattcg ttattactct tctttagtaa tctgctgaaa tatatgtgct 1140
 atatataaca gttttatgct atatcaaac tcatgaagcc ctattttgtg ttcatttgtg 1200
 gcgtctgcag accgaaacag attgactacc agaaactcag acctacattt cccgggtatt 1260
 tgcttgatg atttcacaaa gccctcgggt gtaggctgca ccttatgcaa gagtgatgtc 1320
 tgatcatttc ttctcggta atcgcathtt gttcatgtg tatgaggcaa cggatcgcca 1380
 tgggtaaccg gcgccggagg aactaggaat gtagcggcaa tttgtaggat cagtcgttgt 1440
 tcctcagcgg atctgtacaa ggacacatgt taccaccaac gtcaagcact ttattagttc 1500
 cacttggtgg gcgaaaccaa ctttagtgac tagatgtaat tgctggaaac tagttcgagc 1560
 cttcaaccta gtactactaa gagctactaa tctttgcgcg ataagcgctt tactagtttt 1620
 ggaattactg gagcggccca aggcgcgatg ccggggctca gcgggcttct gccatttgga 1680
 ttcgaggctt acctatgcca atgttttaag tattaaagag acttttcggc ccatttcgct 1740

tctgtcggct catctttgct ctgcagtgc cgggtctagc ttagatctct tcggtatcag 1800
cttttgaata tacgccccaa gccaaagcttg gtccccgttc aaacaccata ttcataatTT 1860
ctgtttctttc tctccatagc acaacagctc ggtctactca tgttcgctct aatcaccggc 1920
tgcagcagcg gaattgggaa ggacctcgca attgcttttg cagccaaagg cgtcacc 1977

<210> 20192
<211> 1981
<212> DNA
<213> *Aspergillus nidulans*

<400> 20192

ctgggtcgcc accatggaca gaggcttcat gatgctgatt ggctgatctg gacggtttcc 60
agcgtcccat atgcggggcca gccgggtcaa ctcagaacct cgaccgcac cggagttgtg 120
cttcccttgc tgcattgtag gagtagctg cggcgaaagt agttgtaaca gtataaaccc 180
ctaacagtcg ccttgcttcg ataatcgcc tcgcttgctc aaacgggtgca gggcttctcc 240
ctttttccta ctgacagcc tcctattgag gaagccagga cggacgggtga cgctcgagc 300
cgtgcatccc atccccata gaattcattg aatcatacct tacgccaccg ggaaccgact 360
cttatcaggt cccgaaccac gttcgtttct gatcttattc cgttcgattt cgttcgtttc 420
tcacctccc aataatggct gaggcagcag aaaagatgcc cgcggtcgac tcagccaagg 480
aggaacaagg ttcttcgggtg gaagtgcctg tgaatgcgtc cggccaccgt caagagctcc 540
aacgcaatta cggctctgctg agtatctgtg ctcttgccat cagcactgga aacacatgga 600
ttgcccaggg aggaagtata ggcactgctc tttctaattg aggccgtct ggagttatTT 660
acgaatttat cgccgtctcg gtctgctact ggatgggtggc tgcattcaatt gctgaactgg 720
cgtcaggaat gccgtctgct ggtgggtgga tgattcctcg ctccgctgcg ttctttcgct 780
ttggctgatt tgcttatcta gtctatcact gggcttctat tactgctggg aagtatggc 840
gcgtctgcgg gttcttcgcg ggctgggtgga actgcttggc ttgggtgctt ggtggcgctt 900
ctgtatccgc cattcttggc cagcagacgg tctcgatgta tgcgctgatg caccocgat 960
tcgagatgaa ggcattggc gtctttgtca gcttcatcat ctgtacatgg ctctgctgct 1020
cgatcgtcct atttttgaac cggttcctcc cgcagttgaa taacctgggc ggattcttta 1080
ttctctctgg tgtgctcatt gtcattcattg tcgccgctg catgccccat gttaatggcg 1140

tgccgtatgc cacgaatgag gatgtctggc ggacctggac gaactcgacc ggatactcta 1200
 gcaatggctt cgttttcgtc gccggtatgc tgaacgggtc ttacgctgtc ggtacacccg 1260
 actgctcgac ccatctcgcc gaagagatcc ctaaaccag cagaaacatc cccaaggctg 1320
 tccttgctca gatgagtatc ggcttcatct ctgccttgct ttacatgatc acgctttttt 1380
 acgccgtcaa cgatctcgag tctgttctgg ccgcgccttt ccctctcgct gagctctacc 1440
 gccaggcgac cggatccaag ggcggcggtc ttggtctcct gatcatcacc ttctcccta 1500
 ccgtcatcaa ctgcgcgggt tgctacatca ctgcggggcg taccctctgg tctcttgccc 1560
 gcgaccgagc gactcccttc cccaactgga ctggccgtat caactcgact atgcacaacc 1620
 ctttcaatgc caccctcggt tgcggcggcg ttatcacaat cctggcgtgt atttatgttg 1680
 gttccaccac agccttcaat gctttcgttg gctgcttctt ccagctctct tctctttcat 1740
 acttcgccgc catcttcccc catgttctca ctgcgcgtc gtcctttgtc cgtggctact 1800
 tctggatggg caatattgga tacgtcatca atgtccttag ctgcatttac attctcgct 1860
 tcgtggttat cttctgtttc cccttcgtc tgcccaccga tgcgggttcc atgaactacg 1920
 ctagcttgat gaccggcggt ctgactatct tcgtggccat caactgggtc ttcagaatgg 1980
 g 1981

<210> 20193
 <211> 1991
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20193

cacattcagc ctattatttt ctgggcgtca ttgactggga gtaccgagag gtacgctcag 60
 gttctgctgg aggatttgcg ggcagccgcg cagagccagg ccgaccccga gaaccgcgaa 120
 cgcgggcttc taccctctca gatccatgac ttggctgaag ttgactacga tgactacttc 180
 acgacagcac ctaaactcc accaacttcg cctggcacc gctatgtgta ctgcttctg 240
 attcccagct ataacatcga cactatctg gatactttct tgggccacct cgatgagaca 300
 caccatgact tccgtattga tacaggatct ctgtcgactc tcgctggata cgctgttttc 360
 ggattcggag ataaggaagg atggccgacc gaagaggaag gattttgctc gcaggccaaa 420
 gaacttgacc gatggatggc taagctcaca aacaagaaaa gagcatatcc tctcggcttt 480

ggtgatgtga agagcaacgc cgacgcttct ctcaaagaat ggtctgccgg actccaagat 540
 attctcagtg atactgtcaa gaatggcggc ctgggtgaag gagtcccga agtggcgatc 600
 gcttgagagc gacgaagaac tctctgacga cgaagactct ggctcaggca aatcaaaggc 660
 tcgtagaaag cctcagtcgg tggtcgactt ggaggacatc aagatgggtt ccaacgggtca 720
 agctgtcggg tcacccatcc cggttgactt cacaacctca ggtgcatccc gggatgttca 780
 gcctactgaa aaggaaatgg tgcctaaaac ttctcctact tacgcttctc tcacaaagca 840
 aggatacacg atcgttggtc cgcatccggc cgtgaagatc tgccgctgga ccaaaccggc 900
 gttcgcgac gaggatcatg ctacaagttc tcattctacg gcattcggtc gcacctgtgt 960
 atggaggcga caccgtctct gtcttgtagt aacaaatgta tcttctgctg gagacacggg 1020
 accaatccgg tcgggactac ctggcgctgg aaggctgatt cgcccagct catcttcaac 1080
 ggcgccaaag aaggctacta caaaaagatc aagatgatgc gcggcggtcc aggcgtcccc 1140
 gccgagcgtc tcgccgaagc gatgcgcac agacattgag cctcagttc tgcgggtgag 1200
 cctatcttct atccgcacat caaccgctt ctcgatctcc tcacaccga acacatctcc 1260
 agcttccttg tctgcaacgc ccaacacccc gaccaactac aagctctcaa ccgtgtaacc 1320
 cagttgtacg tctccattga cgctagcaac cgcgacagcc tgcgcaaaat cgaccgcct 1380
 ctccaccgag acttctggga acgcttccaa cgctgcctcg atatcctgag agaaaagcgc 1440
 cacgttcaac gcactgtctt ccgtctcact ctgtcaagg gattcaacat cgatgacgag 1500
 gtcacgggtc acgtaacct cgtcgaaaag cctgccttg ctttattgag gtcaaggggtg 1560
 tcacatactg cggcacaagc accagtgcag gcgctgggtt gacgatgaag aacgtccctt 1620
 tctacgagga aatcgccgaa ttcgtggtgc agctcaacgc cgaactcgag cgccgcggtc 1680
 ttgactatgg tatcgccgct gaacacgcgc acagctgctg tgtgcttata gttcatccc 1740
 gcttccgagt taatggcaag tggcactcgc gtatcgatta cccgcggttc tttgaactgc 1800
 tggagaagga gaaggctgat ggtacttcgt ttcgtcctga agattacatg aaggagacgg 1860
 aggaatgggc gctctggggg aatggcggat ttgatccgaa tgatgagcga gtctttaaga 1920
 agggaaaggc tgcaagaag gcaactgaagg agaaagaaga gaaggaagct gcagaaaggg 1980
 cagcagcagc a 1991

<210> 20194
 <211> 1996
 <212> DNA
 <213> Aspergillus nidulans

<400> 20194

```

gatggttgca cgcaagcctg agtaaggcac taatgtacaa tgaccagcat ttctttcgtg   60
caggcgggtct atcatattta ataatcgtct cagtatcttc ttgttgcttt cctttgtttc  120
attgtaccgc ccgatgattt gtcctacgaa ccggagcatg cgctatgggt atgatgtata  180
tctagattaa tagatcaaaa cttctttttc ccttcagggt cgcttgtcta atccgtacgg  240
ggcgtactga ggacccgaca ggaccgcgac tcgtcggtt tcctgttttag ttaggaagcc  300
cacagtctaa ccaagtatac agcggagact aaccagccta gggccttgga ctcttggttc  360
agcggggagc tgagagactt gccatttgg gcaaaatggc caactggaaa tcagatctcc  420
aagctataaa gtcgggctct gtttctgctt cttcaacgtt agattatctt ggtctacagc  480
ctagttgaaa tggcagcaag cgcagagata cagccccaac cacaaccaca accactgtca  540
caattacacc cacctcacga tgccagagac gccgagaagg ccgtgccctc gcagcccgat  600
ttgcggggaa gtgatagcaa tatatttga catgaccgcc aagtagaacg ttggaactat  660
cctcgttcga acgttgtcaa gacggtcgca accttctggg cgtttctggt aatgggcgcg  720
aatgatgcag catatggcgt gagatcttct ttttctattc tcgatgaact atactaacia  780
cctcagcctc ttctcccata tgtgagtgt cgggtgttga ctcaccgcat tcgtcgattt  840
ctaacaatgt ccagctcgaa gaatactaca acctctccta cagcaggtta tctctcgat  900
ttctctcccc aataggcggg tacacactag cggccgtcac aaacaacaca ctccaccggc  960
atcttggcca gcgcggcatc gcatggctct caccaggctg ccacctgctc gcttacattg 1020
tcaactgcgt gcatcctcca taccctgctc tcgtggtctc attcatattc gctggactgg 1080
ggaatggact ggcagattcg gcctggaacg cctggctagg gaacatggcg gactcgaacc 1140
aaatattagg gtcctgcat ggactctatg gactcggcgc ggtgatggcg ccgcttggtg 1200
cgacgagtct gattaccgag gccggtgtgg gctggtttta tttttattat atcatggtga 1260
gcaatgctat cagaatgtct atcgacgagc gactgatgg atactgccag gttgcatgcg 1320
ccgctatcga gttagcctcc tgctctggg cttcttggga ttccggacgcc gccgccttta 1380
gagcagaaac cgaacgttcc caatcggtcg aaacatcaga cgaacaaggc ggcggtgcggc 1440

```

ggcgactctt tgtcccaaaa tacgcaaggg taacctggct cctttcattc ttcctttctcg 1500
 ggtacgtcgg cgccgaagtc gcgattggcg gatgggtggc cactttttctc atgcgcgtgc 1560
 gagacggcgc agagttcgcg agcgggatgg gctcaacggg gtactggctc gggatcacag 1620
 tcggccgctg cgtcctgggg ttcgtaacgc ccaggattgg cgagaaattc ggcatcgcca 1680
 tatacttagt catctctatc gccttcgcgc tgggtcttcta cctcgtagcg aactttttacg 1740
 cctcgattat cgccgtctcc ttccaagggg tctggctggg cccgatgttt cctgggtgcgg 1800
 tcgtggtggc tacgcgtctc ctgcctcgtg cgctgcacgt tagtgcaatt ggctttgctg 1860
 cggcggtttg ggccagcggg gctgccgttc tgcccttcgc tggtagcgcc gtcgcgcaag 1920
 cgaaaggggt cgaggtgctt ccgccatttg caattgcctt gtctgggggc attctgctgc 1980
 tctggtgtgc gctgcc 1996

<210> 20195
 <211> 1999
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20195
 cagctccggc ggtaggcata gcagagaatg ttagccagaa catctgagaa ttcccctaatt 60
 tgtaattgat atgggtcaccg gactgtgtcg aggaggcct cgaagaatcc aggagcgttt 120
 ccggattccc ttggaaatcg taacttgcca tagcgaatcg atggacatgt acgaatacgc 180
 cggaaatctg cgattcaaaa caagctgagc tgcaaggacg ccacgctcgg catcgctggt 240
 agttgtcaaa atgtcctcat cgagtttact gatattgata tttgggttgt cagaatgggc 300
 cagccctttt ccaaagtgtc atggacgaga gacgcacctg ctaagttatc atcactgagc 360
 tgtctcccaa aagacctttc cagatgccct ctagtaaaac aagagaagta gatattcaaa 420
 tattaacggt ctaggcgccc caatatttct ttagaccatt gattgtctaa gctgggtcatg 480
 gactgacttc aattcattgt ttgccccacg cccttatcga taagaactgc cccgcttctg 540
 agaaagttag ctgaagtatt ttctccaac tcacttgaac tctgtctctg ctgctctgac 600
 ggtcaaatca ctataaataa cctgaaaaac ctgagtatga agacagaact ggacgaagta 660
 tggatatctc ttgcataagc ttatccctaa ctaacttggt cctgcgtttc cagttggttg 720
 aatttctcca tcatggaaac actcagatca gacagattgg taaatgcagc ttagaaacac 780

agtctgaatt gatgataaca ctatccagcc tgcgcaacat tagttggata ttcggtgtcg 840
 aggccggaaa tcttcaaacy tcaccagctt ttgcctatcc aagacttaaa acttcttggt 900
 cgagactata cagtcagtga gcatgccctt tttgaattga acatatggga tttcattctg 960
 ccccttcttc atggaactga cctgctggat agcctattgc gagcgatgcg ttaacaattc 1020
 tcgtcaacct ttctggtgat aaggagatcc tagataaact tgctactgat gatgctttta 1080
 tggaaacact cctcaacaaa gtgactgtag gtttctgcaa catttggttc gaccaaggct 1140
 atcccattca ctctctctgt tacctcggtt attttgatct ttactcactg catcggtcca 1200
 ctaacaagcc agttggcaga ataacaaaga gggaaatgcc gatgggatct gtatgctgtt 1260
 tgccaatctt ggaaaatccg agaataaaa agagctattg acgcttaaac gtcgaacggc 1320
 caatcctgtc tcaaactccg agtatgcaat tgaccagttg atggattggt tcgtgaaagg 1380
 cgccgacggc gcaactcaacc aacacgcgaa ctacgactat ctatcttacc tatttgccga 1440
 cttgtcgaag ctagaggagg gccgcaaata tttcacaacg agacaggatt atgatggagt 1500
 cgtgcctgtg aaaaaactca ccgttttcac ggagcatgag agcacgggtcc ggaggagggg 1560
 tgttgcatcg accataaaga atgttgcat tgaataacca tttcatccga cctcttctc 1620
 tgaagacgag gcgaatcttc tgccttacat acttctgcca attatggggc cggaagagta 1680
 tagtgaagag gatactgcaa atatgctccc agacctccag ttgctgcccc ccgacaagaa 1740
 gagagaaagc gataatggaa ttatcgttac tcatcttgag acgcttttat tgttgacaac 1800
 taccgggaa ggacgcgata aactaagggc agtgaacgct tatcccgta tccgagaatg 1860
 tcacctccgt gttgacgacg acggcgttcg tgaggcctgt gatagatggg tccaggtcat 1920
 tatgcgagac gaagaggatg aaggaaactc atcggcaggg cagaatcagg atgatgatag 1980
 aaaggtcgtg gaattgttc 1999

<210> 20196
 <211> 2005
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20196

gtcgacgcgc tgaggaggct agacggaatc aagcaacgaa gccggttgag aaggaatacg 60
 caactccact ttggcaccag atcaagactg tttgtaagcg gacgaatacc gtcttctggc 120

gctctcaciaa gtatggcttc actoggetct tcacccactt caacatttct ctgatcaccg 180
gtcttgcggt cctgcaactc gacgactccc gagcttcgct gcagtaccgc atcttcgtcc 240
tggtcaacgt cacagttatc ccaattatca tcattcaaat ggtcgagcct cgatacgaga 300
tgtcgcggtt agtattttat cgagaagccg cgtcaaagac atacaaggac ttgcgctttg 360
ccgtgtctat ggtcgtcgcc gaaatcccat actgcatcat gtgcgggatt atcttcttcg 420
tcttctttta ctatatcccc gagttttcac tgcgctccg actcggggcg gcgtaccagt 480
tcttcatgat catgatcacg caattgttcg ccgtgacatt gggtaaagt attcaagccc 540
ttactcccaa cagcatgatc gcatcccagt gcaacccgcc actcatgatc ttgttcagtt 600
tattctgagg cgtcatgatc ccgaaacctc agatgccgaa gttctggcga gtctggttct 660
acgaactcga cccgttcacg cgcacatca gcgggatggt cagcagcga ctgcacgaac 720
gccctgttgt ctgtactcca ggcgagtaca accggttcca ggctcccgcc ggccagactt 780
gcggcgagta catgcagtca ttcttcgacc gaggtgggat tggatacctg gccacaagt 840
cgactcagaa ttgcgagtac tgtgcttacc gagttggaga cgagtattac caggccttcg 900
agatgagctt tgaccaccg tggagggtt tgggcattta tgcggctttt gtcgggtcta 960
acctgataat ttgtttcatg gctgtaagac tttctgattt gcaggctctc ccttctggtg 1020
attggcttac ttactaacgc tggcaggctc gttatttgaa ctttaaccgg cggttaagaca 1080
gaatgaaaat gtgagggtgc tggaaacctg cgtgtggag gtgtaatcgc aaaagccgtt 1140
tagcagaagt ggatagaata aaagtctgtc aacatatacc tacctaacc atagtacgca 1200
tcctactttt catgtaaccc cagattatcc ccgcaaatga gagtggagggt ttggaacccc 1260
acgtctacc cccacacccat tatcgcccat tgcagctctt tgcggtttcc tcaccccttg 1320
ttcatcctca cctccttatt ctgctgctct tctgttttc ccacctatca ttccttttat 1380
cttcccaatg tgctcggcgt acgtccgaca tcgctgatc ctccgtacgg gttttgactc 1440
ggctctctgt ctcagactac cgtcagagct gcagaaactg gttggcaact aatgatatac 1500
ccgcgcagat atgccgagcc caagcttcga gcaccgtcac gccgtcaaag cgggggtgat 1560
ggggtatagc tgggtggtct cgcaatccgt cctattccgc tgcagatagc cagtggatct 1620
ctcactcagg gtttccctaa tcttgacgta tggcggaata accccgagta attcatcttt 1680
ctaccagctc acactctctg attacctgat caatctaagc ggggaagtct gttggagaag 1740

gagcagggtta atggactaat cgctgtgatg tccgaaatca tgctcgctc tattcccga 1800
 tccagcgaca gtatataaaa cgcgccgctc cacgctgctt cacgtctgcc tgccccgtct 1860
 tcgtctctgg tactttggct tagatttaaa gaacgatatt aggagaaaaa gatggccata 1920
 acatctcggt tccagtcgca cgcgcgctcg gacattacga aggataacaa cgcagccacc 1980
 acaaatcacg ccgaagaagt cccga 2005

<210> 20197
 <211> 2009
 <212> DNA
 <213> Aspergillus nidulans

<400> 20197

tcggtcagga gcagccggta ttctacgcca caacttcctt tcaggacata gggatcatcg 60
 gcgtttcggg aaccttcgca cagcagctct gtagaaccaa gcttgaactc accggggagt 120
 gatgccgtgc aggtccactg gacgtcctcc tcgtcgtaac cgtagccgctc gttgatgcat 180
 ctcatgaat ctatctcgta catattgcat atgcgcttgg acggaccgac gcatttcagt 240
 tgggggatgg gcgacacgcg ccgagctcta gtgagtctgc cgccaccacg cagcgtgagg 300
 gagtggactc gggagaggag gatggcatct ttgcctggag gttctttctt tgagtagctt 360
 gcggagagag atgaggaggg aaggctgata agaacagta agagctgcag aattgttgat 420
 cgcatactg cgatttatat agtgtgtgtt tggagggttag atggaaaggg tctaggagga 480
 ggtaagaata tagatcgtga gacgggtgaa tcaaagctgc agtctaggct tagactacaa 540
 tcagctgaag tggccatatg aaatagtgtt tggaaagatc cagatcgagc tttaagacac 600
 ttggaggctg ttctttggat cgctgtctag cttgccgca gaaccccgctc cgctccgacc 660
 ttggcgctcat tcattgttcg aactcggctg ctccacact cggaagtctt cacaccctct 720
 tcccttgtct gatctgttcg cctactgcgc acataagaga tatgggcaga cggtgacttc 780
 atacagcggc tgacaatggc ttttcagcaa ggtacccccg gtcctcccggt cgaactctgc 840
 tctacattca ctgaccatga cgaaaccgctc tctagggtgaa gccgcgcctg tatcgaccca 900
 gtcctcgctc gtgcacctct tctcgacgctc tcaatagtct gctaattgtg tatcgagctc 960
 tatcttttac gcaagggttc ctgctgggtc agctatcagt tgtgctgctg attgggtgct 1020
 tcatcaagtt ctttattttt ggcgaacacc accaccaccg tctcgcggtc ttcgagcttc 1080

cacgcatcga cgctccaatt cgatcttttc acaagatgcg cctcctccca gatcattgag 1140
 agaaaagccc tctacttcga atgtccttcg tcccgtcccg tcgtccgcga ctaacacaag 1200
 gtgcattttg cggaaaacct actatagcgc aatccctccg aaccgctcgt cgaaacaccg 1260
 aattcatcac tcttcacatc aaccagagtc gttggattgg ttcaatgtcc tgatcgcaca 1320
 gacaatagca cagtataggc agacagccta tcttttgaaa gactcccca catcgtcgat 1380
 cctccattcg ttgacggcag ctttgaataa tcccgagaag aaaccgtcct tcatcgataa 1440
 aatcacggtc acagacatat cgctcgggta agagtcttcg attttttagca attgccgtat 1500
 cattgccgtt gatgacccta tgtccgacgg tggcaggctt caagccttgc tggacgttga 1560
 catgagcgac gacaacctct ccatcgctgt cgaaacctca ctagtctca actaccctaa 1620
 gccatgctcc gcgattctac ctggtgcgtt gtcaatatcc gtcgtaagat tttcggggac 1680
 actctgcac tcgcttgtcc ccgcatccac cccgcctctt catactccgt cacctatgcc 1740
 gtcgccaccg acagcaggag cgagccagc cgccggggca caaccactg acggcgggtga 1800
 tatcccaccg aaatcttcat cgaaaagcaa catcgcgttt tcattcttac cagactaccg 1860
 actcgacctg tcagtgcgat cgctgattgg ctcccgaagt agactccaag atgtgccccaa 1920
 gggttgcgcag ctggtagaag cacgggttca tgcgtggttt gaagagaggg ttgtcgagcc 1980
 ccgagtacaa gtcgtggggc taccggacc 2009

<210> 20198
 <211> 2024
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20198
 cgaccccgat cctatgcaat tcaagacgat tgtactaaac ccgcatgat ttcagttcct 60
 ggattgccct gagttcaagt gttatcctgt tcaacaagca catccttgac tatgctcagt 120
 tccgtgagtc cactttgctc cgcaagctgc aggctgtcaa ttgaagcgaa cgaggctgac 180
 ttcgattcgg ttcaggattc cctatcatcc ttacaacatg gcatctggcg ttcgcgactt 240
 tcatgacgca ggttctcgt cgactacaa cctccttga cgcccgcaag accgtcaaga 300
 tgactggctg tgtctacctc cgcgccattg tccctatcgg tctcttcttc agtctgagtt 360
 tgatctgagg taacgttaca tacttgtagc taagtgttgc atttatccaa atgctcaagg 420

tacggacgga cctctgtttg ggattcgatg tggcataaac taataaccgc tatttaggcc 480
 accactcctg ttgctgttct gcttgccact tgggggatgg gcatggcacc cgtcaacctc 540
 aaggttctta caaacgtcag cgtcattgtc ttcgggtgtca tcatcggctc tttcggtgag 600
 atcaagtttg tcttcacggg tttcctcttc cagattgccg gtatcatctt cgaggccacc 660
 cgattgggtca tgggtgcagcg cctgctcagc tccgcggagt acaagatgga ccctcttgtc 720
 tccctttact atttcgctcc ggtctgcgct gtcataaacg gtgtcactgc tctgttcctt 780
 gaggttctta ccctgactat ggaccacatc tacaacgtcg gcgtctggac tctcctggcc 840
 aacgccatgg tgccttcat gctgaacgtc tctgttgtct tccctggtagg taatctccat 900
 tttgagtact ctactgttgc ctaacagtca attatagatc ggaaagactt cttcttttgg 960
 catgaccctt tgcgggtgtcc ttaaggatat ccttcttgtt gtcgcctcca tgggtcatctg 1020
 gaacactcct gtcacgccc tccagttctt cggttactcg attgcctca ttgggtctcgt 1080
 ctactacaag ctcggtggcg acaagatcaa ggaatacacc agccaggcta accgtgcctg 1140
 ggctgaatac ggtgccactc acccgcctca gcgcgcttt gtgatcattg gtgctgctct 1200
 ccttagcttc ttcttgctcg ttggctccat ggcaccagc tacgtcccg attccgttgc 1260
 caacgtcaag ggcattgtg acggtgccag tactggcaat gcttaaatac accttcgtga 1320
 gcagttttgg tgttttccac ttctccaagt tatgacctgg gattgactgg gaacatcaag 1380
 gcaacgtgtg cgggtgatgc gttggcgaag ttgagatgtt gaacgacaaa atttcctttc 1440
 ttattctcga actttcactt ctgcggcctt catagaatat caggtcacga ttttacctat 1500
 ttcaaaaata atgctgctcg gccgagacgg tctctaggag gaacaaacga agcgcgccta 1560
 gatacggcct catgcaggaa atgcagcctg gatctagtca acgcacgttg ctcaccttct 1620
 gccagtggtt aactgggcac gaggtccag acgggacttc tttttcccta aatttttttt 1680
 ttcttttttt cccatttgtc tactttgtac tacctttcac tcaccttggg tatgcgggtg 1740
 aattgaaggg tgtattgtgt tgtctgattt gggtcgatga acatttgtca tgttaactag 1800
 cagcggggtc cggagtcggc ttttgcttgt atcgtctggc ggtcctccat actacatttc 1860
 tttctttgtt aggtagtcta tgtaccagca aaatagagtc tttgatgttc aatctctgag 1920
 cttccacaat tccatgggta cgtaaggacc tcaggcacc tttttacagc gcagccactc 1980
 aagcctccag caatcctgag ttgttgctcg gacagccagt gaga 2024

<210> 20199
 <211> 2025
 <212> DNA
 <213> Aspergillus nidulans

<400> 20199

gtcttgacagg tatttttcgcc ttcacaatct gttatttgct gtagctgac tgggttgaag 60
 gcgttgagat catttcgaac tcatccggca gtcaccatga gctgaagaag cttgatacgc 120
 gcgtcaacct catcacacaa gccacaaaac tggtaagcag ctcaagtcaac acacatgagc 180
 agtacttact gttgccagag cgggtggtatc tacctgtatg caaaccagca aggttgtgat 240
 ggtgacaggc tctactacga tggatgtgct atgattgtca taaatgggaa tatcgtagct 300
 caaggatcgc agttctcact aaacgatgtg gaggttgtca ctgcaaccgt ggacattgaa 360
 gaagtacgtc tattagttca acttcgattg gccatgtact aagagagaca ggtgcgcaca 420
 taccgtgcct caacaagcag aaatatgcaa gccagcagac agcccccttt tgtccgtctt 480
 gaccttgaca cgcgattgtc tcgttcggac gaagacgctg accctggcat tgcgccgtct 540
 gagacgctca taccctcgta ccacgcgcca gaagaggaga ttgcccttgg acctgcttgc 600
 tggctgtggg attaccttcg gagaagtggg gccgctggat ttttccttcc tctgagtggg 660
 gggattgaca gttgcgctac tgcagtaatt gtccactcta tgtgcaggga gggtatcaaa 720
 gcagtacaac aaggaaatga gcaagtgatc aaagatgtcc gcaggctctg cgcagagcct 780
 gctggctcaa cctggctccc cacaacaagc caagaagtct gcaagtatgt ctgcaacata 840
 ctgcaaacac tcacgttcag ggatagctga cttctgtagc cgtattttcc acaccagctt 900
 catgggcacg cagaactcta gtaaagagac aagagaccga gcaaaggagc tggctgcgga 960
 gatagggtcg taccatatcg acttcaactt cgacaccgtt gtgaccgctt tgatgaatct 1020
 atttaccgtc gtcacaaact ttcagccaag atttaaggct cacggtggta gccgcgcgga 1080
 aaaccaggcg ctgcagaaca ttcaagctcg tctgagaatg gtctctctctt acttattcgc 1140
 gtcgttactg cccacagttc gccagcgccc aggcggcggg ggccttctcg ttctggcgtc 1200
 gtccaatgta gatggtttgt gccctttttt cctgaagtaa aacgtcatgc tgacattgac 1260
 tagaatggta tatctgcccc tcctaataca actacaacat aatcaagata cttacatttc 1320
 atctagttta cgaggctacc tgactaaata cgacgcgagc agcgccgatg tatgtcatac 1380

ctcgtctacct catatgtctt tccccggcca ggcaagcaaa actaactttg tctccagcta 1440
 aaccccatcg gttccatttc taaagtcgac ctcaagaaat tcattggcca ttgcgcaacc 1500
 tccttcgaca tgcctatcct aacctcattc ctcaatgcca cgcccacagc cgagctcgag 1560
 cccatcacag caacgtacgt gcagtccgac gaagcagaca tgggctgtgac ctacgccgaa 1620
 cttggcacgt tcggttacct gcgcaaagtg tccaagttgg gcccttggag catgtacgag 1680
 cgctgtctgc acatgtgggg taatgagtat tctccccgag agatctatga gaaaacacga 1740
 cactttcttct ataattatgc gattaaccgt cataagatga ctgttatcac gccaaagttat 1800
 catgctgagc agtatagccc tgatgacaat aggcacgatt taaggcagtt cctttgtgag 1860
 tcttcctcat ccttcacact gcgtttggtg cttggtatag tcttctgggg ccgtaaaact 1920
 aacgtatacg gtgcttagat cctcctttca cttgggcata caagaaaatg gaagaaagcg 1980
 tcaagtactg ggaagaaagg ggctggacga caggaaaagc gcaga 2025

<210> 20200
 <211> 2026
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20200

cggtgccatc tgggtctgaa tcgagagaac aattggaaga cgaaatcagc gcggtcgagg 60
 agaagattgg gctgatgacc gatctcctgc gctcggtgcg tcacggagcg gcatccaaga 120
 tcgaggggct gactgatggc gatactggtt tctggattcc tagagcctac ggtatcctgg 180
 gacgggagga gaacatgacc agcttttggga aggagtggct gaaggcggtta gttgttccca 240
 tgaccgacaa tagtgtccaa cgcgttcccc cagcatcgcc ccgcatgggt tcttggcagc 300
 ctctggaacg atatgtgatg aacttgtgca cggaggcggt cgcacccaac acctccaaaa 360
 cccaagtgga gctggctgtg cgcaattac gcttgttcgc ccgcaaggaa gctaccaatg 420
 agctgcccgg atcgcgaaac actgatttat acgcctgtt ccggacactg tcaactggcta 480
 acatcataat actctttgag tatgctttga ccgaatcccg aatcatcttt ttgtcctcgc 540
 acacgtccat gttgtacctt gctactcggg ctttggtaga ccttttattc cccattcctt 600
 ggtcgggtgt gctaattcct atcctccctg cagcactcat ccaagcactg gaagcgctt 660
 gcccgtagat tgtcgggtatt gagcggcggt acgagaaggt tgaacttcca tctgatgatt 720

ttgttctggt cgaccttgac caagatatca tcgagagcac ggtaaagcca accccactcc 780
 cccgccacca gcgaaggaaa ctccattcgc tgcttcagct cgccgctcct catcacagcc 840
 ggtacgggggt gcccgtcggc cctcctgcct acgccatcga gactttcccg tttgatgctt 900
 tcatgtctga aaactcctcc atatacacat ccaaggcgca gtccacgcaa ctgtccaagt 960
 acgtcagtct caactcgaat gcttttggtc agggttctgt ttccctcacc tcacatccgc 1020
 cacttatatt caatgctttc ctgcacgcgc gcaatgaaca aacagcgctc cgtgggtatt 1080
 cttctaagag ctcgatcga ccgggcactg ggtcaacttt caaacctgga tcagccgcca 1140
 tccccgagag atagtctcc catctctggc catttccgc cgccgccggc gacccgcgc 1200
 aacgactcgg ggatggcgct tcaagcatcc cttecgaga agcgatccgg tcactttgac 1260
 gctgcctctc gtgaagctc gtccttcggg atggacatgc gccaggttcc caggcggccc 1320
 agtgcacctt tccttgcca cgctccaaac ctatctgtca gcacgttgaa cactgatttc 1380
 cagtccacat atgccccctt ggtctatgcg cagtctactg tggctgcctc caccatcgtt 1440
 ccccgactg ctatccagcc aattcacaac aatgacggca cgtcctgggt ggagggtcat 1500
 tgctgcagc tccaaccatg ggacgacaag gctgtatgca cagtctgca cgaacgcgcg 1560
 gacgagaata tgtataaatg tgtatcgtgt aagacgcaag tccacaaccg atgcgccac 1620
 cagatctgca tcgtttgcc agcggcattt taccgcgagc aggttcgggc tgcgttcgtc 1680
 cgatgctttg ccagcctgtt ctatacatc aaaaaatc ttaaaccagc tagtggcgac 1740
 aagaagaagg caggccttac atacagcttt gacatggatg ctttctgcaa aagcttgctt 1800
 agtgaacatg ctgaatatat cgggtgttcta tcacagactc agggtaagtc gctctaagct 1860
 gagttccgga gaccgtgcta accaaaccag gtttcaacga gtttatcagt gatagggaac 1920
 gggatgaatc caaggcgagg gacccaagga ttactctgtt cgacgagatt gtgctgtcga 1980
 aacggaaccg aggcggctc tccatattct ccggccgatc gacgac 2026

<210> 20201
 <211> 2028
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20201

cgggccccct aggttcaaaa ataaggctcc tgcacctgtc cagatctcag cggagcagct 60

gctccgtgag gctgttgacc ggcaggagcc ctactacag ggcctacgc aacggttcgc 120
ggatctagag gaattacacg aataccaggg tcgcaagagg aaggaatttg aagactatgt 180
acgacggaac aggattaaca tgaacaattg gatgcgttat gccgcatggg agttggaaca 240
aaaagaattc cgccgggcac gatcgatctt cgaacgagcg ctggacgtcg actcgacctc 300
tgtgccacta tggatccgat atatcgaatc cgaaatgcga aatcgaaata ttaatcatgc 360
gaggaacttg cttgaccgcg cggtcacgat tctgccgctg gtggataagc tctggtacaa 420
gtatgtctat atggaagaga ctctggggaa cattcctggg acacggcagg tcttcgagcg 480
ctggatgtcg tgggaaccgg atgagggtgc atggagtgcg tatatcaagt tggagaagag 540
gtacaatgag tttgagcggg caagggcgat cttccagcgg ttcacgattg tgcaccaga 600
accgagaaac tggattaaat gggctcgctt tgaggaggag tatggtacta gcgacttggg 660
aagagaggta tatgggttag ctgtggagac gctgggtgag gacttcatgg acgagaaact 720
gttcatcgcc tacgccaggt tcgaaacgaa gctaaaggag tatgagcgcg cgagagctat 780
ttacaagtac gctcttgacc gggtacctcg ctcgaaatcg attactctcc acaaggcgta 840
caccacgttt gagaacaat tcggtgatcg cgagggtgtg gagaatgtca ttctcgcgaa 900
gcgtagggtc cagtacgagg agcagctcaa ggaaaacctg cgcaattatg atgtctgggt 960
cgactttgcg cgcttggaag aacaatcagg ggaccagaa cgagtgcgcg acgtgtacga 1020
gcgggcaata gcgcaaattc ctcttccca ggagaaacga cactggcgac gatatatcta 1080
tctatggatc ttctatgccc tgtgggagga aatggaggcc aaagacatcg accgcgctcg 1140
tcaagtctat acagaatgcc tgaaactgat tccccacaag aagttcacat ttgccaaagt 1200
gtggcttatg aaagcgcagt ttgaagtgcg gcagctgaac ctccaagctg cgcgtaagac 1260
tctgggcaa gcaattggta tgtgccc aaaagaaactg ttccgtgggt acatcgacct 1320
ggaacggcaa ctattcgaat ttgtacggtg ccggacgctg tacgaaaagc aaatcgagtg 1380
gaatccgtcc aacagtcaat cttggataca gtacgcggaa ttggaacgcg gcctagatga 1440
taccgagcgt gcgcgagcca tctacgagct tggcatcgac cagccaaccc tcgacatgcc 1500
ggagcttgct tggaaagcct acatcgactt cgaagacgat gaaggtgaat acgagcgcga 1560
gcggcaactc tacgagcgcc ttctgcagaa aacagatcac gtcaaggtct ggatcaacta 1620
cgcacgcttt gagatcaacg ttccagacga agaggaagaa gaggaagagg aagagcgccc 1680

aatcagtgcac gaggccaagc ggcgtgcccc agctgtcttt gagcgtgcac acaggggtctt 1740
 caaggagaag gagctcaagg aagaagtaag tcctcctcat ctgctgtac atgagaatag 1800
 gagcetaata tgtattcagc gagtggaact gctcaacgcg tggcggggcgt ttgaacatac 1860
 acacgggtca ccagaagata tcgacaagat cgagaaacag atgccccggc ggggtcaagaa 1920
 gcggcgcaag ctggatgacg accggtacga agagtacatg gattatgtgt tcccagcgga 1980
 cgaccagtgc gcagcaaacc tctcaaagct gttgcggatg gcgcatca 2028

<210> 20202
 <211> 2042
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20202

acattacctg aagcgcgaat tctactttga tgttcaccct ccgttgggga aaatgcttgt 60
 cggcttgtcg ggccttcttg ccggttataa cggtatcttc gagttcaaata ctggcgaaac 120
 ataccgggaa gaccttaact acacatttat gcgcctattc aacgctgcct ttggcgtggg 180
 gtgcgttccg cttgcctacc taacggcacg cgagcttggg tttcgtagag gtactgtttg 240
 gcttgtgagc ctcatggtgc ttttcgagaa ttcatatgcc actatttcaa gattcatatt 300
 gcttgactct atgtctcttt gcttcacatt cacgaccaca ttttggtggg caaaatttca 360
 tcgtctccag catgcgagtt tctctattga gtggttcacc tggctatttc tgaccggcgt 420
 gagtattggc tgcgtttgta gtgtcaaata ggttggcctt ttctgcactg cacttggttg 480
 cctctacacc attgaagacc tgtggaataa atttggatgt ttgaagatgt ctgggggttct 540
 cactcttttc gaaaagtcct tgactctgcc tgatgctaata atgattaca ggcaacgtta 600
 gctaaacatt ttgcggtacg cgtggtgggc ttgattctaa taccagctct ggtatatatc 660
 ttttcgttct acatccactt cctgatttta gagaacagtg gcccaggcga tgcgcagatg 720
 agctcgttgt ttcaagcgaa tctcaaaggt acccaggtgg gcaaagacag cccgctggaa 780
 attgcattcg gctcaagggt cactttgaag aatatgggtt acggcggcgg gctacttcat 840
 tctcatgtcc agacgtatcc tgaagggtcg tcccagcaac aggttacttg ctatcaccac 900
 aaggacgcga acaacgactg gtttatctat cctaatacga aggagcccca gtacgatgca 960
 gaggcacctc ttaggtttgt cggtgacggt gatgtcattc gtctgatcca cggccagaca 1020

ggccgtaacc ttcattccca caacatcccc gcaccaataa ccaagaacca ccatgaagtt 1080
 tectgtatg gcaatttgac tattggagat gataaggacc attggaaggt tgaggttgtc 1140
 gatgatgttg cttcaagaga caggagtagg atcagaactc tgacaactgc gttccgtttg 1200
 cgacatgagg ttttgggttg ttatctacgc gccgggaaca ctaatcttcc tcagtggggt 1260
 ttcaagcaaa ttgaaacaac ttgtgtgaag gaaaacaaac cccgtgacgt ttatacgcac 1320
 tggaatattg aaaccatac caacgaccga cgtatgacac cgcgagctct gttataattt 1380
 gagctatact gacataattt gcagttcccc ccggtgatcc tggatcgtag aagtctcctt 1440
 tcttcaaaga ctttgtacat ttgaacgttg cgatgatgac gtcgaacaat gctttgggtg 1500
 ctgacctga caagcaggac gatcttgctg cgaaaccttg gcaatggccc attcttaatg 1560
 tcggtctacg catgtgctct tgggacgaaa aagtcgtcaa atactatcta cttggaaacc 1620
 ctgttgctta ctggggtagt accttgagtt tggctgtctt tggactgctg accttggtgt 1680
 accttggtcg atggcagcgc ggctacaacg agcttagcca ggcagatatt gaccacattc 1740
 actatgccgg cttgtacccc gttctcggtt ggtttctgca ttatgtgctt ttcacgcta 1800
 tggcgcgagt tacctatgtc caccactatt acccgcgct atactacgct atcctgacat 1860
 tcgggttctg tgttgattgg cttacaaaaa ctttgaacac caaggttcga ttcttgggtg 1920
 atgggctact ctatgctttg gtcgctgggg ttttcgtcta cttcagggtg attgtgttcg 1980
 gcattgaagg tccaagccaa cagtggcgtc acttgaactg gttgagcggg tggcgaatcg 2040
 ct 2042

<210> 20203
 <211> 2042
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20203

gccgccggtc aaagcagagt tgcaacagca gttgcagaat gccgggcaat ctgggctttc 60
 cgctagttgg ttggcagaaa tgctgaagtt ggctagctct tattctcaaa ttacatccga 120
 agaagagggg ctctgggata ttgatgtcaa tcttttctt tcagaggaaa cctccgtcac 180
 agcaaactac acccctcgca cctgcagcgg ggatctgggc attaagctag gagagtggct 240
 caaagatgct accactcaaa gtctcctcgc ttgtctgaac gatgtcttct ccgatgcttc 300

gtctacatgg aagagccgtg aatcgctccct gttcatcctt aatgcgctcc ttagagattt 360
 ccacgaggtc tcacgcgata ttgcgccgga gttagccagc ggttttggca actttatcca 420
 attcgcgata cagcaggaac aggaacttct acgagcccga ggctaccttg tggcggaag 480
 cttggccaag gtgtccaatg ttggcgaagc ttaccttgag ccaactctaa aagcagtctc 540
 cgaggaccgg tcagaagttg tgaaggtggc ttgcatccgc gactgcagg acctgctgcc 600
 ttcgctttct accaacacaa ctatcccgtc tcagcagact gtaatttccg ctgtgtccga 660
 tttcgtttcc gctcacgata ttcgcgattc ttccgacact gatgacctca aagtactct 720
 ggccgaaaact ctccgtgata cggtcattgt cgaccaagc gtcgtgctta catccactgc 780
 acttgacgta ctgttcaata ttgccagcaa cggtgctaca aacttccagt tgaccatgac 840
 tgtgacggag gcctttgagg atatagtcga acatatttca gagcaagggg ctgatgcctt 900
 tgtccgcctc tgcgaaaagg tgcttccttc aataatgggt gcggtcgacg tcggcaactt 960
 gactcaggat atctcgctaa ccatttttgc cgcgatcta ctgctgctc tgacggagcg 1020
 agcccttgag ccaactgctg caggctttgt cgagactgct atgccgaaag tgaaccggct 1080
 ccttctcgat tcgcaagacg cagagctcat tcgacctgcc acggaggcag tgagacatat 1140
 ccttctcac gattttaatc agttcgctgc ctggcgtgac cccgaaagcg gcaaagaagc 1200
 aactgaagtt gtcctggtga ttatcgaccg tcttctgggt cccacagttg atgaccatgc 1260
 tgcaaccgaa gtcggccaac ttgctgccga gctggttgag agagcgggat cggaacggct 1320
 tggcccgat ctaccgcagc ttctgcaggc tgtagcccg cgcttgcca ctgccgaaaa 1380
 ggctcaattt atccagagtc tgattctcgt gttcgctcgg ctgacgctaa ttagtgcgcg 1440
 ggaggtcgtt gacttcctcg cgcaggtcga catcggcgga cagagcggct taccatcgt 1500
 gatgagcaag tggctggaaa actcgggtcaa ctttgccgga tacgatgaga tcaagcaaaa 1560
 tatcatcgcg ctggcgacgc tgtacaacct tgaagacct cgactggcgc aggtgcaggt 1620
 caaggagac cttattgtgc aggacaccgg acgaattaag acgcgatctc aggtcgttaa 1680
 taatcctgac cgctacacga ccgtgacagc gcctttgaag attatcaagg ttcttgtaga 1740
 ggagttggcg gcggcgtctg gcaacaaaga gatcgacgca gccacggcag ccgcgctgga 1800
 ggaagaaggc agcgatgatg acgacgaatg ggaggacgtg cccgacaaca ccctcgatct 1860
 cagcctcgga gtcaccaaac aagagctgat ggcgttcggc gagggcggca ccgaaggagt 1920

gtttggcgtg cgcaagcggg atgacgagac gcaggcattt ttgctggatt tcttccgcaa 1980
 cgcttctacg aaaggcgaat tccagcagct ctttgcagct ttaacgccgg acgagcagga 2040
 ga 2042

<210> 20204
 <211> 2044
 <212> DNA
 <213> Aspergillus nidulans

<400> 20204

cctgccaatc cattcgctat ttcggagttc atacatcgat acagctattt agccaacaaa 60
 gaattttag attttgatca agtcaccgta accggtatgt tctggcctgc gatggcttcg 120
 atatggaccc ttgtacttag atcaattagg tagggttcgt acgtatagat tagctgggag 180
 cggcttgata tttttcgaca tctatcaaga tggccataaa gttcagatcc tctgcaattt 240
 gagtcgcctg gaacgggtag ggggtctcaa gcagatattc aagagattct atcgatgat 300
 tcgccgcggc gatgcctttt gtatgttccc catcgcaact cttgaccgtc cacagactga 360
 accagaacgc aacagctata acgggtaaac cgcaccgtac agaacggggg gagctctcga 420
 ttgtggccac agacctgcct caactcctct ctccgtgtct gcatgatata ccgctcgatg 480
 cgcatggaca cgaaaactct ccatatccac gccatgttca gatgcttggg gacccgggta 540
 cggtgaaagt catcaagtcc agatctctca ttactcaaca tatccgccag ttctactgg 600
 ataatcatt tatggaagtc agcaactcaa tactgaacgg gattcctggc ggtgcaagcg 660
 ctcgctcctt ttatacgtct gccaccgaat tcccagatcg gcagcttgcc cttagaattg 720
 ctctgagct ctggctgaaa cgcttggtcg tgggcgggtt cgatcgggtc tttgagatcg 780
 gcccgtcggt ccggaatgaa ggtgagcggg ccctcatagg ttcattgagt tccagaattt 840
 aacctgactt atgatgacag gcctagacaa aaccacaaac ccggagttca caacctgcca 900
 gttctaccag gcatactcca acctggaaga gctgatgaac acaacagaag agctcctatg 960
 cgggctagcg caggcttcca tcgcagagtt caacaaacga aaggaaccgc ccccaacagc 1020
 catagatttc accattccat tccaccgtat cgattttata accggaattg aactaggcat 1080
 tgaccgtcag ttgcccgaac ttacagcacc tgactccttg gaacaggta cccaaatttt 1140
 tacggacctc aaactccaat taccgaaca ccctaccctc cctcgtctcc tggatgagct 1200

ctgcagcatc tacgtcgagc cacaatgcgt tcagcccaca tttatcatca acccgctga 1260
 gtgtctctct ccattatcga agagtttcgt tcacctgat aacaaccagc gcgttggtgcg 1320
 cgtgcagaac ttttcatcga aggcaaagaa attgcgaaca tgtatgaaga ggaaaactca 1380
 ccgtgggagc agcgctcgaa attcgaggat cagctgaagt acagcaagga tgctaataa 1440
 cccggagaaa ttgatgagga gtatctcagg gcgttggaat ggggtttgcc gcctacgggc 1500
 ggttgagggg gtggtatcga tcgtctggtc atgctgttta ctaagggtgaa gaagattgca 1560
 gaggttttgc cttttgggaa tttgagggcat gtgacgagac gttgaactta ttgtgcttta 1620
 tttgtctctg ttgtgacaaa tgggggtaag gcggatgatc gagcttgtac tatgaatctt 1680
 gtactatagt gggatatatt ctagtgatac catgtttcaa tctgcagagg gcgaacaaaa 1740
 ggacttcagt gtcattacca gggagtaaatt agggatataga gagcgatttg agtccgagat 1800
 gttggatatt caagtagcta aggagggcgt catgccatgg agtcgtgata ctacctgggc 1860
 ataaacctag ggtagcatca aacttggcgg gagtcggagc cggccgcgaa gcgggaaaag 1920
 aggggaattg gggaagacag tggtcagaa ttatatataa tctcttctct cgttatcaga 1980
 aatcttttaa ggtccattat cgacttcaaa aatggcgctc aaacctatca aacaggctca 2040
 ggcc 2044

<210> 20205
 <211> 2052
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20205

tcgcacaaca gcaggagct gtagggccga tatataagcc accgcgcaaa agaaaaccat 60
 ttcccagacc cattagaaaa tcaatcactt agacaatagc aagcttggtg gcagcaatgt 120
 cgagagcgct aacatcagg gtaagacgag caaaggcctt cttcagtcca tcgggcctgt 180
 attctagtta gatgctgctt tttctttcgt ataagatctt ccggagcgta cctaacgaga 240
 gtgttgacct tgacagtctc aacatcgat agcttcttga gggcggcctt aatctgtcgc 300
 ttgttgacct tgacgtccac gatgaacaca aggggtgtgt tctcctcaat cttcttcata 360
 gcactctcgg tgttcaagg gtagagaatg atcttggcgg catcgaggcg aggaagggtga 420
 gggacggaca cgcgcggtga cttgggagac cgggacagct ggagggtctt ggggcggtgg 480

aaggtggtgg aggtgcggat cttgcgagtc ttgtgcgcct gaatatgtcg agtaacattt 540
tagccatagg gttctgtgat aattcataat tgaggacgtt ttagacgtac gcctgcaccc 600
ttcaagactg ccttggcggc agcaccagcc ttgtcgctgg gcttcgactt gcctgttcag 660
aaaaaggaat gtgagtgatt tattttagaa ttgaattttc gagtcggtat gcagtatagt 720
tgtcggaggg aatccttgaa tcaaacaaaa gcataaccga gtcgatacgt gggtctttca 780
gttccttcat cctggaatag attgcgcggg acgaatatga agaattcctg tataacacga 840
ctccatgctc tcgaacatat cccaaaatcg acaacagata tcgagaataa aaggtctgga 900
tcgctcaagc ttgcatacct gtcttcttct gaacgggggc catggctgtc gtttggcgct 960
gttgtcgtga ttgtcgcagt gtcgaaagtc gaattgttcg gaatgtcttc gcttagcaaa 1020
aaccctcgcg gcttcctctg tgggtcacct gaccagccct cctagaatct tggcgtgatt 1080
cgttttttac cgcctttcac cacaggcaga aaagagaaga aaaaaaagc ggtctgctat 1140
ccgaagccat acattacctt actatgacaa tgtacatctt gcaattgaaa catgcattat 1200
ggctacgaaa aaatcggaga acagacgtcc cgcgctactt tctcgactc gccaccaac 1260
agttcagaag aaaaatgcag ccttatcagc aaaggcaacg cgaactctca tacgctctca 1320
tcacacactt ttaaaacagc gagcgcaacg actaaaatca ggcgaccagg atttagtgcg 1380
caagctcgag gcggatatac gagcaaacgg tggactaaaa agttatcaga tagcaagcaa 1440
gcttgggtcaa tctctagacc gcggcggcga ctcaagcaga gtccttgta actggatcag 1500
ccctagtttg aacgtattga gaagcacgtc tctgaagctc cgggtcctcg agatcgggtc 1560
gctcagtacc aagaatgcat gctctcagca caaacacctc gatgtcacga gaattgattt 1620
agactctcag gaacccggga tcttgaagca ggatttcag gaacgaccgc tccccctaag 1680
taatgacgaa cggtttcaca tcatatcact ctccctagtg ctgaattacg tccctgatcc 1740
agtcgatcga ggagaaatgt tgaagcgttg tgttactttc ttgaccaagg aaccaccgca 1800
gggtcctctc ataactattg tgccaagggt gtctcttggt ctccctgctc cctgcgtcac 1860
aaactcgcga taccttactc agcagagact gcacgacatt ctgacaagta ttggtttttc 1920
tctggcagag gacaagcaaa cgacaaaatt aatataccag ctttgggagt acgacggaat 1980
atgccagccc aagcagttca agaaggagct tctaaatcca gggaaaacga ggaataattt 2040
tgctattggt at 2052

<210> 20206
 <211> 2057
 <212> DNA
 <213> Aspergillus nidulans

<400> 20206

```

ctgatattca tttctcattt ctcatttctc atctttcatt tctcattact catacttcat 60
acttcatttc tcttttctat tttctctctc ttctgtggtct cctaccgctg cttcttcccg 120
ccttgcttga ctattctggg gtctgatgtt cccatgtcgt atatgaaagg tatggttcat 180
ttgggtccag caggtttcct gtgctctgcc gctccagcgg tcgcaccggt cactttccac 240
cgtcctcgtt gagcttcaact ttctcctctt ttgtgctttg tctgggtgtga caggcgctgt 300
gtcgtggtac ctggtcttct cagctgcctg cctatcgtgg tctcccagaa tccctccact 360
gcgccttctt gtttctgtct gaccaccgga ccttgctgct ccattgaagc ttcaacgcaa 420
cgctcacctc cgtggatgag tacagtgtt tactgcttcg cttctgttgt ctgaacttgc 480
gtggacatct gtgagccttt gcaaccatcg ccactgtccg ttgtttcgtg caaccacgt 540
cctgctggat catcggttaa cctaagtacc agactttatt tacagacaca tcgcctggct 600
tcaattgacc tcttgattac ttcatctttc tccaacgaag caagcttctc atctcgtatc 660
cagacccttt tgtcgtcagc cgctgcttgt gttcctctgc acaagaccgg ccggatgcca 720
tacactgcgc cgttgaagac gtgccttctt acgtgcata ttgaacattc tgacctgagc 780
acccctccat ctccaagctc acccaacgtg gccgaccggg atgcagacaa cctaaacctc 840
ccccatctt actcttccgc ctctatgtc cgtcggcacc ggcggtctcc atctaacagc 900
aagtcatttg tttttccggc acctgacaac agcttcgaac aaagccggaa cacagatgtc 960
tttgctagcc ttaggcagtc gccttcgctt gtgaacgagg ggccaatccc ccctggagct 1020
ctctgtctgc ctccggagtc tggccagaac tctagtgtg aagagtcgag tagcccagcg 1080
agggatgtgt tgaagctgga ggagttggag gcggctgtgc ggtcaataga gcaaaggcga 1140
agtgtatctc ctgaaagaaa accttcagag gatatacttc cggcaagaag tgaggaacag 1200
gcgggaactt cccagcgag acctcgccgt ctttctctga cccacgataa ccgccttctc 1260
tctcgtcttc ggtcattcgt cgaaaagtca gccaccgga accagaaga ggcggtcacc 1320
agttctccag aggacagtga tcgtgatgtt gaccctgaac caagattacc aatgggtgcgc 1380

```

aagaaatctg gcgagcttgt taggcctgcg ttacgcccac catctcgtcg acggccgtct 1440
agcatgcccg ggactccac atattccaag gcggtccact ttgatgctca gttggagcat 1500
atccgccatt tcttgagct tgacaagccc caagccgtca gtgccggttc atcaccggtg 1560
gaggatttgg aagcagactc cgaataccct ttccattccg actcgtcgag ctatcctgct 1620
tttgaatggg gacttcggct atctaacttt ccccataaac caccatctca cccacacca 1680
cgtgttcgcc ttgagcgctt gtttctttcg acagacaagc actctctggt tggccaagtg 1740
gtggtcgcta acctcgctta tcagaaacat gttgcagccc gtttcacgtt tgataactgg 1800
agaaccactt cggaagtaac ggcggagtag agccatgatg ctcgacgaaa gcagctacac 1860
gatggttacg atcgattcat gtttcatatt aggcttgatg aacagacaaa cctggataag 1920
aaagacatgt ttgtctgtat ccggtataat gtaaattggc aggagttttg ggacaacaat 1980
gagacgagga actatcaggt caatttcacc aagatcccca agccgaaggc tcaaacccaa 2040
gatatgcctc gcgcacg 2057

<210> 20207
<211> 2060
<212> DNA
<213> *Aspergillus nidulans*

<400> 20207

gtccgctgcg cgggtttag ggaacatcac tcggatcgcg gcgtacccta tcattgcgaa 60
attgggagat gcaagtctgc gatccccact taggcgtacc ggagctgact cgttttgttt 120
ttttgtaaag gtgtttggtc gagcggagat gttcatcctc tcgattgtgt tccaggctgt 180
tggttatgcg atctatgcgg ggtgtaagaa cgtgggacag tatatcgtga gtcacagcgc 240
atatgtgaca tagattttcg ctgcgcatag cggttgacgt gctcatatca caggctggcg 300
gaatcttcga ggcaatcggg ttagtacact ctttttatac ctgatctcat caccctgacg 360
tgcatacgca gctcaactgg ctccggctta acccaacaag tcttcgtagc tgatgtcacg 420
aacctcatca accgcgccgt atggtctact ctccggact ctctaaccgt tattccagcc 480
ctgtacctcg ggaccgagat tgcagaagct gtgctcgaga agaacgaatg gcgctggggg 540
ttcgggatgt gggctatcat agagcccgtg tgttccgtcc ttctggtcgg gactatgctc 600
tactatcaaa agcgtgcgcg gaaggacca tccccggcag agttcgcacg ggagccgacg 660

gagagaaatg tggatgatgg ctggtggaag cggatttata acctcgtttg ggtgcaattg 720
gacgcgtttg gcgcaatcct cttctgttg ggtctgtcgc tcttcctggg tccgctgtcg 780
ctaacaggct cggggaacag cgatgactgg cataggggct cgttcacgc gatgcttgc 840
ctgggcgtcg tgatttttgt agcgttcctt gcttgggaca cgtggtgtgc gaagaaaccg 900
tttatcccgat ataggatgat caagaaccgt actgttgcgt cagcttgttt actgggaatc 960
ctcgacttct ttcattattc ggtcttttct gttttcttta cgagctatct tcaggtcgcg 1020
gcgcacatcg gggccggacc ggcaacgagg attgagtacg tgccatcgag cctagcccta 1080
ttttccggca taagacgctg accaattttt catcacacag caactccctc cgagtcgcct 1140
tccaagttag cgggatattt gcagcgtatt tcatgaaatt taccaaacgg tcgcaggttt 1200
gggtgttcac cggcgtaccc ctctgtgtcc taggcatggg cgtcctgctc tacctggctg 1260
acatgggcga gggccgcgta ggcaacgaag cggcatttgt aacagcgaaa tccctcattg 1320
gtatcggacg aggccttctac cagacggctt cgcaggtttc ggtccaagcg aaggtatcgc 1380
ggggcgaggt ctcagtcgtt accgctgttt tcttgcgtgc tatgagtatc ggcggggcta 1440
tcgggactag gtgcgtaaac agcatggccg gcctctaact tttgttttct tttggttctt 1500
gatcggccat ggtatatatt taagaagtgt atatgctgat tatatgcagt gttgctggcg 1560
caatctggcg cagtacccta ccccaaagc tagctcagca tctcccgcgt gaacttaagg 1620
accaagcgca ggccatcttc ggtagcatcg ttgtcgcgca gaaatacgag gttggaacgc 1680
cagcacgaga cgcaatcgat atgtgctatc gacaatcgca gcggatgttg gctattgcag 1740
cgttggcagc gttggcgccc atgctgatta ttatgttctt cctagagAAC gtaccttga 1800
ctgatgaaac tacgttgatc gagctgcgtg ggaatagaga ggctgttaag aagaaccata 1860
gtggagggga aggaaaggag gcgaggtcat gaacgcttcg aatgtgctag taaatgttgg 1920
gccaggaatt tcgatgtata gaagctatta ttaatgaact aaaaacttgg attgatattg 1980
atacggaaat atgaggccac gtgatctctg gtagattgac cggacatcgc ctgtttctag 2040
aaggttccta ccctctatat 2060

<210> 20208
<211> 2068
<212> DNA
<213> *Aspergillus nidulans*

<400>

20208

cctccgccac ctgcaagagc cagtcgccgt caccctaagg ctggcgaact aagcgattaa 60
gcatcgcat ccagctgcac ctgcaccttg actacaaccg tcttcgcata cttccacagc 120
cgtggtaatt tgtaataatc gctgcgttgg agagtggaaa gactcgttcg cgaccataat 180
tacgcgtcga tcttccggtt atttttctct tctcttatcc gccatccgcc cccccggcat 240
caacgtgcag ctttgttgat tgttcgctac catacctcct cttttccact aaagtacgtg 300
ccaacaagag gaagtctcaa gcctttctcg actcggggtc aactaagac cttgccccaa 360
tccaatcttc tttccctcc cgtacttcc tctcaccctg tctttcttc tccgtccaca 420
agcttattgt gtcgttcgac gcgtgttatc aacaggcacg cgagactata ttagcttgga 480
aggatcgta gggatatctt ttcccggtag cgaccgcctc tcttgatta tatggacaac 540
aggcctgctt ccgagtagc gcagtcaggt tcgctctcac cgtttccaac atctgccgcg 600
acacattctg aatttacagc tgcagaccag gcttctgctg ctgcccctgc tcaatacacc 660
cctcagcccc agtcgcgcc gaacctcag tacacaccgc aacctgaggt ccgaccgggc 720
acttctcca acacgccga gtctgactac agtctgaacc agcctcctcc agccgcgcgc 780
tcgcccgcac acccgagta cctggccgc ccgcctcaat accaccacgc gccgaactct 840
cagcccgag gtgcgccagg tatggctcaa gcaacaagtc cgtccatgaa ctctctgaac 900
gatgggcatc caaatggcca tcgcaatcag tcgaacgtga agtctgacgg agacgttctt 960
atagatccct cgattgcggc ctccagcca acctatctc ctcttactc gccttatacg 1020
gctcaaggcc acgacatggc cgctcagtat cagggccacc cgccgcctcc gccgcctcca 1080
cagatgtatg cgcgtccgga atggtcgcat ggctatccgc aacatcagca cggctcttct 1140
ggacctaca gctctctgc cacaacggtt ggtccgcct cccctgctac gaccgcaggg 1200
ccgcgcctg gccaggtatg tttttgatga ttctggcatc cgtttccaaa ggctgcgcaa 1260
ttggtttgat tgttgcttg ggacgtccc gatgtcgggg ctgcggtcgg gctctcttca 1320
ggatgtggag atgcggggc tttatttcat cttttcttg attcgggtca tttgctgaca 1380
gacggaatcc acaggtttac tegtctgttc cgattcccg tgcacaacag cataagcgac 1440
ctcgtcgccg gtatgaagaa atcgagcgca tgtacaagtg tgggtggaat ggctgtgaaa 1500
aggcatcgg cacacttaac catctgaatg ctcatgttac catgcaatct catggtcaaa 1560

agcgaactcc agaaggtgag tgagcatttt cactttgttt ggctgcacct gtgatagccc 1620
 agtttagcgcg gcttgcgga cgcgctagtc aggttacacc gcttttagcgt tgcggatcgc 1680
 agtagcgcgc caacttgccg agcaatcggg gatattcctg catctcactc gttcagctgc 1740
 tgactggtta ccagaattca aagaaatccg taaggagtgg aagcagcggg agaaggagga 1800
 ggaagctcaa cgcaagggtg ccgaagagcg cgagcgtgcc gcagctgccg cagctgttca 1860
 gagccagatt gatgcttcgg gcgcgccaga cctttcacag ggccggccagc ctctcagta 1920
 tcctggcggt gtccgacctc aattacctcc gattggatac cagcctgctg atggccaggc 1980
 tcctgggtcaa tacggcgctg gtgcagggtg catgccttac caaggcaacg ggcaagtggg 2040
 ataccctccg aactaccgcg actcgccc 2068

<210> 20209
 <211> 2069
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 20209

tcgccccac ctgaacttcg gctacaatga acgtgccttc aaccctgcgg ccgcaaacaa 60
 ccgcgcgtat ccaccacgc cctccgcat tctcagccg atctaccaga gccagagccc 120
 ccaggactac atggacgctc agaatggtgt ttatggtcag ggatatttca tgccgaacaa 180
 ctaccctgcg caggtcgcct atgccagcc ccattacggc caaccaatc tccagtctcc 240
 tcagcccgcc tatcagtctc gaatgggata caatgtcagc cccaacgatg gaacaaatgg 300
 tttgatacag cagttctcga atcaggattt aaactcgaac cgaacgggtt tcttcaannt 360
 gtcccgttcg cctgctcaaa gaccccgta tgcaggcaat acagcccccg gacagcagca 420
 gcaacctgga cacttgcccc ctccagtgc tccgagccct cggctgcccc ccgagaacga 480
 agaacttcaa cgctaccag agcgcttctc tgaaaatggt cacaacgtg gaaaagctgc 540
 gaaggagtgt gtcaacgtat tctttcacga gaatatcgag cgtgcgcgtg atcgcaacat 600
 gcggtgggtt tttgctactg agcgccgtat ttctctaaaa agaattttgc taactggagt 660
 tataactgta cagttcggcg gagctcgaca agatgatgcg cgacccaac atttcacaag 720
 atgcaaagggt gaaggaggcg gaaatggttg gaaagaaaga gtcgacattc cttcgcttcc 780

ttcggacacc agaaactcct gccaaacttcc aaaccatcaa gattattgga aagggtgctt 840
 ttggtgaagt taagctggtg cagaggaagt ctgataacaa gatctatgcg cttaagtgcg 900
 tgatcaaadc agagatgttt aagaaagatc agctcgccca cgttcgtgct gaacgtgata 960
 ttctagctga ctgaaggac aacccttggc ttgtcaagct ccatgcttca ttccaggatc 1020
 ccgcatacct atacctcctg atggagttct tacctggagg tgatttgatg accatgctta 1080
 ttaagtacga aatatttctt gaagatatca cacgcttcta catggcgga attgtgatgg 1140
 cgattgaggc gggtcacaag ctgggtttcc ttcaccggtg agaataacaa tcttgggtctc 1200
 tcgtaccata tacagcgtgc taatatactt gtactataga gatattaaac ctgacaacat 1260
 ccttctcgat cgtggcggtc acgtcaagct gaccgatctc ggtctctcaa ctggaggcaa 1320
 gaaaactcac gacaactcat actatcagaa cctgttgaag aattcaacat ccaaggataa 1380
 gaaccgaaac tctggatact tcaacgatgc tatcaacttg acagtatcga accgtgggca 1440
 gatcaacacc tggagaaaat ctgcgaggc tatggcttac tccactgtcg gaacacctga 1500
 ctacattgca cccgaaattt ttaatggtca aggatacacc tatctttgcg actggtggtc 1560
 cgtegggtgc atcatgtttg aatgtctcgt gggctggcct ccattctgcg ccgaggatac 1620
 gaccgacacc tatcgcaaga ttgtgaactg gagggaatgc ctatatctcc ccgaagaatt 1680
 gacactgtct cgtgaatcgg aggggtctgat tcgaaggtat gttatgtcag caatccattt 1740
 gagctgcttg tctaaccgga gatcagcttc ctatgtgacg cagaacaccg catcggcaac 1800
 gaagggtggc aatacggagg tgctacacag atcaaaaatc acccattctt ccgcggggta 1860
 gtatgggatc aactgcgcaa aatccgggca ccgttcgaac ccagactgac gtcaaatatc 1920
 gacgtatcat atttcccgat tgacgagatt cctcaggagg ataccagcgc cattcaccgc 1980
 gcccaggcac gtgccatgcc ggatgagcag aatgctgaga tgagcctgcc ttttatcgga 2040
 tacacatata aagcattcaa cgcttcca 2069

<210> 20210
 <211> 2080
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20210

tgccaaagag tgagagtggg aaagtgttga agaaggattt gaaggccatg aactaaaccc 60

atccccgtagg aggaatatct atacttttta atcttaattg ggtagatata tgctcactaa 120
atgaatgata aagattatat ctaaggactg cctgtcgtgc tctatggtac agcttttatg 180
gagccagcgt agcctagtgg aatgctgaac tggttaactt cggctagctc agaatctccg 240
ccgatagcgg ttgttcaactg ttcgtagttt acatagtgtc aagagtatat gtcaagtaga 300
tgagagcacg atatggactt acctgtttgc tagtggacta ggttatctac ctccaagtga 360
tgtttgacgg gtcgctttga tgcacatata ggtccatttc ctaagggtcaa tgccctatgc 420
tcgcaacatg cagtaagaat atatctatcc aaaagatgac gagacgagct tgctcaaagg 480
taatcaccag ccgggggtccg aaattgcgcg tgggtccggat ggaaagccta gaaaggaagg 540
atatttaaca aagaggggta aaaatttttg tggctggaaa gcgcgctact tcgttttaca 600
tggtcccga ctcaagtatt tcgaagcccc aggaggcgct catcttggaa ccattaagat 660
cgccaacgca cagatcggga aacagtcgca acaggcgcaa ggtccttcgc gagccgacga 720
cgatgattct gataatcaat accgtcatgc ctctcttatt ttggagccca aaaagaaaga 780
ctcttccgcc ctctgtcgcc atgtcttctg cgctgaaagc gatgatgaga gagatacgtg 840
ggttgaagcg ctcttggaa atgttgaagg agctccagca aatgatagcg ctcaagccca 900
gacggctcct aataatgcaa cgaacacctc ttcaaaaaac aagttgttct ccaacggtag 960
caaaaaaggc aaagggacgg acagcccaga tattgagcca tctgacaccg tccagggtt 1020
cagttttgaa gatgctgttc ccgccgaacc gcctgttatt ggctcttctg atccgaggac 1080
accaagatcg ccaatgttcc caacggtccc ttccaagaa ccaagcgaca acaaccagcc 1140
cgaccatggc cagctctcat caaaagtgat atctgcaccc actaatggcg cagtataca 1200
agacgctggc gcttggggaa ataagacctc aagcactaaa gagaagaagc gcagtatctg 1260
gggatttcgt acaaggtcat ccacgatct tgcctcccat cttcaagctg tctccgaggg 1320
tcctcctatc cagcttcatg gtacaggcaa tgagaaaagg gaattgataa aaccagtatt 1380
tgggatgccg ctggtagaag cagtgcgaga ttgcgcgccg ttgacgttg atgtcgaatt 1440
acctgctgtg gtttatcgct gcctcgaata tctcagagcc aagaaggcgg aattggaaga 1500
aggcatattt cgtttgagtg gatcgaacgt cgttgtgaag gcgctgaggg aacgattcaa 1560
tactgaagga gatgtcgatt tcctcgccgg agaacaatat tatgacgtac atgctgtggc 1620
ctcacttttc aaacaatacc ttcgggagct accatcgacc gtactcacgc gcgaactaca 1680

tatagaattc ttgcgtgtcc ttggttaagca cattatctga tactatgcaa tgttgatgtt 1740
 catactaatt gtccgcttca gatatcaacg agaagcagaa gaaagttgtc gccttcaact 1800
 cattgggttcg cagactccccg aagccaaatc tggccttgcg gcgagcattg gttcaatttt 1860
 tgattgtcat tgtcaacaat tccgacgtta acaaaatgac tgtcaggaat gtgggcattg 1920
 tctttgtctc tactcttaat ataccagctc ccgttttctc gttgttcctt actgaatacg 1980
 atgaaatttt caatgatgcg caagaacctg ccgtgaacac agtggatctg gttgttgata 2040
 atccgttgac accagaagac attcgggtctc ctccggcgta 2080

<210> 20211
 <211> 2081
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20211

cgcttttctga aatcagtggg ttcattccagc tgactaggag ccagggttaac caaaagatcc 60
 tgttaatatata tggccaaatc ggggacccaa ggcaacatcc gctggacggt agtatagtgg 120
 ttaaccatca ccaagatagc tttccccagg tctcctggcc cgtcaattcg tcccatttca 180
 aagccctcgt gcattctgtt ccgggtccga atcgtctccg tcttgacttt gtctcaacca 240
 agtcattcgtc tggcaacctc catcatgcta ctatttctc ttggatcaac atcaactacc 300
 tcccgttgac taactcgccg ccgctacacc tcgtgatact gtcgggaaag gattcaaaag 360
 ggacgtttga tgccgtgccg gaaaaggcga atcgcgaggg taatgatata gaaactgcga 420
 tcaagaagta ccgaatggct gcataccttt ggcaggcatt caccggtgaa cagatgttcc 480
 gcaacaatct tggacgacgg tgcttccggt ttgaggagga atggcagccg ggcaccgtca 540
 gtaatcgaga tgcagcgagt gggcaaattgc gaaacgaggc gaaaattcat attgttcgga 600
 ccgaaaagac tgtcgcagag ctccgggacc tgcagcttgc ccagcaatat ggcccggcta 660
 cgaggaagga tgagcttttc cgcattcggc aagaggccgt gaagaaacat ttccacctaa 720
 agccggggcca gaaacagtac gtctccgtct tactcctaga ctccattgg gatacagagt 780
 cgcaaaccat taccgggcat gccgccttgg gctcgagcaa tggcgacctg aaaatggcaa 840
 tgttcgggtc tcaactgtctt cagagttatc cgtcctgtct agaggaggtg gttgatgcat 900
 tctccgactg caccgaaca aacacagatt acgtcgccaa cgattgcggg caggctggtt 960

ctagctggga atctgcaaat attggtatcg gcgcccattc tcacgaagtc ggccaccttt 1020
tcggctgccc tcatacaggaa tcgggctgca tgctcagaga ctacgtccgc cttaaccgct 1080
ccttcgtgac tcgagagcca ttctcgaccc gaacaaagac acagggcctg catccatgcc 1140
tgccacagga cgaatgcaca tggcatcgtc tggatacttt gcgcttcggg ttccaccctt 1200
gcttcctgct tcctaatagat gctcctatga gctcagacga cagcggtcaa gtctggcctg 1260
tggaacacgg caggatcctg ctgactgcga cactgggat tgcgtttatt gaactgtacg 1320
gtgaaggcga ccagggtgtc catcatttcc ttgagtatct caacacagaa tcgaccagca 1380
atgggcttcc gaaacaagtc acagtgactg agagtgaact gcggcaacga gtgttcggta 1440
ccgacaaaga aaagaagaaa cagggtcaaaa tctctatatt ttccggtact ctcggttcgt 1500
ttaccgtcga gtccatcagc agcttgaagt ccaaaaactc ccagggtgaag ctgcccgaag 1560
gcgtcgggta tcgaggatgt aaactgggga tctctcaatt agccgaaagc caaccggagc 1620
agcttctcct ggactgtgct ttccaatata agaaactcct aacttccatt agagtctatc 1680
ataatggcaa gctgcatggg atggaattct tgtatgagga tgcgacgagc caattgtttg 1740
ggaaccggga cggaatgtcc gacgattttg tgctaggtaa gtctgtacct gaccagtat 1800
ctgcgtacca cgggctgcta atatgtggtt gcagacacgc gacgcggaga aatactccta 1860
ggcttttatg tccgagcagg aactggatc gacggtattg agatattgac cagcttaggc 1920
agaaaatctg ggctctttgg caatgccagc ggaggctcag ggtatgtgtt aagccttttt 1980
tttactcaag agacttcgtg ctgacaatcg tcttaggtac aacttaattc ctcccttggg 2040
ctataagatt gccggtctta caggaagctg cggagcttgg a 2081

<210> 20212
<211> 2082
<212> DNA
<213> *Aspergillus nidulans*

<400> 20212

cagggcagca catggggaag atcgtagtcc ggatgccgga taatatcagc gagcttccaa 60
cgagggatac gcgcgctcat atttccttct cccagacac gcggtatctg ctatgcggtg 120
gtctgggtgg attgggccgt gcactctcga actggatggt agagaggggc gctcgttggt 180
tgctatacct ctacccagc gccggtgtag gtgacgacca tcaggagttt gcagaagaac 240

tggaatgtca aggcctgcgaa gtagtctatg tcaaaggcac cgctcagac gcatctgacg 300
 tgctgagggc aatatcccaa agcccaaagc cgattaaggg cgttgtccag cttgcattaa 360
 cgctaaaggt atacaggtea cacctttcgc ttgagcatat tcagtgtctaa ccctacttca 420
 taggacgcaa gcctgcaacg aatgacattt gaagactgga caacccccctt gacagccaaa 480
 gtccacggca cctggaattt gcaccaagcc ttccaggata caccoccttga cttcttcctc 540
 atgttcgggt ccatcgcagg catcacgga atggccggac agtgcaatta ctacgcccga 600
 aacagcttca ttcacgccct ttctcgttat cgccattctc ttaatgaacc ggcgtcagtt 660
 ctagacctag gcccggtcgc agatataggg tacgtaagcc gtaacccgga gctcatgaag 720
 accttcagcg gccgctatga atggcgcttc attaaggagc aggaggtcct cgacgcggtt 780
 gaggcattaa tccaccactc aaccttccca aataccacac cgttcacaca ggggaacaga 840
 tacgacccca accatatcat ccttgggtctg atccccatag ctccctgggg ccgacgacgg 900
 ggcgacaccc ggtttgcaat tctctcaa atgtagctcaac gagatcaaag cgggtcggcc 960
 gaagcagacg acatcgttga cttcatggcg caggctcaggt cagaccctga gatgctgaac 1020
 cgctcttcaa cagaagaatt cctgatctc aaggttggga ccatgataaa atgccttagc 1080
 gcaaaaacaa ggacgaagga cagcatagcg gccaaagcat acctgcaagt attggcgaat 1140
 attcagatcg actcgtgat cgcaattgag gcaagggcat gggcgaggag gagactgggt 1200
 gtacagatta gtctgtctga aatcacggca gcgggaaatg tgaagggtt ggtcggactg 1260
 gcgatccaag agatgaaaaa gaggtattct attgcttgat ttgagtttct ctggttgtaa 1320
 agttgtacgt tgttggttgc gcagactgac agactgattg tgttttttgc ccattgtttg 1380
 aatatcta atttacgagtct ccctaattgcg gtttatgtca ctactcctat ccttgcaccg 1440
 tatatcactc ctaagcgaag tcggaggagt ttaattacga gaataatggc tcccaatccc 1500
 aaaaaggcga agctgcatct tgaccactag tagaagtctg ccgattacga cgtcgaaaga 1560
 agatacaatt catgaaattc atggggctag tcttgctttc tactgcatgc agaaggtcac 1620
 aggtaccttg ctgaaaattt gcctagccaa tttcacccaa aatagggcat tggggtcata 1680
 gcatggtcga tctctctctg agcagatggc cgtaccactt gacaccatac caccataacc 1740
 agcaggggaag cataaggtgt gaaggaacct tagagccgtt gctacttcgc taaatgatcg 1800
 tcaatactcg gagcacttga gttggggctg aacggctgga ggggagtatc tttgttcga 1860

agctggtggt caatgaagtt tgcgtgttcg tgcacgcgcc aggtggggtt tcgtgatgct 1920
tgaaccagga tatctaattc tcattttctta gaagaccgtc cttattgcag aaccgtggct 1980
ggggcttttc gatagagttt ttggcgtaca gggagactta gggttagtgc gatgccacag 2040
cgtaccaagg tctaccacga ggtggaatct tgaagacaaa aa 2082

<210> 20213
<211> 2084
<212> DNA
<213> *Aspergillus nidulans*

<400> 20213

gaagaggagg agctggatga ggcggtatag agctagtctg tatcctctaa ctgggtcgcc 60
tcaggctaac ttgtgaggcc agggttttta atcagtgaga gatgctgtcc tttttgccat 120
tgaagttagc gattcgatgc ttcagccccg tccgtctgca gacccaaaag acagagttat 180
gagtcgcccc ccacggctgc gttgaagtgc gcataccatc ttatgcagca gaggattatc 240
tccaaccccc gggacatgat aggagtactg ctatatggaa caaaacaatc taaattctat 300
gacgaggacg agaatagtcg cggtgactta acatacccta attgttacct cttcacggat 360
cttaatatcc cctcagcgca cgaggttctg gaacttcggt cgctggttca ggatgaagaa 420
aatgcgaaga aaatactcga accgtcaaat gagcctgttt ctatggccaa tctactgttc 480
tgtgtcaatc agatattcac cttaaaagcg cccaacttct tatcgcgacg actgttcata 540
gttactgata acgacaaccc tcacggagac aacaaatctt tccgttctgc ggcaactgtg 600
agagcgaaag atttgtacga tcttggcggtt acaattgagc tgtttccaat ctctcagata 660
gagcatgaat ttgacacctc caaattctat gacgtgagta cagttcctgc acgttcggag 720
cactaaaact cacaacggat aggatattat atacaaagcc tcgccaacg accctgacgc 780
ccctgcctat ctaaaacctg atgcgaagat gaatgatgcc caagatggta tctcattact 840
caacggtctc ctgtcaagca tcaactctag atctgtgccg cgccgtgccc agttctcaaa 900
catgtccctc gagctcggac caaacttcaa aatctcagta tcgggttata ttctcttcaa 960
acgtcaagag tcggcgagaa gttgttatgt gtggctcggc ggagaaaaac cacagattgc 1020
aaaggggggtt actacacaga ttgcggatga ttccggctagg acaattgaga aatgggagat 1080
taaaaaggca tacaaattcg gcggggacca ggtttgcttc acccctgaag aacaaaagtc 1140

attgaaagac tttggcgaac cggtaatccg aattattggc ttcaagccct tgtctaccct 1200
 tcctttctgg gccaacatca aacacccgtt atttatttac ccaacagagg aagactatgt 1260
 gggttccaca cgagtattct cggctttgta tcagaagctc ttgagagatc agaaagttgc 1320
 gcttgtctgg tacattgcac gcaaagctgc tagtccagtt cttggtgcaa tgatggctgg 1380
 tgaggagaag gttgacgaga atggcattca gaaaataccc ccgggcatgt ggattatacc 1440
 gctccccctt gcggatgatg ttcgacagaa ccctgaaacc gcccttcagg ttgcgccaga 1500
 gccacttata gatcagatgc gaacagtcac ccagcagttg caacttccaa agggcgctcta 1560
 tgaccctcag aaatatccga atccatgtac gtgctgaatc aaagtcagac cgttcgagac 1620
 cctactaatc accaaatagc acttcaatgg cattaccgca tcctacaagc gctggcgctg 1680
 gacgaagatg tccttgagaa gcccgatgat aaaacaatac ctaaatatcg acaaatcgac 1740
 aaggtgagct ttcttaccga acatattgat catataagaa ctaacacttt tttcagcgcg 1800
 ctggcgggcta cgtcttggac tgggctgatg aattagaaaa gcaatacgcg aagataaccg 1860
 ccgatcaacc caagagtacc acgcttgcca aacgacctgc aaaagcagat aaccagata 1920
 aagccgctcc gccggcgaag aaagtcaagg ctgaagctgg gtctggcaac atacaggatg 1980
 aagtccagaa acattttgag cagcacacat tgtccaagct cactgtggct accctcagag 2040
 atttccttgc atctcagggc cgtgccactg cgggtaaaaa ggca 2084

<210> 20214
 <211> 2084
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20214

caaaatgcca tcagtataca cccatattac actcgatata accgaccaga ttggagtcac 60
 caaggtacgt tacaccaccc caggcgcgta gtcgcattct aacacaagag cactccagct 120
 aaacagaccg tcggtcttga attcctggaa cgaggccatg ctcggggaga tgatctctgc 180
 gttccgcgag ctagatcagc atgaacgaac agtggttact gtgctgaccg gcgaagggag 240
 gttcttttcc gctggggctg atattcgacg tatgtgcaca gttgccggct attttcaaaa 300
 taacgaaagg cttaacctga agtagaagac attccaaaag caccgaaaa tgcaaccgcc 360
 gcagagaaga aactgttcta tatgcgcaag ttctcacgcg gtatgtgtat gcataccctt 420

aaccctatca accagaagcc gtacactaac cactgtacgg tgtaagaaat tgagctcttc 480
cgctctctca tagaccacac caagatcctc gtcttagcac tcaacggccc tggcgctcggc 540
ggtggtgcag cctggttcac tgggctagca gatattatcc tcgccgtctc tggcgcatac 600
ctgcaagttc cgttcaacag ccttggtactg gtaccagagt tcggtgcagc gcagaccttt 660
gcacagagca ttggtgtgcg ccgcgcaaata gatcttctta tatttgggcg gaagtgttct 720
gtcgaggagc tggaaaactg gggacttata aacagggttt ttcccgacac gggattcgtg 780
gatcaagtgt tggcttattt acagggacaa ttagaggcta atgatggggg aagtatgctt 840
gagacgaaga ggttgacgaa tggctctttg agggccgaac gaatgctggg aatgattgat 900
gcggcgaatg cgctggcgga gaggtttgtg gaaggggttc catttgagag gtttgcaagg 960
agaaatgaag aactaaagat gggatatgtc tttcttctt cttccccgtc ttctcagatc 1020
tgaatatgtg ctgaaattgt gatagcgaga aaggcccga gcggcaagga gaaggcgtct 1080
ctttgacggg cccgataggg tcaaagacag cttacactac gcggggggca gcattaatgc 1140
agggctacta tattacgtaa cggataaaaa tgctggactt agttgacacg tttacgcgtg 1200
gcaggttgcc ctgtcactga agttacctga tccaacactg acttgacaga cctgttaagt 1260
atcttggctt tataaggtct atagatccag agctgcagac tcttgatcgt acggccataa 1320
tttctgatcc tgcttggctc gtaagacctg gactcaatag atgattctgt ttttttacc 1380
taaattccgg atgtggacga aatccatatt gtacctcaat ggacgtagc ttggagttgc 1440
ttgtcaacag tcatatataa cgtttctgca cagcatatgc atgacttaga aactctaaag 1500
catcttccat gcctgtaatc tgcacgcgga tgatccatca aaagagagac tgtgctttca 1560
gtactcatga tctgcaaata aatgtcttct agatacacc accgcctagt ctgacacaac 1620
gctccatgac aaacgatagt gttgagttca agctgacgca acatggcctc aacatcagcc 1680
gcagtccacc tttcaccgta ttcaaaagta gttttttgcg tggcccgatc aaggcctttt 1740
ggctcgtaat cgtttttctc tttctggag gatgtgaacg cgtccagaag tgggcgccta 1800
ttttcaccgt aaagccgtct gctcttctcc aattcctcta cttccattaa cagcgcacag 1860
gccgaaacaa cctggaaact ttcgagccga tcccatccct gccgtcgatg accgagacct 1920
ttttccgtct caccagcaac atggaagcaa gctagacaac gctgcaatga atcgtattca 1980
cttacgtaac ctgttatgag gcctgaaggg cgcatttgcg ataatatgaa ggaagctatt 2040

ctctcgaatt catcattgag tttgatagac cgttcgcgct gtcg

2084

<210> 20215
<211> 2084
<212> DNA
<213> *Aspergillus nidulans*

<400> 20215

gcggtcgggc cggcttaatc agcacaaagt acatgaagaa ccggaaattc aacaagggtc 60
tgaagaacct agctatctgg gggatatttg agaatgcggg aagctacgga gaaggaacac 120
ctgctgtggg aggtcctttc tttcctcgcc ttgaaggtaa gaagattctg cagctttctt 180
catcaggtct gggttgagtc caactgacaa cttcaaagat gggagcggct gggcctgggt 240
cattcctctc cacaatggaa ccacctctgt cggaatcgtg atggagcaga gtagttttac 300
gactaagaaa aaggccatga cgaatccgag cactcgtggc tttctcatcg agcacataaa 360
atacgcccca ggaatttcag atttactctc aaaagcgact ctcgtttccg aagtcaaadc 420
cgcaacggat tggctctaca gcgcttcgac ttatgctgct ccttatattc ggattgtcgg 480
agacgctggg tgcttcattg acccactgtt ttcgtctggc gtgcatcttg cgcttacggg 540
cgctctatcc gctgcagcga gtatctgtgc tgtgctcagg ggggactgtg atgaggatat 600
tgctgccgga tggacagcca gaagatccgc gagacttaca cgaggttttt gctagttggt 660
acaagtgcgt atgcgcagat ccgtgggcaa gagcggcctg tgctaaatga gtatgacgag 720
aagactttcg atcgggcatt cagtttcttc cggcctagtg agtagccact tacctctcca 780
tatgtgagtt tcggccgact gattctctcc agtcatccag ggaaccgttg aagttggagg 840
tacgaggttg acgagagaag aggtcgtca gtcagtaggc ttttgcatgc aggttattcg 900
caaggtcaat ggagcaattg acggtgaaac gcccgatgtg gaagaccagt acggtgagca 960
gacctgtgat cggatcaaga aggccgagct caaggctggg ctggataagt ttagcgcaga 1020
tgctgtgctg ggaatgacgg tgaatctgca gcggggcgct ctagggtggt tgaaggtcgg 1080
ctaagtgatt tgagagatgc cttgctgctt ggtagcatg ctgggtagtt gatcgtagaa 1140
aggtgttcat gacgtagata tgggcggttt tctctgacag ttccattca gcgtctaata 1200
tgttcgttac aaaatctaata cattggggag gtctactttg aagagctgaa acggttcaac 1260
tcatactacc aaagataggt tttgttttat gtatgtactg gacttttctt gagaatgggt 1320

cctgtgtgta gtacttcttc gacgtcttcc tgaaccctga atcagggctc tatgccaccc 1380
taccagggtg gactgtcga gactcgatca atgctggcca atacaaagat tccagtcctt 1440
caattgggac atcaagtagc cctttgctta aagtagcaga cctgagccat ctagtctctc 1500
tgctatccac agggcatagc ggagctcaag acgatgtcaa gcatctcact accccataag 1560
accgaatatt gaggaatcaa catcgaaccc aaatcgggct agacctgttc cagccactgc 1620
acgatcaatt gcgtaagcct aagaatactc actagaggct tagtgtctgc tgcgcaaact 1680
gtacttattc ggataccgcc cacctgttct actgcgttac gtgatatttt cttggagaca 1740
gatgtcgtca tgctattaat ccttattatt atccaaactg atgggtgtgc agtgctctgg 1800
attactgtat cgcagctgta atcagtgtgg ctggcggctg taatcaaaat caaacagcga 1860
tcttgataag agccctaagc cacaccata aacagaaacg gacctgctcc atgccttagc 1920
tcacgcaccc aatgctagca ctactgcacg ctctgtggcg ccatgcaact agtctcgaga 1980
tggttggacg agcaagcatt tcagcgtaag gcttcgactt gggcccagtc ctacgcgctaa 2040
acgcgaacag ggttacagac agggattccg cactgcctcg ccag 2084

<210> 20216
<211> 2085
<212> DNA
<213> *Aspergillus nidulans*

<400> 20216

ccgcgcggag tcaaggattc taccctatga aggaggtgct aagagcgtg ggtgattaca 60
acatctgcac ggtgcaagcc ttggggctga tggtgtcaga tatgatgacg atcacagaat 120
caactacgtt atcgccaagt catgcagagg agtttagcgt cttattacct cagatgaggg 180
agaagaaggt aaaaagaggg gtaaggctt gatacaagca tatatagaac taattggtcg 240
cttctgtga tggtgtgcta tagagttctt gggaaggcta tctagcatat cagataattg 300
caccatgtcg actacactca ccaaagaaga aaccaccccc gccgtcgtca gggcttttga 360
cgatacggca cacagtgagg taatatatgg attgccgac tatctgtcta tcacctcgtt 420
actgaaggat agctgcagta tgcatactcc gcgtacctcc ccgtctacga cactaccaca 480
actttccac ccaccgaacc tttcgaccac caagatcggg gtctaagtgc agacaaatcc 540
aagccgcacc tctttcaaac cggggaccca agcgtgtcca tcacgaagct aacaccccg 600

gttggctccg aagtacgtgg cctccagctc tcgcagctct cagacgtcca gaaagacgaa 660
 ctgcgccctcc ttattgcaga gagaggcgtc gtggtctttc gagaccaaga ctttaaggat 720
 attggacccg ggaagcaaaa ggagtttgct ggttattttg gaaggttgca tgtgcacgta 780
 cgtccctacc tctctatctt cggcactact tcatcagatt gaatatgggt aacgaaagtg 840
 gatgatgaca gcccgtcggg gcacacgtca aagatcatat cgagttccac aacatctatc 900
 tcggcgctga caacctctac cgtctgcaga cgcggtcaac aaagctcacc acaacgggat 960
 accactcgga cgtgtcctac gagcaccagc cccctggcgt gacattgttg actctactca 1020
 gcgtgccatc ttcagggtggg gatacagcct gggatatcca gggtgcggcg tatgagcgat 1080
 tgtccgatcc gatcaagaaa ctgcttgagg ggctgcgggc tgaacatagt ggattcccgc 1140
 aggcagagag ggcaaggggt gacgggaagt ttgtgagacg cgagccagtg aagtcggaac 1200
 atccggtcgt tcgggtccac ccggtatgcc tatagtccta ttcatacacg tggaatagaa 1260
 gaggagaggg gctgacgatt gttgtaggtc accggcgaga aagcgtcttt cgtcaactcc 1320
 ggcttcacga agaggattat tggcttgaag gatgaggaat cggatgcaat cctgcagcta 1380
 ttattcaagg tttgcccttc tgccccctta taccaagtat tacttttttt aggagacttt 1440
 gaaggctgat acaaattgat gtagcacatc tctctctccc aagacattca agtccgcgtc 1500
 aagtgggacg acaggactgt ctgcgtgtgg gataatcggg tcaactgcgc tacggccatc 1560
 tcggactatg acacctcaac tgatggccta cgacatggaa ttagattgac tacattagga 1620
 gagaagccag ttgggctaga tggtttgagg acagtgtggg agttgcactt agggtttgct 1680
 cattgggaag tcaatatctt aatatttcta gtcgtgtata gcctcgtaca aattttgtga 1740
 acataaactt gaacttagac aatgtctagg attacaatgt tgcgaagctc ataatgggat 1800
 cagcattcct attttcaagc cctaactgct attgctgggc atcacttccc ctgtgtatca 1860
 acaaccacat tgacgctctc ttcggtctga ctcccaacgc tccccctaga ctgcactgcg 1920
 ccacccctat atcacataat tagcctagtc ccatctcatc gtttcattta gcaagggtat 1980
 gcaacatacc tcctcgtctt tcgattctcc ctgcgtctga agctgcgtat tgagagcgtg 2040
 aaaattatca ggaggacact catcacgcgt cccgtaatga acccc 2085

<210> 20217
 <211> 2091
 <212> DNA

<213> Aspergillus nidulans

<400> 20217

tgccccgagt tcgcgttagt tcaagccaaa attgccatga gaaggaaggt cggctcctac 60
tagctgtaca ggctataaaa aaaaggagat tatattaata cgcgaggcag cacatcactt 120
taatatgcct gaatctatac tacatacgcg acaacgcggg actacaaatc gcgcggaatc 180
tcgcgcaaat agccataaat tgactgagat taaagaggaa gtacttaagc agtagattct 240
ttcttttagat ctatgcagag cagctcctac aaaagctcat gtataagaaa tggctaatat 300
tctgcttgca aagcatgggt ccaccccaat ccagactgtc ggccagaaat aggtatataa 360
ttaaactcaa cgccacctgg agcttgagtc ttgcttgta aggcaataca actgccagca 420
agcaaagcaa gagaacccaa aggttattta agcatgggtt aatactatac aagccacaat 480
tgaacaatac aggatcctac cagatgatat ctacaacttt gataagactg gctttgcaat 540
gggcctttgt gcacatcaga aagtgattac caagtcagaa ttatgtggcc aaagaccagt 600
tctacagcca ggaaactgtg aatagggttac tgcaattaag tcaatcagta cttctagata 660
ggtaacttcta ctaatactta tctttaaggg caagtagtat aaccaagcat ggtttacagg 720
ccttctgcct gactggtgat ttgaaattag taaaaataga tagacaacta attagacttg 780
ttaaaccacg ggttggggcg ggttttcagg cctagctgat ccgcctatgt ggggtttggg 840
gtgggttacc ttcacagtaa accgcccatt ggtttagcaa ataattctaa cccaacctaa 900
ataacccaaa ataacctagt tatgcatatc attactctaa taagcagtga tctacatagt 960
taataaaata ctgtatttaa atactgtatt ataactatct aagtaagaaa atataatcta 1020
aatatagtaa tatacctatt cagatatctt ggcaaccag cgggttgctc cgccgggctt 1080
tggggcagcc aaaaatatcc aaaacccaat agataattag aaggtctaac ccaaccatt 1140
tcttggcagg ttggggcggg ttggggcggg ttttgtgggt tgggtttaac aagtctacaa 1200
ctaataaaac tagcctttgc tggctttaga agcagtttat cctgtcaaca gagcattgta 1260
tatatagaag atatcaactt ctagttcttg atagccatgg aagccattat acaccagaat 1320
ttaatcaaat ctatacagat cataatatta tactactctg catgccagca tattcctcct 1380
atcttgtaga actacttgat attggatatt ttgcagtttt gaagtacttg tatgccagct 1440
tgggtttcag aaaatatagc ttggtatcag ctatattaac aaacttgatt tccttgtagc 1500

ctatctacaa gctcgaatca gcatatttaa gctggataca atcagaaata gttttcgagc 1560
 agcaggacta gtgccattga atcctgaacc agtactttca aagcttagta ttcaggcttg 1620
 tatacctaca cccctggaa gccgtgcagc caggcaagta cgttttgcct acatacacca 1680
 gcaaagtgtg gtgagcttct acagcaagct tctttactca gagattttct caaacagcac 1740
 tcaaaaagtc caccatcacc gcccataat agcctaaacc agctaattaa aggctgtcaa 1800
 atggcaatgc aaaagggcat actattggag caagagaata gggcactacg tgctgaaaat 1860
 gctatacaaa ggcaaaagcg agctcgtaca catagatgga tagctcatga taatggcttg 1920
 tctgtacaag aggctacaga gctcgaggaa gtcataatg cgtcttttca ggcaatacct 1980
 ggtccatgcg ggcaaccagc agagggtgca caaacaccaa aggcgcgggc attacctaca 2040
 tgtagtacct gccatagaat tgggcataga agaaatgctt gtccaaataa a 2091

<210> 20218
 <211> 2103
 <212> DNA
 <213> Aspergillus nidulans

<400> 20218
 gcaggggggtg cccatccaac gccagcgccg aacgaggag atgcgccac ggtggccgag 60
 ctccaacatg gttcaaatga cggggtcgac gacggcacia gtggctctgg tactgtatca 120
 ggctggaaac tcgccgtgt tctcattgga ttatcactgg cgggtgttctg catgtcccta 180
 gtacgtcctg gaaccaacca cattctccgc atcaaggatg tactctaaca gatcaatgtc 240
 caggacagca cagtgtatc aactgcaatc cccaagatca ctgctgaatt caactcgcta 300
 cacgacatgg cctggtagct gtagtcatac aacctgacga taagcagctt cagcctcgtc 360
 tacggcaaga tctacagctt gtacagagtg aaatgggtat acctgacaac gctatttttg 420
 tttgaagccg gctcactagt ctgcggcgcc gcaccagtt ccttgccct catcatcggc 480
 cgcgccattg ccggcggttg tggcgaggg gtattcctcg gctccatgct tattgtccac 540
 gaaatcatgc cgctccatca agtgccactg tttatcgccc ttattagcgg tctgtacggt 600
 atcgctagcg tcgtgggtcc ctttcttggg ggcgtattca ccgactacgt cagctggcgc 660
 tgggtgcttct atatcaattt gccattgga ggggtgacag cgtttatcat tgttctgttc 720
 gtcaggccgc ggggtccgca aaaggctaca gtaaagaaaa cccctgggc gcagttgctt 780

gatcttgatc cctcgggtat tattctcatc cttcccgccg tcatgtgcat gttgctcgta 840
cttcaatggg gtggggcaaa atacgcctgg agcaactggc gcatcatcgt gcttttggtc 900
atggcgggct ctctggcggt gacctttact gctgtgcaac tgtggcaggg cgagagggct 960
acgattccgc cacgaatagt ccggaatcgc agtgtctggg gtgcaatagc cttttcggtt 1020
tgcatttacg gtcctttcac ggtctttacg tattatgtga gaacaccccc ttgctactga 1080
atccggatgc taacatggat atgtgcttgc cagctcccca tttggttcca ggccatcaaa 1140
tctgtctccg caacgcgctc ggggggtgatg aatcttccca tgatcctcgg cgtagtgtga 1200
tgttcgatgc tctctggctg gggcgctcagc cgggttggtt actacgtgcc gtttatgtac 1260
atggcaccgg tggtcggatc tattggcgcg ggactgtca cgacactgca cgtcttttcc 1320
ggaccggctg cctggatcac ataccagctg ttattgggcg tcggcatcgg atccggcatg 1380
gcgctcccc ttgtcgctgt acagactgct ctccctaccg acgacgtctc gacgcgtccg 1440
ccatcatcac atttactcag tctctttcgg gcgcgttatt taactttgtg gcccaaagtg 1500
tcttcagag tcgccttgtg cataacctga atgcggcgct tccaggagtg gatacggcga 1560
gggtggctga tgtttctccg agggagatac gcaatgcaat tgagcccagag tacctccctc 1620
aaactctgga agcatacagt ctagcaatta cacaggtgtt ttatgccggc actgcgctat 1680
gcaccctagc actgtttggg gtgctgccga tcaagtgcct gtccgtcaag ggatcgagaa 1740
tcccgcccat ggcgcatgct tgaacaaggg ctatatggac tttgagactt gtctcgtggc 1800
tttttcgttg ctggtattgt tttctatgct cttgcatatc catcttgtag aatatgtaat 1860
gatctccatt ttaggtggca cattggcatt cagagtgcc gaatacacgt tatcaataat 1920
gatataggaa tacaaggcca cgttatctct ggtggcttga ctatacatcg cgtagttcta 1980
gaaggatatg tggggggaaa gaaaggacga caggatgaag aatacaggga ggaggaagag 2040
atctatcgtc aacaaggcag agaatcgatc gtcatatggc gtccgattct tagtaggcta 2100
cgt 2103

<210> 20219
<211> 2107
<212> DNA
<213> Aspergillus nidulans
<400> 20219

gggtgctggag aagctggcac agaattgagga gtacgcggct aaggagcttg agcggttgaa 60
 gaaggtgctt tctaagggtg gctctgcccc ggagaagctg gacgatattg tctcgcgcag 120
 caatgtattg cgtaaattct tggaagtgga ggagaaggtg gaggacgtcg tgaaggacga 180
 gctctagatt atccgactct gggctaattct gtatatggaa tgggttgatg tataggtact 240
 tgccactgca gatgcagtct tcaggaaaac gtattagatt cctcactgac catcgatgaa 300
 agaatgaaca ttatatgatt gacgtcttcc aaattctcat tgcgcggact cacagcagta 360
 cgggtaatca aggatagggt atctctcagt aaaaataaca atctccgcag cagaaacagc 420
 aggcatatgt atatatacac atcacttcgc ggcaggagtc gtcgccgtgg ctgccctgt 480
 cgccgcgtcc tctgcagccc tcagtgaagc ctccagttca tcaagccgtc ttgccatgtc 540
 gtcaactgcc atgaaattca attgaagtca gatatagcca acccgcaaac tggcagaata 600
 ggacaactca cacttcccaa acatttcccg agacacggta tcgaatttat gctgcaactg 660
 gtcgagcagt tcactctacg ctgccgtgaa ttggccttga acgtctgtac tctgtagttg 720
 ggcgaggat cagtctgac agctccatac gtagcatgtc agagaacttc aaaccggttg 780
 ttgagttggg gctgaaggag agagatctgt tgtccccgta ggtgtagaat cttggtttgc 840
 agacattgat tcgggggttg ggcggcagc taatgttact gtagataggg gatctcgcac 900
 gattaagacc tggaatatac tgaacagcgt gcaataccta gtgcagctcc agggaccgct 960
 ccgttatcga taaagctgcc ggaggaataa tcttccttga atcaccatac cgcacggtg 1020
 ctagtctatg tgcagctcaa aaaaattagt ggattgatac ttcggctctc atacaaacat 1080
 acaatcaagc gccgccttac tctattttgc gccttttaga attaggttga aaatgccgaa 1140
 aagaagtaaa ttgctccagg ctctcgatga gcacaaggga agggactatg acgccgagaa 1200
 gcagaagaag ttactcaagg cctgcaaaaa gaggaagggc ttgaccggga aggaagaaga 1260
 gaaggtttgt tgttctccca catttttaga tttaaattct cgagtagttg ctgattaaat 1320
 tatcagttaa aggaggagtc ggtcaaagac aagaagactg aggaatctgc atctgaatct 1380
 gaggaggaag aggacaagga agagagcaca aacgccgccg agggcgaaac ctcacaaaat 1440
 gacgctgctg atgacgccga agacgatgaa gaggctgagg acgaagatga agaggaggaa 1500
 gaggaagaag acatccctct ctcagacctt tctgacgacg aacgcgaaga cgtaatcccg 1560
 caccaacgcc tcacaatcaa caactcgacc gccatcctcg cctcaacaaa acgcatctct 1620

ttcattagcc atttaacgcc cttctccgaa cacaactctt tgatcagcaa ggctgaagac 1680
 gagatggata ttccagacgc gaacgacgac ttgaatcgcg agctgtcggt ctacaagact 1740
 gcgcagacag cggcctacac ggcgcggaaa ctctgaaaa aggagggtgt cccgttcaca 1800
 aggcctggcg attactttgc agaaatggtc aagagcgacg agcatatggg caagattaag 1860
 aagaagcttt atgatgaggc cgcaagcaag aaggctgctg cggaggcaag gaagcagcgc 1920
 gatttgaaga agttcggaaa gcagggtgcag gttgctaaat tgcagcagcg cgctaaggaa 1980
 aagaaggagg ccattgagag gattaatgat ttgaagaaga gtgcgtccta cgttcttagg 2040
 attcttaaga tggctgtgct aatgacttcc acagagcgaa agaatgatac atccggccaa 2100
 gacggcg 2107

<210> 20220
 <211> 2109
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20220

cgctgtggcg acataaacac caaatcctat ctgctgctct caactgggtc aaacatccgc 60
 cccggtaaga tccccacctc ccagaatagg gcttctatct ggaccatgct gaacgaatca 120
 gatggctcctt tggaggtaat cggctgcagt taaaggcgga agataaaatt ctacgcatg 180
 ttgtaaccgc tttgacaaaa gtgtctgggtg tgggttgcaa caccgatgg ccttacctt 240
 cacttcaggc gcaacaagat cttctccaag ttcttttggg aaacgagagg acaaggctca 300
 gggtttggtt gtatccgctg gaacctgacc gaaagcataa cctactcaa ttcagcaagc 360
 atctcacgga ggggtggtttc tttcccttcc ccttcgtagc cacgttctaa gaattcctct 420
 aggagaatat gctgccggct gcttgggctg agagcccagg tttagcaatc cagcttgcca 480
 cacgtttccc gtctggaaag ctacgaatg aaatccggag actacttctt agctttcctg 540
 agaaggccat tgatgagcct agtagtcttg agattatggt tggatcagcg ctaccagccg 600
 acgtttcctc tcaacttaag gttagtcata tggatacctc ctgggtggtt gaactgacaa 660
 ccataagtat ctgctgtact gggcccccggt caatcctatc gaaggcttaa cttatttctt 720
 gccccgtacg gcaaccatcc gttcatcttg caatatgcca tgaaggcctt ggagagtcac 780
 tcccttgacg ttcgattcta ctctgtccca cagcttggtc aggctctccg atatgatgcc 840

ctaggttatg tcgagcggta catcctcgaa acggcgaagc agtctcaatt gtttgacat 900
caagtgattt ggaacatgaa ggcgaattcc tataaagatg aggattctca gatagtaagt 960
gacaacagca actaatgacg gaaatagact gacacgaaca gccggacccc ctcaagccaa 1020
ccctggatcg attcatggac accttgatta caagtttcag tgacgatgag cgcgacttct 1080
atcaaagaga attctctttc ttcaacgaga ttactggtat ctctggaaaa cttcgcccat 1140
acatcaagaa gagcaagcct gaaaagaagg aaaagattga ggaagagctt cgtaaaatca 1200
aagttgaagt tggcgtttat cttcccagca acccagacgg cgttgtggtt ggaatcgatc 1260
gcaagtcagg gaagcctcta caaagccacg caaaggcgcc ttatttgga actttcagaa 1320
ttcagaagac gcgaaccaca agcctgccat cgaacgagct ggtccaatcc tcgcatcatc 1380
atcaatcgga cgcgcaccag gaaacctacg aggtctggca gtgggccatc tttaaagtcg 1440
gagacgactg ccgtcaagat atgctagctt tgcaaagat agccgccttc cgaagtatat 1500
ttgccagcat tggctctgac gtctgggtat tccataaccg ggtgacttca acagcaccag 1560
gatgtggggt cattgatgtg ctgccaaact ctatttcacg ggatatgctg ggccgcgaag 1620
cagtcaacgg gctatatgac tactttgttt ccaagtatgg gggagaagat tcaatccagt 1680
tccaggaagc ccgaacaaac ttctgcaaaa gcatggccgc gtattctgtc atttcctact 1740
tgatgcagtt caaggatcgg cacaatggca acatcatggt tgatgatgct ggccacatta 1800
ttcatatcga tttcgggttc tgctttgata tcgcgcccgg cgggtgtacgc ttcgaacgtg 1860
cgccattcaa actcacatcg gaaatggtgg ccgtgatgag tggcactcca cattcctcta 1920
gcagtggaag tcacaatccc acacagactc agccatatcg atggttcgag tctttggtcg 1980
taaaggcggt tttagcgtct aggcgtata gcaccaaact gtcgcacatt gtgtcgttga 2040
tgtagacag cggcctacca tgcttcaaac ctgagacgct gaaacacttc cgtgatcgat 2100
tcgtcctcg 2109

<210> 20221
<211> 2113
<212> DNA
<213> *Aspergillus nidulans*

<400> 20221

ttacactttg ttggaaaata tttaggctgc gttgctgatg ttttcgcagt acctctaaag 60

catttgtgaa gaagaaggct gctcttacct tccttcgctt atatcgaaaa taccctagca 120
ttgtgcagaa tcagtgggcg gagcgcataa tatctttgat ggacgatcca gacatgggcg 180
ttacactctc agttacgtcg ttggtcattg ccttggcaca agataggcca gaggaatacc 240
gagggagcta tgtcaaagct gcccacgct taaagaggat cgtcgttgat aacgacattg 300
cgccggacta tctttactat cgagtaccct gcccggtggc tcagggttaa ctgctacggc 360
tggtacagta ttatcctcca tcgggtaaat caacttcttt cgcgccctga tgatgcgagc 420
taatgcaacg caggggatag ccatgtccgt gatattatc gtgaatcact gcagcagata 480
atgcagattg cgatggacac gccgaagaac gtgcagcaga acaatgcca gaatgctgtg 540
ctctttgagg cgatcaatct cctcatccac cttgacactg aacacaccct gatgatgcaa 600
atctcctcgc gacttgggaa atatatccaa tcccgcgaga caaacgtacg ctatcttggg 660
ctagaagcta tgacgcactt tgcagccagg gccgaaaccc ttgatccgat caagaagcat 720
caaaacatta tcttgggttc actacgagac agggatatca gcgtgcgtcg aaaaggtctt 780
gacctggtct acagcatgtg cgacagcaca aacgccgcgc ctattgtgaa cgaactgatg 840
cgataccttc agtccgctga ctatgcgata cgtgaagaaa tggctcctgaa agtcgctatt 900
cttactgaga agtatgccac tgatgccag tggatatcgc atgtcacgct gaagctgttg 960
tctcttgctg gtgaccatgt taacgacgaa gtatggcagc gaggattca aatcgtgacg 1020
aacaacgagg aactgcaggc gtacgccgcc cagacgcttc ttacctattt gaagagtgc 1080
tgtcacgaga gtctggtcaa gattggctgt tatgttcttg gagaattcgg acatctaata 1140
gctgataatc aaggctcaag cccgatcgaa caattcctcg cctgcaagc taaaatgatg 1200
acgagtacag acaacacacg tgccatgata ctgtcttctt ttgtcaaatt cgtcaacctg 1260
ttcccgaaa tcaaaccaca gcttctacac atcttccgac tgtatagcca ctaccagat 1320
ccagaactac agcaacgcgc attogaatat ctgtcgctgg cgacacttcc aactgacgat 1380
cttctgcgaa cggatgtga tgaaatgcct ccgttctctg agagagcttc gatattattg 1440
tctcgtctcc atcagaagac ggccggcaca acggataaaa agacctgggt tgtgggaggc 1500
aaggacgcga attcggacgg agcggaaatt ttgatggcac aaaacacagg tctcaagcgg 1560
tcattcacta cgattgttca cggtagatca acaggaacca acggaactgc tacttcaagc 1620
gcgacaggcg acttggccgg actagacctg agtgcgccga caccaccgcc accttctacg 1680

aacatggcta gcgcggcaaa cctgtctccc gattgggaaa ttggatacaa caggctgtac 1740
 ttctcggacg aaggcgtact gtttcaggat gcacaaatcc aagtcggctt gcggtcggaa 1800
 ttccggggtc atttgggtgt gctgaagctc tacataagca acagatcttc tttccccatc 1860
 ggatcgctga cgacgactgt gacaacccat ccgccccgca tctcaggatc gattcgaaga 1920
 gccttcgga gccttcagtt ccggcgtctg gtcaaacaca gcagaccctg ttcttcgagg 1980
 ccaaagggcc gttctctaag gcgcctacaa tccgtatttc gtatcttgca ggcgattgc 2040
 aggcttacac attgcaactc ccgatcctga tgcacgcta cttagagccc tccactctca 2100
 cgctgaaga ttt 2113

<210> 20222
 <211> 2114
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20222

actatgcagt acactccatt tgcctcagat atagagctgc cgttctatat tgccctggct 60
 tctctcaaga taaatcatga caagctcgat gattccgcgc gcaaagttct gggcctgtac 120
 gagttacgcc cgtcagacgc tcccaacgcc tcgtgcagga ttcaaataca tgggaatgcc 180
 ctactagcg acgagtgagc ccaagaccct cttatagcat agtatctaga cgtttgcctg 240
 acctagctac ttacagagt tccgtctact tattaccgag cggaaggcat gataaaaaat 300
 gttaatacta ttgaggagta cggaaggcc gataaaatgg gcatgctcca acagtctgga 360
 gaaacggtca gtctagtggc ggtcaaaaac gtcctcaccg tataataacg ctgcggttct 420
 agatatggaa tgctatcaac aacggcacta tctactcatg tccatctctg ctgtccgcct 480
 tcgtcatcct ctcttacgct gacctcaaaa aatacaagtt ccattactgg ttcgcattcc 540
 ctgcattca ctacagaccg tcttggaacc cactggagga gggatgagag ggagcgcaag 600
 cacatcgact tcccagtgt gagagttctg cactcgcccg ttcggtacaa gagggggtc 660
 gcgttgtaga tgcgcgcaa cgaggttttt tcctagcacg aagggttaagg atgcgggatg 720
 atgatactgt ctctggaaa atcgcatccc tgtcaagcta cgaggacggg tttttcaaac 780
 acgcggaatt tgcgattgc ttacctgtt ttgtcgatcc ctcaactat gaagaggccc 840
 ctggctggat gctccgaat ctgctcgttc tcgtgaagcg aagatgggga cttacaaagg 900

ttcagatatt acgctaccgg gatggaccat ccccgcggtga ctgcggggcgg agtattgtgg 960
 tgactctacg actgaagaca tcacagcttc ccgatggggg ggtaaggat gaccgtatgc 1020
 ctaaggtgac gggatgggag cgtaaccctg ctggtaaact gacgggaaga attgttgatc 1080
 tcacggaaca gctagatccc aagaggtaca attacaccgg acagtttact tcggcacaat 1140
 gctgactcta ctattactaa gactagctga ccagtctgtt gacctcaacc tcaaactcat 1200
 gaaatggcgg atcagcccgga atcttgatct cgagaaaatc aaaggcacga aatgccttct 1260
 acttgagct ggaacccttg gaagttacgt tgctcgaaat ttgatgggtgc gaatttcaat 1320
 cgaactcgca tttgcgtgct ttgctaatat cgttaggctt ggggggtaag gaagataaca 1380
 ttcgtagata atgggtccgt gtctttttca aaccgggtga ggcgcctct cttcaacttt 1440
 gcggactgtc tagacggcgg cgcaagaaa gcctaccgag cgtcccaggc tctgtcggag 1500
 atctaccag gcgtggaatc cgtcggccat gtactagccg tccctatggc aggtcacctc 1560
 gtattggacg cggaaaaaac aaaggcggat ttcgaggtcc taaaagggt tatagatgct 1620
 catgacgtta tcattctttt gatggatacg cgcaatcac gttggctacc aactgtgatg 1680
 ggtaaagcgg caggtaaaat cgttatgaat gcagcattgg gattcgacac cttcgttgta 1740
 atgcgccatg gcgtcacaaa caacgaacac cctgaggagg agcttgggtg ttatttttgc 1800
 aacgatgttg tggcccccac gaatgtgagt ttttgccttg ggcttcgtga cacccttgc 1860
 taatttgga taaagtcca gaaagaccag acgctcgacc agcagtgcac tgtcactcga 1920
 cctggagtag ctgccattgc atcggttcta ttggtcgaat tgctagtctc gcttcttcag 1980
 caccgcttg gggctgccgc aggtgcccc caaacccga ataactca aaatgatcat 2040
 cctctcgggg tcatcccgca tcaaatacga gggttcctat ccacatttga aaacgtctct 2100
 gtggtagggtc gaag 2114

<210> 20223
 <211> 2114
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20223

gcaaacctgg atttgcaccg agagctaggt cttcgtgccca tcaaaggctg cggctcttac 60
 cctcagttcc tggagggtcca gagtgcacgc accagcaaaa ccaggatcct agacataacc 120

ggcaccgtac tctctgacac tacagggcgac ggagaacggc cggagatatc gcggaacgcg 180
 ctcatlcagc ttcttctcga gtctatcccg gaggagcgca tccggtggaa caccaaggtg 240
 etcgacatca caccagcaaa ttgcagcagg agtaaaggaa aagagtgtct ccggttctact 300
 gacacgagca ttgccaccac cccgatatca gaagagatat acgatctgat cgttggcgca 360
 gacggtgcct ggtcacggat tcgcgctgcg attccaaacg cccccaagcc aatctacagt 420
 ggcgtctgct atatgacaat gtatctccgt atctcgcgag agcagtatcc ggacatggac 480
 aatatgatag gcagtggcac gtttgccgtg gttggggaca acaagctgct tcttgcgag 540
 cgggcaatcc acggtacctt gcgggtctgt ctgtttctgc attccaaatg cctggctgca 600
 gtacgaaagg agctactagc gtccatgcac aaccataaca ctggaccgtg tctctctctc 660
 aaccggagc acctgataaa ttctctccca tccaatccca aaacgctaca agagctctctc 720
 ttgacgcacg acgatttctt tgcaagctgg tcagaagata tcaagcgctt gttgaggata 780
 gcctttgagt cccaggtggc ggacgccgaa atcatcacia ggccaatgta catgctgcct 840
 ctggtgccgt atccgtacgc acatcacggc gggatcgcgc acgtcggaga cgcggccagt 900
 ctgatgacct cgtttgccgg tagaggcgtc aatgtggcca tggcagatag cctggacctt 960
 gctgaggaac tggaacgtct ccacttggtg actgtgtctt catctgcgtc gacgcctgca 1020
 gcgatattcg ccgataaact ggagggcgcc ttgagtgtct atgagcggac ggcataatcg 1080
 cgcgcaaagg acgcaatgga gctgacgtgg cgcaatctct gcctctcgtt tagtgagaag 1140
 gcgtcggacc tatttgctgc agtgatggct agctaactat ggcagtacct ctgcatgagg 1200
 tctgcatgca ggtctgatat aggagatggt tacagcgttt tattggggag aaaatgacaa 1260
 caatgaagct agcctgtagc atttgctcag ttgctcaatt ctgacagtag aacaaagatg 1320
 tgatggaaag tatttactac agatcttctt gcctaacaat gctgcacgga cccgacgcac 1380
 gggcagttcg tcccactcac tgtccaccac acttgggtgt cccagaatc caccgctttt 1440
 tttgatgca tttcacctcg gcagatcccg ctgccgacct tgcagtattt tctgaattg 1500
 gttactccca actgcaaagg agaagagggg agggagggtta cgagagcgag aaaaataatt 1560
 aatgattaa tactgctaata cagaaaatat tataattgaa ttgattgtta acatttatag 1620
 ataggtgtgg gttgccagtg catgaaacaa cctttaataa agggaatatc atgtcttgat 1680
 gaatacagtg taatcatttt gcagccttgc cctgagctgt cctgagctat cacagaggtt 1740

gacgttttgg gtatagccaa aactatactg gtctagtaga gggaaagaga gcaaccacac 1800
 aagccaagga gcatctgac tagacgatat ttctatgaac atatttatct tagcatatgt 1860
 ttgtaggacg tcttgctgtt acacttggtt aagcgggggt tggggcgggt ttctgacat 1920
 gcctaaactg cccgctgctt aaaatatgta ataccaatcc aaccgaata aatcgggtcaa 1980
 cccaatatg tagatatagc ctgttgaagc agggacttac accttatagt cacacagcaa 2040
 cattttcagc tggataatgc atgtctagaa ggtgcaaaaa cagtcagtag gtgcgcatga 2100
 ttggctattt ttga 2114

<210> 20224
 <211> 2115
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20224
 tgctgttgtc ctgcggtgc tcttggcggg tagcattgcc tacttcacca agggcacctt 60
 ctgggctgtc gctaaagatc cctatgcgtc ttccggaccg gccatgaacg gcgtggccaa 120
 ggctggcaag tctcgcaaca taattgagaa aatggacgaa actggcaaaa actgtgttat 180
 cttttacgga tcccaaactg gaacggcaga ggactatgcc tcgagattgg caaaggaagg 240
 atctcagcga ttcggcctca agacaatggt ggccgacatc gaagagtacg actacgagaa 300
 tctggaccag tttcccgaag acaagggtgc gttttttgtt ctggctactt atggagaggg 360
 tgagcctacc gataacgctg tcgaattcta tcagttcatc actggcgacg acgtgagttt 420
 cgagggtggt ggctccgctg aggataagcc gctgtcctcc ctcaagtatg tcgctttcgg 480
 tctgggtaat aacacgtatg agcactacaa cgccatggtt cgccaagtgg acgctgcctt 540
 gactaaactc ggtgcgcaac gaattggctc cgctggagag ggtgatgatg gcgctgggtac 600
 aatggaagaa gacttcttgg catggaagga acctatgtgg gctgcgcttt ctgaggctat 660
 gaacttgcag gagcgcgagg cctcttatga accggttttc tgtgttacgg aagacgaatc 720
 attgacccca gaggacaact ccgtttacct cggtgagcct accaagggaac atcttgaagg 780
 ccaaccaaac ggtccttact ctgcgcacaa cccctacatc gcaccattg ttgaatctcg 840
 tgagctgttc accgtcaaag accgcaactg cttgcacatg gaaattagca tcgctggaac 900
 caacctcact tatcaaactg gagaccatat tgccatttgg cccaccaacg caggcgcaga 960

ggtggatcgg ttcctgaatg tctttggtct tgaggagaag cgtcactcgg tcatcaatat 1020
 taaggaatc gatgttaccg ccaaagtcc tatccctacg cctaccacct atgatgccgc 1080
 cgtccgttac tacatggaag tctgtgctcc tgtttctcgt cagttcgtct cgactctggc 1140
 tgcttttgcc cccgatgagg agactaagac ggaaattgta cgctgggta gcgataagga 1200
 ttacttccat gaaaagatca ccaatcagtg tttcaacatc gctcaggctc tgcagagcat 1260
 cacctctaag cctttctcca atgtcccggt ctccctgctc attgagggtt tgaacaagat 1320
 ccagcctcgt tattactcga tctcctcgtc ttctctcgtc caaaaggaca agattagcat 1380
 caccgcagtt gtggagtcta cccgcttgcc cggggctacc catattgtta aaggcgtgac 1440
 tacgaactat ctccctgcac tgaagcagaa gcaaacgggt gacccttcgc ctgacctca 1500
 tggccagacg tatgcgatta acggcccgcg caacaagtac gatgggtattc atgttcccg 1560
 tcatgtcaga cattccaact tcaagctgcc ttctgatcct tcgctccta tcatcatgat 1620
 tgggtcccggt actggcgctc ctcccttccg tggtttcatt caagaacgag ctgctctggc 1680
 tgcccggtgt gagaaggtg gtccaactgt cttgttcttt ggctgccgca agcgcgacga 1740
 agatttccta tacaaggatg aatggaaggt atgtaatctt gaaacgagga attttttctt 1800
 tgagccgttc taacaacgat gtttgctata ggttttccag gaccaacttg gtgacagcct 1860
 gaagattatc actgccttct cccgcgaatc ggagaagaag gtttacgtcc agcaccggct 1920
 taaggaacat gccgagcttg tcagtgatct gctcaagcaa aaggcgacat tctatgtttg 1980
 cggtgacgct gcgaacatgg ctcgcgaggt taaccttggt ctaggtcaaa ttatcgcggc 2040
 tcagcgtggt ctgcccgcgc agaagggaga ggagatggtg aagcatatgc gtagcagtggt 2100
 cagctaccag gagga 2115

<210> 20225
 <211> 2117
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20225

tccgatagcg acgaaagcga tcaacagtcc ggacagccgt acaatgaatt gcttcaattg 60
 ctgcaagcga aaacggacag caaaggcccg gcgcgcaaga agcggaac aagccatcaa 120
 aataaagagg gtaccgagga ggctgaaaat gttgctgaaa tgaccgcggt tgaagaaggc 180

gaggaacccc tggacgccga gctgcagcag caggaaccgg acgaagaagg tgacttggaa 240
gacggcgatg tggatgcaca agaagacagt gacgacgagg agagtggtaa gtgaaactct 300
tgtgtctagt ggaccaactt ctaacttggc aggaaatgaa cctttcgagt cgcacttctc 360
tagcccagat gagagcgaac tgtctcagaa gatcaaggct gcatcagaga ataagtggaa 420
aatgcaaag aaggagcttc ctgggggatt gaaaatctgg cgtgcaattc cagactgcgg 480
gcaagatgac gtgcctttgc tcgcagcgat gaaaagcatg tcaagtgtga aggtgagtat 540
ttcaaccatt gtctgttcgt cttagctgac acaagtcagg tcaagaggaa gctcaagtca 600
gctgtgaccg aacgtattcc aagcctcagc ggaaatgtcc aacaggtatc tccctacatc 660
ttcgactacc aggatgtctt atacggcgct cgaacaacgt cagaatctgc cgacatgaga 720
gacatgctag cgggtgcacgc tacgaaccat gtactcaaga cgcgggatcg tgtgtcgaag 780
aacaatgctc gtgtggcgaa ggaacaagat ggcgacctcg aactacgcga tcaaggcttc 840
accaggccga aagttctgta cctcctgccg acgaggcagg cctgtgttcg ggtagtcgaa 900
tctattacgc ggttcttcca gccagaacag caagagaaca agaaacgggt cattgacgcc 960
ttttctgcat cagatgacct gtccctgggag gataaaccgc aggatttccg tgagcttttt 1020
ggcgggaacg atgacgatat gtccgaatc ggtctcaagt ttacacggaa gacgtcaag 1080
ttctttactc aattctatac ctgggacttg attcttgcca gtccgctggg cctgcgaacc 1140
atcatggatc aggcagagta cgtctcctag tacaggattt cagctgggta ctgacatttg 1200
cagtgtcaaa aaacgagacc acgacttctt atcctccgtc gaagtgggta tcgttgacca 1260
tactgatgca ctacttatgc aaaactggga ccatgtttcc tacattttga agcacctcaa 1320
tcttcagccg aaggaagctc acggctgcga cttcagtcgc gttcgaacat ggtacttgga 1380
caacaatgct cgatatgtcc gacagctgat cctactctcc tcttcatta cccccgagat 1440
caactccgtc ttctcgacac acatgcacaa tgtctttgga aagggttaaat tgaaccctat 1500
ctataacgga gccattgcag agctgccgt cctgttccc gtgaagcaga ccttcacccg 1560
cttcgactgc ctctcaccaa ccaaagaccc agatgctcga ttcaagcact tcaccaccac 1620
cattctatcc actttagtag gcaacatcac taccagccgc aacagagcca gcgcaggggg 1680
cactcttate tttattccgt cctacctcga tttcgtccgc ctgcgcaact actttgccac 1740
atcccagcaa acgaccaacg tctcctttgg agcgatatcc gaatacaccg aaccccgga 1800

aatcagccgc gcacggtctt atttcatgac tggccggcag tcggtgttgc tctacaccga 1860
acgactgcat catttccgac gtttccggat tcgtggggtc aagcggatca ttatgtacgg 1920
tatgcccgat aaccgatct tctggggcga gattgtgggt ttcctaggcc tggaccggc 1980
cggcgttgtt gaggctgctg agggaggagt tcgcgcgttg ttctccaagt acgatgcgtt 2040
gaagctggag cgcattgttg ggacgaagag ggtggggaat atgttgcgcg agaagggtag 2100
tgatacattt actttca 2117

<210> 20226
<211> 2118
<212> DNA
<213> Aspergillus nidulans

<400> 20226

ggcaactatg cagtacactc catttgctc agatatagag ctgccgttct atattgccct 60
ggcttctctc aagataaatc atgacaagct cgatgattcc gcgcgcaaag ttctgggcct 120
gtacgagtta cggccgtcag acgctcccaa cgctcgtgc aggattcaaa tacatgggaa 180
tgccctcact agcgacgagt gagcccaaga ccctcttata gcatagtatc tagacgtttg 240
cctgacctag ctactttaca gagttccgtc tacttattac cgagcggaag gcatgataaa 300
aaatgttaat actattgagg agtacgcgaa ggccgataaa atgggcatgc tccaacagtc 360
tgagaaaacg gtcagtctag tgggggtcaa aaacgtcctc accgtataat aacgctgcgg 420
ttctagatat ggaatgctat caacaacggc actatctact catgtccatc tctgctgtcc 480
gccttcgtca tcctctctta cgctgacctc aaaaaataca agttccatta ctggttogca 540
ttccctgcac ttactcaga ccgctcttg accccactgg aggagggatg cgagggagcg 600
caagcacatc gacttcccag tgtagagagt tctgcactcg ccggttcggt acaagagtgg 660
gctcgcgttg tagatgcgcc gcaacgaggt ttttccctag cacgaagggt aaggatgcgg 720
gatgatgata ctgtctctg gaaaatcgca tcctgtcaa gctacgagga cgggtttttc 780
aaacacgcgg aatttgcgga ttgctttacc tgttttgtcg atccctcaa ctatgaagag 840
gccctgggt ggatgctcg aaatctgtc gttctcgtga agcgaagatg gggacttaca 900
aaggttcaga tattacgta ccgggatgga ccatccccgc gtgactgcgg gcggagtatt 960
gtggtgactc tacgactgaa gacatcacag cttcccgatg ggggggttaa ggatgacct 1020

atgcctaagg tgacgggatg ggagcgtaac ccgtctggta aactgacggg aagaattggt 1080
 gatctcacgg aacagctaga tcccaagagg tacaattaca ccggacagtt tacttcggca 1140
 caatgctgac tctactatta ctaagactag ctgaccagtc tgttgacctc aacctcaaac 1200
 tcatgaaatg gcggatcagc ccgaatcttg atctcgagaa aatcaaaggc acgaaatgcc 1260
 ttctacttgg agctggaacc cttggaagtt acgttgctcg aaatttgatg gtgcgaattt 1320
 caatcgaact cgcatttgcg tgctttgcta atatcgttag gcttgggggg taaggaagat 1380
 aacattcgta gataatgggt ccgtgtcttt ttcaaaccgc gtgaggcagc ctctcttcaa 1440
 ctttgccgac tgtctagacg gcggcgcgaa gaaagcctac cgagcgtccc aggctctgtc 1500
 ggagatctac ccaggcgtgg aatccgtcgg ccatgtacta gccgtcccta tggcaggcca 1560
 ccctgtattg gacgcggaaa aaacaaaggc ggatttcgag gtcctaaaag ggcttataga 1620
 tgctcatgac gttatcattc ttttgatgga tacgcgcgaa tcacgttggc taccaactgt 1680
 gatgggtaaa gcggcaggta aaatcgttat gaatgcagca ttgggattcg acaccttcgt 1740
 tgtaatgcgc catggcgcca caaacaacga acacctgag gaggagcttg ggtgttattt 1800
 ttgcaacgat gttgtggccc ccatgaatgt gagtttttgc ttggggcttc gtgacacccc 1860
 ttgctaattt ggcataaagt ccagaaaga ccagacgctc gaccagcagt gcaactgtcac 1920
 tcgacctgga gtagctgcca ttgcatcggc ttatttggtc gaattgctag tctogcttct 1980
 tcagaccccg cttggggctg ccgcagggtc cccccaacc ccgaataaca ctcaaatga 2040
 tcatcctctc ggggtcatcc cgcacaaat cagagggttc ctatccacat ttgaaaacgt 2100
 ctctgtggta ggtcgaag 2118

<210> 20227
 <211> 2135
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20227

gccgaagcct tgcagcctca ccttaacaca acaatccagg cttggtaccg ggtgcagaac 60
 ttagtcaaata acggggaaat tgagattgat ggcaataggc tagatatacc cggcgtggta 120
 gcagtggcct ggtcagtgga gcaaatttct cagatcttct tcaagctcat gttcatagtc 180
 ataattgcat acccaagatc accgaggacc cagctgtctt agagaacatt gatgccagta 240

taaggttact aaaagaccgc ctcaatcaag gctatagcgt ctatgggtgtg tgtattcttg 300
 catagttagg ccatatactt accggtatac aggagtcaat accgggttctg gtgggagcgc 360
 agactcaagg acagacaaaa tgaccgctct tcaatctgca ctgttgacgc tgacgcaggc 420
 cggcgctctc ttagagtcag ataaaagtgg caacccaaaac aagctgctgg agtcacacgc 480
 catgcctgct tcttgggtcc ggggtacaat gctggcccgt tgcaactcaa atctccgtgg 540
 acattccgcc gtcaaaacttt ctatactgca atcgattgtt aaactgctac agcatcggat 600
 cactccaatt gttcctctcc gaggtcttat atctgcgtcg ggagatttga tgccgttatc 660
 atacattgcg ggagcgatag aggggaaccc agacgtgtac gttcaagttg acggcctcga 720
 catgcctcgg atcatgaagt ctatcgaagg gctacagtac gcgggcttgg aagctcagaa 780
 gctcgccccg aaagaagggc taggtctgat aaatggaact tcaacgtcgg cagcagtggc 840
 tagtttagta ctgtatgaaa ccaatcagtt gtctgtactc gtgcaagcgc tatcagcgat 900
 gggccttgaa gccctcacgg cacagcagaa agctaccacc cttttatttc ggctgtccgg 960
 cctcacgatg ggcaggttga gtgcgcaaat aacttacttt ccttgctccg aggcctcaaag 1020
 ctggtacagg gtctagatgg ccagaagttt caggaccgcc caggcctcat tcaggaccgg 1080
 tacgccctac gctgtgtacc ccagtgggtc gggcctcagc tggaagatct ccttctcgcc 1140
 catcgacaag ttaccactga gctcaattcg acatgcgaca atccgctcgt ggatgtaaag 1200
 tctaagtcaa tctattctgg tggcaatttt caggcagttc cgataacttc agccatggag 1260
 aaaacaaggc agtgcttgca gatgtttggc agacttattt tctcccaagc gacggaaatg 1320
 attgatccca gtatcaataa cggccttccc actaatctcg tcgccgatga tccaagctta 1380
 tcatttacca tgaaaggggt ggatatcagc atggcttcat acatggccga gctgggctat 1440
 ttgtcgaatc ccgtgagctc gcatgtccag tcagcggaga tgcgcaacca agctataaac 1500
 tccatggcgt tggatatcagc tcggtacagt atgcaagccg tggaagtgtc gtccctgatg 1560
 tgcgcttgcg acgtgtatat ctgctgtcaa gctcttgacc tccgctcct tcataatact 1620
 ttcttgagaga aagcgatacc ccagctgcac tctgttacag agagagttct gtcgccgttt 1680
 ctgccccagc cagcgcttga ggacttgaac agatctcttg accagcatct gaccagacc 1740
 tggccgatga cgaatcgctt cagtctgtct gatcgagtgc acacggtaat tgagaaagcc 1800
 atacctgttc tcctggaaaa cctcaaaagc caccgtggtc ccagcttggg cgacttgga 1860

acgtggaaat cacaggcacg caacttactc aacgttgtat accaggaaat tgccgagtca 1920
 ttcttcgtga aaccacacac cgctgattac ctcggcgagg gggctaaggc cttatatgtg 1980
 atggtccgac aagaacttgg tatcccgttt caccagggct tcattgaaca tcctactgtt 2040
 gaaaacgaaa tcttgaacgg cgcctctaag aaaacaactg gatcgtggat atcgatcata 2100
 tacgaggcga ttcgtgacag cgccttatg ggccc 2135

<210> 20228
 <211> 2137
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20228

ggtttgacc cgcccatctg tatatcacgt gattgttacg ctttgaggca acatctgggc 60
 aattgagttt atgacctcaa cttctctcgt tcaatatcaa ccctggagaa gggaaagccc 120
 tagactcctg aactcctttg cctgggagtc gtcctgtttt ggtcagctac tagtcggaac 180
 attgttcacc tgctggacat cagcactatt accagaaatg gataaactca tcacgaactc 240
 aacttgaatc gagcaattag gtgcctcttg gaagaattca agccccaata tctgcagcgg 300
 ccaatttgct gccgttgaat gtttggaatc tgcgcagtgt gcaatgctg aagagatcaa 360
 tcgccctctc gaggcattgg cactatgcaa ctgcactcgc agcaaccgaa gcaaggggct 420
 ctcccaggg gctgcacctt ttgattgccc ggcgcaaccg ctttattgaa tcgaagcatc 480
 gtgacgctat ccagtggtt cctctagggg tctccctctt gattcgcgct ctttctgcat 540
 gtctcattgc ttctgtgatg acgatatgca gagaccctga gatgcacatc gccacgttt 600
 ctatgcagct ctttgcccaa tgggctgaga tcacttgcca attactcaat cccacctttc 660
 tctggaatgc aaggacagtg gagagtggc cttcacgggt cactcatgtt ccaaaattcc 720
 tttggaaggg ggcgttgagc atgcctgatg tttggcggtc tgtcagcaca aggccgtcag 780
 ggactcaagg gatttttgct aatatcgacc gtttcgtagt ataaggcttc ttcggtcgca 840
 tctacgttcg ttgaccgaa atttctctac ttcgggtttc gtctctatct tacgcactta 900
 ctgttcgagc atttaactga ccttatatac ttaatatcat tgacttgctg tgaattcgcc 960
 atgtectcaa tggactacga aatagccaac ccacatacca ggccttatta tggccatcag 1020
 cgtcatcata ctgtgaatgc tagcccagtc ccggcatatg taaacagaag tgttccaacc 1080

tatagtctca tgaaccagga gcagatgcct cagcctaata gcctagcttc tccacgacac 1140
tcaccaata ttcagccttg gaagcggcac agccacaaag ctctctttca ttcattccctt 1200
cgacatctcc gcgctttgaa caatccgaat atacaatgtc acagtccaga cgcccattgg 1260
accgcggcac cgcttgatc tcgcccttcc gttccgtgcg caaaatgaaa gagcctttcc 1320
aacttcgtct gccagcatca ccatctgttg ataacagttc actcgctcct ggcgagtctc 1380
gagtgacttc tcgccctact gaaacccgga cgttgcgacc atggcgggtca gagcagaatc 1440
tcgttgcgtc tggcctagac acattcgggc ttctcccaag cccgccgcta tctgactcgc 1500
aaccgtctca agcatcacct gcacgcacct acttctcttc caaatcgga tctgaaaccg 1560
aggccgaccg agaaacggac tgcagctgcc ttccacaagc agtatcatgc aaccactgca 1620
ccctcaaac tcccgcgacc gaagtatccg ttcagagccg caagtttgaa gcgactaatg 1680
tacacatggc gcactcaaca tttgtcaggc aatgtgagtt agtgaacggg caaatcactg 1740
cttcagcgat ggcttcggga tgcattgtcac cacctacgac ctgctcagat gtagactcgc 1800
tagggaagag gaacttctcc ggttcattctg cagcaacgca aaggagtaga tctggcacag 1860
tatccagtga gggcagttgg gttccaagca gcctttcata ttgtgaaaca tggcttcaag 1920
gcgcgcctat ggattctgca gaagatgaag ccggcaaadc tacaatctcg aatcgagaaa 1980
agtttcaaat tgtccagaaa agcccgtgg ttccagattg gaagcgtgca cataatgacg 2040
cggatgtgtt atttgccgtt cgtaaacatc atgctgtatt aaccctctat aaggtccttg 2100
cggtgaaaag taagatgaag ccgaagctgg ttgatat 2137

<210> 20229
<211> 2137
<212> DNA
<213> *Aspergillus nidulans*

<400> 20229

ttactggaaa ttcacaatga ggacaaaaca gccaatcaga tcgattccat tattatgatg 60
aggatcttgg cctgatctg caggctggct tcaagcttct ctagtgatat agtggcatga 120
ctccgtgtgt gcattaaaag ggcaagtccg tacttatatc tcatccctgc aggcaactgc 180
agttttctta cccctccttt tgtctctctt ttttcacatg actgcctaaa agattagtct 240
accacattgt agcttgatga aggagagttg atatcttcac cccttaatta gctgaccttt 300

ctacctgcag aagattaaag ttcaaacata cctcttcctt cctcacaaaa tgccactagc 360
cactttacgt gaacccgcta tcccgtgtc tgcggcctct tagccctcta cgttttaagg 420
gtgatcatga cgtatgcgca gctgatgcgc tttcagagtg accagcctgg acgggcatct 480
ccaactggcc tcatagtata gccatgcttc ggggcagttg ccacgagttt tatgcccagg 540
ctaataaaaa atatggtaca aggacctggc aaccgtgtct cccgatactg acagttctga 600
atcggggccag gcccaatcgc ccgagtcgcc cctcgagtgc tcatcacctc gtctccggag 660
gtttggatgc acgtcaacaa caagcctggc tacaagcgtt ccgattggta ctacaatgcc 720
gcgcgatttg aataccggaa agacaatgtc ttcagccaga cggataacgc gaagcatgag 780
tataggagga agcagatggc tccaggggta tttccacac tctctccggt tagacgcctg 840
ctgactcggg ctttgggtgc aagtattcgg gcagggagaa tactgacctt gaattttctg 900
tgataagca actgcagaac ctctggacc tcatccggc caaatatgtc tctctctggt 960
agcaggtgtt gccgatgaat ctagcaaaga aggtccagta ctttacgctc gacgtcatca 1020
gtagcgtcgg cctcggcaag gcattcggta tgctggaagc tgaccgagac gtcgatcaat 1080
acctccaatc gagcagatgaa ggtctcgcaa tcggcaatgc tgccctcggt ctgggcttca 1140
gcaacatcaa tcaagcggc ttcacggca aattctttgc acctcgccc aaggacaata 1200
acggatttgg gaggttgatg accacatgct tccgctttgt cgacgagcgc gccgcgagcg 1260
ctaccgataa acggtccgac atgctggcct ctttcatacg ccacggcttg tcaggcgagg 1320
aactgcgtac tgaggcgta gagcagatac tcgcgggctc cgacaccact gccggcgcca 1380
ttcgtggcac gctgctgcac ctcatgacaa atccccgggt ttacgtcaag ttgcaacggg 1440
agatcgatga tgccgtgcac cggggccttg ctccgtctgc tggacaaggc ctattaccg 1500
ccgcgcaggc taaacagctt ccatatctcc aagctgttat ccgcgaggcg ctacgggtct 1560
ggccacctgt gtcaaacatc tcccgcggt atgtgccccaa agacggcgac acagtcgtcg 1620
tcaatggcca gtccatattt ctccctgggt gtgtctgcat cgggtactcg gcatatgcca 1680
tgacccgag cgagaagata tacggtaagg acgcaaaggc ttttcggccg gagcgggtggc 1740
ttcttgaacc aaaccctacc aagttggctc tcatggttcg gaccaacgac cttatcttcg 1800
ggcacgggaa gttccagtgc ttaggaaaac cagtggccca ggttgagatt gggaagatga 1860
tatttgaggt gagctgaaac aggtcttagt gcgggcttgc tgccttctgg atgatacgct 1920

gactgtcgta gctcctgcgc aatttcgact tggcgcttct caacccgact catccctggg 1980
acgcgcggaa taatctgggt ctttttacca tctctaatat gtgggtgcaa gtgacggaac 2040
gaacggctgg tttgctgtga cctttaatac tgaaccccg gcgaacgcaaag gaactattgg 2100
cgagaagctg ccatgttaca ctgtagggga atgtttt 2137

<210> 20230
<211> 2137
<212> DNA
<213> *Aspergillus nidulans*

<400> 20230

gatgcgggac ggtaaggaac atcattattg agtaaccctt ggaggtgctg agagagcaca 60
catccctttc tgcaaaccac ttatacacac ctcaagtaaa cagcgagctg atatcagctt 120
ggtgcagcat tttgcaggcg ataaagatgt actgctgcaa ggatgtgac aagggccggaa 180
tcaaccttgg aagcccagcc cctttcctat atatcagctg agctcactcc cttatcgata 240
agctgttggg gtcccgcatc ctccgagccc tccgccacct tcgagcaaca ttcaacttct 300
tcaacatgga agagaggact gtgctgcgca aagaccaatt ggagatcagc ttgcacaacg 360
agaagaagct gattcaagaa ggaacgatag tcgatgacaa ccctctcgac ctgagcgagc 420
cgtttcggga actttgcgaa cgttgtcgca agggggatct taaagtttgt caagagaaga 480
ttactgaggg agtcaatatc aatgcacggg atccttatga ctatactccc ttgattttgg 540
tgggtgatac cctgtctgct tttctaataa taaaatctcg ccggggtagc tggaggcgta 600
actgacgatt caggcgagtc tgtgcgggca ctacgaagtc gccagctgc ttctggagtc 660
tggggctcta tgtgaaagag atacatttca gggagaaagg tatgtttgct ttacactgtg 720
cctgaatcgc cgccaagtaa tcactttcaa agatgtctgt ataatgcttt gaacgaccgt 780
atacgaaatc tgctcctcga atatgactat tcgaaatcga ccgaccctct ccagcctctt 840
gctgcccata tagcttcaact tcttgtgcga gatcaaccca aaacgtctga tatagaggtg 900
gatgcggggc atgagacttt gtatctgcat aaatttgtgc tcgctgctcg atcaccttac 960
tttcgtcaaa aactgaaggc tgctcctgag actacagcat ggaagcttcc cagtagcata 1020
ccaccacagg cttttggaac cgcgatcaag tacctgtatc tcggagagcc tccgagagat 1080
ttgaagagcg gtccagggac agggtttact gagtctgagg ttttcgccgg aatcaacaag 1140

atcgccaaat atctagaaat tggcactctt gtggagagta tcatcgacag cggtgacagg 1200
 aggctggccc gacagagaag gacgacggaa attgcgcgag gacgagacca gctcgaggaa 1260
 tggtttcgag acaatgtttt gcgaaataag atacagacca atacagccaa tgtcaacgat 1320
 gtaaagtggg atcataataa tcctatcttt gcggatgtca tactccaagc tgatgagctt 1380
 cctgaggacg accttgacgg agaagatatt ggctctactg gccttccaat cggccccata 1440
 gtatcttcgg aaccagccaa gcctccacag aagtctgtcc ttttcccctg tcatcgagca 1500
 atgttgctgc ggtctgagtt tttccagacc atgttcaatt ctcccttcgg cgaagctcac 1560
 atgaaggaac atcttcacat cattcctgtg aactgctcgc cggatgtctt ggagattatc 1620
 ctgacgttcc tgtataccga aagggcagag tttccgctat acgtcgtctg tgacgtgctg 1680
 tttgcccag atagtctctt cattgaaaaa ctcaagacaa aggctgcggg gggtatcagc 1740
 actctcggca gcggtagcat gtcacaggcg gaagccgcga aaactacgca agaaagcgca 1800
 gaggatgata tcgatatcta cgccatcatt cgtgcagcgt ggatgacacg agtccagcgg 1860
 cttgaggaat tcgctgctcg gtaccttgcc tatcgtcttg aggcttatat agactcgccc 1920
 gagtttgag agttgataca ggagtcagcg tctcgtattc aaaaacgaca agaaaccgat 1980
 tctatcgagt tactagatga catcaggttc tacctcaacg aacgattcag actacgtttt 2040
 gacgacgcag gcatcgaaga gatgatggag gagacggccc agcagcagct cgcagaccag 2100
 atcgtgctg acgaaggcat tgaaaaggtc accggcg 2137

<210> 20231
 <211> 2152
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20231

cccatcccct cgccatcctc tctgaggatg aaattaacct tgctcgcgac atcgtgattg 60
 cgcagcacc caacaccgtt atcgacttcc gtgagatcta ccttcaggaa cccccaaaag 120
 gccagctgct tgagttcctt gctcttgaac atgccggctg tctgagccca acaacgcctc 180
 gtccctccg gttggctctg tgccagtacg atgttatcgg agcggatcga gtgccctcgt 240
 acgaagagtc actcgtagat gttgtggcat ccaagtgtgt taagcatacg gtcgttgga 300
 aacagcatca tgctgctctg actctgtaag ccaatcctcc agggacatgt gacctgcccc 360

gctaacaggt tcataggagc gaattcgatg tgcttggtga acgttggttt cgtcgccact 420
gtttaaggaa gccctcgccg agttcgacct accgccgggc ttogaggtcg ttattgaacc 480
ctggccgtac ggtggcctgg atctagctga gccaaacaga cggttcttcc aaggattgtg 540
cttcgccccaa gatgctacga agaagaacct cgacgccaac ttctactcct accctctacc 600
gctcattccc gtcattggacg cgcatacaca agagatcatc cgagtcgacc gtccggctac 660
gggtggtaaa ggagacgggt tgcgggaaca gaccttcaaa cgtgacatta tcggacattg 720
caaggggtcg gactatgtgc ctgaactgct tctgaaggc actcggaagg atctcaagcc 780
actgaacgtc gttcagcccg agggtcctc attccgcac acagatgagt cgctagtcga 840
gtggcagaag tggcgtttcc gcgttgctt caatcctagg gaaggcgga ctatccatga 900
cgtgtgttac gacggccgca gtgtgatgca ccgcttgagt attagtgaga tggtagtcg 960
cttcgacaga ccataagaac gagctaattg ctcggttgcc tagactgttc catatcgga 1020
tcctcgcccc ccctaccacc gtaagcaggc ttctgacttc ggtgacggcg gcggcggtaa 1080
catggcaaac aatttgtcta tcgggtgtga ctgtcttga gtcacaaagt atttcgacgc 1140
catcatcaca ggtgccgacg gtactgcaa gaaactcct aatgccattt gtctgcacga 1200
gcaagataat ggcattggct ggaagcattc taactggagg acgggtcgtg ccgtggttac 1260
aagacatcgt gagttggtg ttcagtttat cattactctt gcaaactacg agtacgtatt 1320
cgcctacaag ttcgaccagt ccgccggcat caccgtggag ggcgcgcga cgggaatttt 1380
gaacgtcgtc aacattgacg ctgggaaggc cagcgactac ggtaatgtgg tcagtggagg 1440
tgtcctggcc cagaaccacc agcacatctt ctgtgttcgc atagaccgg ccattgatgg 1500
agcgaagaac tcggtccaga ttgaagaatc gcaccagtc ccgatgaatg aggctactaa 1560
tccaacgga aacttttaca aagtcgacac caagaccgtg gaaagagcgt gctactttga 1620
tgccgtcca gatctgaacc gaaccgtcaa gatgatcaac cctcacaaga ttaaccctat 1680
cagccagaag cctattgggt acaagttcat cctctggcc actcagaagc tgttggcaga 1740
ccccaattcc acccaggcca aacgagcgca attcgcgag caccacgtct ggtgacgca 1800
gcaccgggat ggcgagctgt atgcaggcg tcgctacacg cttcagagtc agagcgagg 1860
tgatggtgta tcagacgccg tcaagcgtg tgatgtgtc gtcgacacg atgtagtcgt 1920
ctggagtacg ttggcataa ctcacaacct tcgcatcgag gattggcccc tcatgtaagc 1980

attcccccttc tagtacggag ttcagcgctg acaatagggtt aggcctgtgg aaatcttcca 2040
 gctcatgata aaaccggctg acttcttcac ggcgaaatccg tcattggatg tgccttcatt 2100
 gaagaacgag gcgtcaagga ctgtaggtaa atccgagtgc tgtcgaactg cc 2152

<210> 20232
 <211> 2155
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20232

cacgccgata ttgaatccga cgattccaga gcaaagtcgc cgatttttga agctctccga 60
 tccaaggacc gctttgacgc ccttgtaaga gaccgagatt cgttgcgcgc cgaggtgacc 120
 gatatgcgga agtccttga agagatacaa tcgaagcacc gtacagatat gcaggcttta 180
 cagagcaaac tggatgatgc cgagagtaaa aaggagcacg cggagtctca gtaccgtggc 240
 ttactcgaaa ggggtgaatac cattaagcgc cagcttggcg agcgtctcaa ggaagatgct 300
 gtacgtatac tgctggaccg aatccttgat acttgcgcta atataacata ggaggagatt 360
 tcccaggcga ggtcgaggat agaggaattg gaggaacaga attcaagcac gaaagaagaa 420
 tatgaggcta agatctcgga gctgtcggag gaaaaccagc gcatggctaa agagctttcg 480
 gaactacgcg aacgaacgaa cctctcgcaa caaaactggc ttagggaaaa agatgacctt 540
 ttagagcagg agtcgtacct ccagtctgaa ttcgagcaag caaaggaggc tatgcataat 600
 tgggaagtgc tcgccatgga ggaacgttcg atcagagaga atcttgggga aaaggttata 660
 gacctagagg aacagttgac tactctgaag gacgcgtatg aaagaacttc tgctgagcga 720
 gattctcaag cagcggctgt ggatgggtta cagcgcgctc ttcaagaaat ccaggccggt 780
 ggggtgcttaa ccgtcatagt ccgcgagtct ataaaccgct aatctgttgc agcacgaaaa 840
 caagagcttc gtgaactagt cgaaagctct gatgctcagc tcgagggact aaagcagtca 900
 cttaatgagg ccaaatcgaa agagtcagag gcaatgaagt ctctacaaga cctccaacaa 960
 gagcttgaga ggggtccggcc attcgaaaaa gaagtcaggg agaagaacct cctgatcggc 1020
 aaactccgac acgaagctgt cactctgaat gaccacttga caaaagcgct gcggttcctc 1080
 aagaagggga agcccgaaga taatgttgac cggtgagcat gaatatttga attacctctt 1140
 gtgttagtat ttgtctgtca aatctaattg tgcacgaaca ggcatattgt cacaaatcat 1200

ttactccact tcctggcgct tgaccggctg gatccaaaaa agtttcagat tctacaactc 1260
 atcgcggcgt tgttgggggtg gtcagatggg atgccccacc aagcttttaa caagagcgac 1320
 attgacatcg ttcagaacag cgtgagcagg cagggttggc tcgtccagga gcgtctggag 1380
 cctcggttag gctccgggtt cctgggtcac ccatgcatcg tacgcctagt acgccaagtt 1440
 tagcgactga atttcgggat aatggggcag caagcaagga atcacttgca gaattgtggg 1500
 ccaattttct cgaacaagaa tcacaagcct cttcccatga taatagtcca ttgacgaagt 1560
 gaagctggag atatacagca actcctacca tgtcccttca acgaacttag acaacatcat 1620
 aatataacaa caccatagc tcccattggg tgtacgaaca tccacgcttt tccttatctg 1680
 tgctgaaagc ggtcagattc acttaccgcc tcaatcaact tagatatgtg caaaagaagt 1740
 catagcagaa cgcgaacgtc tctttaatat accagtatat gcataccttt tcgaaaattt 1800
 gtggaacatt gtcagcacct gtcaagcgcc cagcaatctt attccacttc caaagatata 1860
 caatggctac tagtgcaggt aatctcagga ccctatcttc atttcttca atttacaac 1920
 atccatatta atatgaacgg acaatctagt acaaaaattc cgccccgtag tagtgctggg 1980
 tccctctgga actggcaaat caaccctact caagaggctt ttgcgcgagt atcccgacac 2040
 ctteggattc tctgtttctc gtctgtaaac cccgctttcg cccaataact ggagttctca 2100
 tgaaggcagc gtttctgaca tactgtcaga cagactaga gcccctcggc ctggc 2155

<210> 20233
 <211> 2155
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20233

ggggcttccct caggccccgta cgaccggact ttatctaggt cgactcggct gttcaccctc 60
 cggctacttgg tatatttagc aacacaaact tcttttgctt ttccacctc cctcatccgt 120
 agaactcgcc cttcctttta cccttgteat cctcattacc cttcaaccta ccaacaaatg 180
 tctacagcca aatctcgctt ctccagcctt ctgggccact ttcaacagcc cttgatgct 240
 aacagcacag cgactccgcg tccggtaaac agctttaaaa atgtcaattt ccacacattg 300
 tctcctaagt tctttctgcc gagggggcg gcgatagagc cagatgtggg ttctgtccat 360
 tccaagatct aaagggtagc atttattaat ttggttgct atgcgcaagg ccgaggcgat 420

ataccacatt acagcaaata accaagtgct acgaagaacc taccaagaga ctgcggatcg 480
 ggctagaggg ctgcctatt ttctcaagaa gcatgggtat aagagagtcg ggatcctgtg 540
 cccaaacaca cgggcttttc tggagtcgat ttctgggtatt gccgctgcgg gggccgtgaa 600
 tgtttgtaag gctttgattc tttgttcttc caattaggta tatattcgct aatatgcata 660
 ttatagccgt gaattatcga ctttaaggagg acgatatcgc ttatatattt actcattctg 720
 acgccgaaat tatcatcgct gacaaggaat acttgccgct gctgtcggcc tatagagcag 780
 cgaagccgca tgttcgtgtc attttggata cagatacaga tgcaacagag ggccaacttg 840
 cgggtccatt tgacgaggct attctcgagg ggttgaatta tgaccgggat acaggcagaa 900
 agggctggag tgctcttgag agccaagccg cgtctgaaga tgatgttatt gcgctggcat 960
 ataccagtgg gacaacggcg cggccgaagg gagtgaata cactcatcgt ggttgttatc 1020
 ttgctgctat gggcaatatc attgagtctg ggctcaactt tcaaggacgg cgctgtaaat 1080
 acttgtggac cttgcctatg tttcatgcta tgggtagggt ttgacagtga gatttgtttt 1140
 cacttgctc tgactaatgc tggatttcta ggttggactt tcccttgggc cgttactgca 1200
 gtgcgcgga ctactactg cctgcgcaaa atcgactatc cgcagatctg gaaacttctc 1260
 aagcaagagg gcgtcaccca ctttaatgcg gctccaacgg tgaatacgtt gctttgcagc 1320
 tctcctgaag ctgagccgct tccctgaacca gtccatgtta cagtcgcagc gagcccgcca 1380
 acacctcatt tgttcgaaca gatgacgggc ttaaatttgc atccagttca cgtttacggc 1440
 atgacggaga cttatggacc tatcactaaa gggactata tgacggcctg ggaaaacctc 1500
 cctcgcaagg agaaatttgc gcgaatggca cggcaagggc atggtttctt gaccagtctt 1560
 ccagtacggg tcatccagac agaggtgcct gagggcacca tcattgatgt caagcaggac 1620
 ggcaagaaga ttggtgagat tgtgtttgtc gggaatatct gtgccagggg ctactataaa 1680
 gaccccgagg ctacgcggaa attgtttgct ggcgaggtcc tccattcagg agacttggct 1740
 gtctggcatc cagatggggc cattcagatt cttgacagag ccaaggatat tatcattagt 1800
 ggtaggtcgc accgccgctt ttttttcccc gccgcattgt tatactgata ctagtgtagg 1860
 aggtgagaac atctcgtccg ttgcactcga gtcgatgctg gtcacccatc cggatattct 1920
 agaggccggt gttgtcgccg ttcccgacag ccattggggg gaacggccca aagcttttgt 1980
 gactgtcaaa ccaggagggc agctgaaggg taaagatgtc gtcgactggg ccaggaaacac 2040

tagcggaaac agcaagttca tgggtccacg ggaagtggag gttgtcgcag agcttcccaa 2100
gaccagcact ggcaagttga ggaagaacgt tcttcgtgag tgggcaaagg atgga 2155

<210> 20234
<211> 2161
<212> DNA
<213> *Aspergillus nidulans*

<400> 20234

tccaaccac cttttccccc tctttccttg catattgtac ttgtgactg ctcttttctt 60
tctcaccag gccctttgca ctcctccttg ctaacacata atcatactgc cgtataaaac 120
atgctaact catctctagc tacggggcag ttgttcgatg tgatatccct gcaccacgga 180
ctccttccag ccgcttgatg gccttatcca gatagcgta cctggccttc ccaatattga 240
catctattcc aggtttgcat ttgtggagta cgaaagccgt cgtgatgcag atgacgcata 300
ccacgagatg cacaacaaac ggattggctg cgatgatcta ttaaagattg aggtgagtta 360
cttgatggag gtgttttgtt actgttctaa ttctaatttc atatctagtg ggctaggact 420
cccccttctg cttcctggcg ctttgactct ggtcgcgacc gccgccggga ccgtactcct 480
ccacgccgtg gccgctctcc ttctcctcgt cgtgctcgtg gggagtactc gccgcgtaga 540
gacgacagg acgatcgtga ctatgacaga cacgaccgtg attatgaacg acgtgaccga 600
gactatgac gccgggaccg tgactatgat cgccgggacc gtgaccgctc tcgagaccga 660
tcccgcagcc ctgacgatag ggatcgtgac gtgaaggaag atcgagaaag acgggatgac 720
gagcgcgaga ggcgtgacga tgagcgtgag aatgggcccc atggcgaaga tagaaagggg 780
gagtctaacc tggaccccc cgtcagaacg tctactgaat aggacagttc cgttagagcc 840
cttgacgtct gctcacgatg agcttgatac tgctgagtag atcctctgcc acgaaagtat 900
aaatgcttaa tttcattacc tgccgagttt acgcgggagc cgggtggtaca ctgacatctt 960
aacatcaagc atggaatccc ccctcctttt ttggaagatg gaccggcact tagcgtaaag 1020
tctgttctta tccgtctcct cgtatttgc gcgtccttct tctgttctgt ttcattcaat 1080
tcgtctcata ttttcttccg tttgttggtc attattgtct tcgtgcgttt gttctcaaaa 1140
tcccgttgcc acacggacaa ggtgaaacga aggttcgaat atcgggtagg agaaaggggtg 1200
ttggtaaaga tatgacggct aagtgttcat tacctgtgaa aagggttcta ctattgcttt 1260

acgtgggtatt cagaattcgc atāgcagcgg gaacgagtgc cgaactcacg ccgaacgggtc 1320
 tattttatatt taccattccc acctccgccc aatcctgtcg tccttgcggtt aatctogatt 1380
 aagccgtccg ttcttcgcct tccgttcgca gatttaaatt tagacgattt taatcccaga 1440
 tcctcgctct tgccgttccg gtcgtgattc cctgtggccg ttttaagact gttccgattg 1500
 ttgtctatag tagccgtagg attttactgt atccagagtc tcggacgagg cccatatatt 1560
 ataggtaggt gcagaggaag tgaattagct ggaatcttga ttagtatgag gctcagctgc 1620
 ccttgctcgc taagacttga caggetgggt catttggaac agggccggtg ccatccttga 1680
 caggggtgaag tgctcgatga gtttcgcta cgcctatgga cattctaggt acaagacaaa 1740
 gctacggagc actttcggag gtagactaaa cacctcatgt cttcaggcgt gttgagcaat 1800
 acatactatc ggccactac ttatcgtgct cttataactc gtcctctgat gcgtcgggaa 1860
 ccaatcacccg gtgttcacct gggccctgc tggctgaggg agttttctca ttggagtgtt 1920
 agtctaggct gcattgctaa gcgttgatat cgacgtatga aattacagac atgcggcgga 1980
 gcacaatgct gcagaacccc tccctaatag ttcacaggct gcagccgtga agcattacat 2040
 ttttcgtac gtagccatta gagagcctag aaaatactat ttagagaaac aggtccatac 2100
 cagtgcaggc actagggcaa cacttaccaa taaatgtagt caccaggcga gaccggacct 2160
 g 2161

<210> 20235
 <211> 2164
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 20235

tttcggcccc ggtgaagtcc agggctgggt ggtgcttggc cattccagca ttggcaacga 60
 agccgtggac ggcgccactg gcggacacca cagcgtcgat tgccgagctg atgctttcct 120
 cggatgtgac gtcgcagtgg atgtattgga ggcgactcgg attcgtgac tttttttgca 180
 cagcggtgaa ttcttcgcca ggctcgaaaa ggtctaggct gtaaacagct gcggcttcgt 240
 tggccagaca gacctcggcg atggccagac cgatgccctt gtttgccggt gtgatgacaa 300
 taaccttata cttcagggtg attcgcagct catggttcgg gccgggctga gtactgagga 360
 aggccggcgt gccgttgttt gttccgtttt cctgaggcat attgagaaag ccgtttgtga 420

atgatgaact gatggttgaa ttgttctcct tttgggttga ggtctctctcg agtgccttat 480
atcctaatacc gtgatgcagt gttttacgag ccggagcacg catcgagggc gccaggacta 540
ccgcgctctta cccagtcgga atagagaaga tgtcgagtgc gcgccttcga ggcgagcacg 600
gatccaccgc atcccatgga tatgagatgg cctcgcacgc aggccctatc gtgagtggag 660
atttacgggg gatgtctcct cgcttcgcgc agtgatagge ttgcaactga ctcaacactc 720
gcggggtaac cccatgggga tgcacctaaa ggtttagtta tatgtctcgt tgatgccgta 780
ctacaacaaa atcacaccta tctcaaacat tccccagaat atcatttcca atatggatgc 840
caaggatcct gacgagtatc acaatggcga gtctaatac atcgaggcca gtcaagagat 900
cttctggacg gaagaggagg aggagaagct cgtccgcaag atcgacctct tctgttacc 960
gaatatctgg atcatgtact tgctctctta catggacagg accaatattg gaaatgccaa 1020
agttgcagge atgtctgatg atctgggtct cactcttct cagtatagca tcgtcctcgt 1080
tgttttcttt agtaagtctc ttgcctaccc gtcaggcagc aactaacaag aagcagttgg 1140
ctatgtcgtc ttcgagccgc cgtccaatat gattcttggt cgatctcgac cgtccctcta 1200
tctcccagca atcatgtgcc tctggggcat tctgacatgc gtcatgtcgg tcgtccagca 1260
ctaccatcat cttatcgttc tccgggtctt catcggtata gtggaagccg gcttcgcccc 1320
tggtattcta ctgatcattt cctcctggta caaacggaag gaacagtcca ggcgctttgc 1380
cgtattcata tcggcggtta ttctctccgg agcatttggc gggctcatcg caggggggat 1440
cactgacggt ctcgagggtg tccacggaat tcgcggttgg cgggtggctgt tcatcgtcga 1500
gggcgcnagt actgcagggt gggcgatcat ttcgaaatc ctgcttctcg attaccagg 1560
aacctcgaaa aggctgacgg agcgggaaaa agccattgct gctgcccggc tgcaggaagg 1620
cgtcattgcc aggggcgctg atgagcgtat cggaaagcta cagggatttt gtatggcctg 1680
caaagactgg agaacgtggg gattcactat cggctacatg gtgagttctc ctagcctttc 1740
atctgcagta atctgacttc cataagtcac ctaggatct tcaaccgtat cctacttcta 1800
ctcgaccatg gtctctggcc tcggatacat ctggccggat ggccgattac atgactgtaa 1860
gtgactcagc catgacaaaa agccccgggc gagtaaatca caaaccacag cctaaccaca 1920
ataggtccca atttacgccg ttgcctttgc ctgcacaatg atcacgagtg tcattagcga 1980
caaactaccg acataccgtg gctcatcat agccaactgg ctgaccgtct ccatggtgac 2040

ctccatcatc gtctgcgccg tctacgattt cacaacgcgg tatgccctcc tcgtcattat 2100
 ggctgcagga ctatgggtgt ccaacgcaac ctcgctaagt tttgcctcct cgtcattcgg 2160
 ctcc 2164

<210> 20236
 <211> 2165
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20236

cctgcataac cctccagagc cagagatctc agttcgctcc gagaaaatct tcgacaaatg 60
 cgcaaacaac cctgttggat tgcttgctga tctggatctc acgggttcac caccgttcgg 120
 acttcgatac actatagaga catctaaagg tgtggaaacc aagcaccaaa tcattgatgg 180
 gttacgcgcg cagtcagatt tcacccatt agaagccggc cactaccggg atcgcttttt 240
 ggatatttct gatagtgtat acgggcctcg accttggag aacaaagtgg cagtactgga 300
 acaagacgtg aaacctcccg cctctgcaaa tttcgttggg acaccgaag tacgcaaggc 360
 ctgctttggg gaacctatat ctgtcgacgt cgcttttcat ggagaggcgc cctggacctt 420
 gcagtacgag cttgttcata acggcaagaa aacaagacac gttcttgaat ccgaaactgc 480
 gagatccaca atcattacag ataatctcgt cagtgggggc ggttacaacc tcgtattaac 540
 aagcgtgaaa gatcgctcca aatgcaaacg aaaccttaat gaaatcctca aggttgacgc 600
 cagatccaag cccctcacg tttcttttgg tctttagag aagagcagaa aatactcggc 660
 gctgcaaggc tcaaagtcg acatacccat cagactcagc ggtgaacgcc cttggaccct 720
 acaatacaag aatctggatg cagatgcac aatatccacg aaaaccttct ggcatgaaaa 780
 tagtttcttg actgtgagcc aagaaggacg ttacgagctg ttgggagtaa cggatagctc 840
 gtgtcctggg tccgttgatg acgcagcgaa agtttctgag atatcttgga ttccaagacc 900
 tcaaatacact gccgtagata atacgcccg cggaccggat ggtctagtcg cgaagaatga 960
 tatttgtcag ggccaagggtg atagtcttga gcttcgcttg acgggcaatc caccctacac 1020
 gatccaatgt gagcaacaaa gaaaaggatc tcgaggttct actgccgtgc gaatacggag 1080
 cctcaaaaaca gcactgcatt ctctttctat ggagctggaa acatcagagc cgggcgacta 1140
 tacctatcga ttcaaggagg ttggtgataa tctctacaac aatgaccga gaggcaacca 1200

ggctcgtggtc acccagaaag tcaaccact tccttcgcc cgctttgacg ctccaggtcg 1260
 catctatgggt ttttgagag aagacgatag tggagatgag cttatcccc tcactatgga 1320
 aggtgtgcca ccgtttttcc tcgaaatctc aatcaaacac tacgcgaagg cgaaaccaga 1380
 gatttgtgtcc attccaaata ttaaatacaa tcggcataac cttccaattc ctaggcgcca 1440
 tctcgaccta ggtcagcatg tagtttagcat ccataaagtg agagatgcgc gaggttgcca 1500
 gaaaacctac cacacagacc cggcatcagt cagagttgcc gtctcggacg tacctacgat 1560
 tgtgccgctt gaatcaaaga ctgactactg tgttggcgag cgtctttcct tctcattatc 1620
 aggccattct ccgtttgagg tgttttacac attcaatggc gtcgcccga gggcttcttc 1680
 ccagaccaac catttccgtc gcatcgaga gaaaccggc gtcttcacga taactgccgt 1740
 cagcgatggc gcaagcggga agtgcaaggc ccacaaagat attgttaaaa ccattcaccc 1800
 gatgccgagc gttaggatca gcaatggcca agtctctatt gtagacatcc atgagggtgg 1860
 tgaggcgaag ctagagtttg agttctgggg cagccaccg ttcgagttca cgtatgtgac 1920
 ctttcttttc ctacctctt ttttttggc cccgaatcgg ctgatctaac caaaaacca 1980
 ctaggtacat ccgaagcacg aatgcacgca aaggaaagaa ggccgaaata attgacataa 2040
 aacatgacat ttcttacgaa catcataaga tcataagac atctgacgag ggtacctatg 2100
 aggtagtggc gatcaaggac aaatactgtt cattttctac tcagccctca atggagaaga 2160
 acgag 2165

<210> 20237
 <211> 2178
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20237

ctaaccattg gaatatattc taggatttat gaggaggagg acataactgc tgccgttgat 60
 gcgcgtacag agtcactaca gaacctaagg gaattgggcc ctccagactt ggtgtacttg 120
 atcaagcagc caaagactgg ttcaacacgt caggtatctc tctcttctat ttatttcac 180
 atttgagtcc agggatgatt ggaagtagct aacgggtttt ctgatgtcta gactggcggt 240
 tatcaccatg tcaccggtat tgatgcatct tcctccgcaa gcttggctgc ctacgtgaac 300
 accctagtgg catccccct cgataaggcg aataaagtgg tatcaggaat ctactggtta 360

gctttccatc tgggtgtatta gtgatgggct gagttaactt gtgcagttgc tacaatgcgt 420
tctcccatTT ggacatgcga gtcgaagtga agatccctgg aagcctcgaa agctactgta 480
tcgacgaacg cggagataaa cgtgttgcca ccgatgcatt atggctggaa acttttcttt 540
gcggagtctt gcgagcatat tcatatgcgg acgacggcag cggcgatgct attaggaaga 600
ttgtcgggggt tcgtcgtttc aaccccgTTa cgaacaccga aatggagcat agattcttag 660
atgctgccga gaaattattc ttcttaggta caactattcg acttactctt ttgacttcgg 720
gatggattta gctgacaaac ctgtaggaag acaactcagt tccgaccccg aaaccaagt 780
tccgaacaca gtgagcaacc acctcacggc cggctcttctc aagtacattc agaccacggg 840
ccggtatgct tctggtatca acttattcga gaaactgcgc acaagggacg tggaggtctc 900
gtctttgctc gctcaagttt tcaggatggc ggatgaagag gttcaagcag tgcggcttat 960
gtacgacgct ctgcaagatg ttcccatgga ctacgcgTTa cttgactgcc agtctgcctt 1020
ctgcgctagc aaaggagaag gcgaaatggc gttggagtgt gctaagcgcg ccgtaaccgc 1080
tgcccccagc gaattcagca cctgggctcg gttggctgag gtttacgtgt gcctagagaa 1140
atgggatttg gctcttttga cgctgaactc ctgcccgatg ttcacctacc aggacaaaga 1200
cacaccacgc atgccccagc cgtctcggat catgctgccc attctagcag agagcatgtt 1260
agacgagatc gacgaaggtc agccgaaaca gggagaccct catgattatg tacatccgct 1320
gttgccggaga ctgcatgcgg ccacatacca ggggaacattt ctgaaagcct acaacctgct 1380
gaccaagatt gccgccgcga tcggtctggga ccagctcctt aaggTgcgca gcgaggTTTT 1440
cgtcatgaga agaggaatat cgctcagagc gccagcactc cacaaagcca tcaatccatt 1500
cgcattggtga tagccccgca ggtcagcag agtcaacaga gcccgcgga accgcgagac 1560
aaatggtagt cgcgagcagg aaaatggaga cggctgcccc gtggaatctg tcacggagat 1620
tgtcaatggc gacgaccaca cacaaggcga gaactcaatc gagaggcccg agcagacaat 1680
ggcatcggaa gttgttaagt ctggcaatga cgatgtaagt accggctctt cagcagagaa 1740
ggcattactg actttacagc ccgaccgctc acacgcattc tatacacagt tcaagaataa 1800
acgactatgc gaaagatggc tggataatct ctttatggct ttatatgagg atctccgcat 1860
atatacaatc tggcgtacgg aggtagccca gtaccggcaa caagcgatgg agtacaagaa 1920
atcagctact gaatgggaga ttcttgggtga gctggcagag cggctgcacc actttgatga 1980

ggccatcgaa gcctaccaag cctgtttgtc aatccgtttc tcgccaaaag ccatgcgtgg 2040
cattctcaag ctacatgaaa agcagaatga caccaggggg atgctcagtg ctttgattcg 2100
cctcatcgcc tggcagtacc gatggtactc tgaggttcgt ttccctcttc gctgatgttt 2160
gaatacatgc taacggcc 2178

<210> 20238
<211> 2178
<212> DNA
<213> *Aspergillus nidulans*
<400> 20238

gggcggtttc taggtgggtc aaacttccaa tcagcccgtc tcattctatt taagcaaact 60
gttgcctcga cttgagggct tctgaattga catagtattc gccagattt ttttgaattt 120
ttttttacag atttaatgtc agtcgtcaat attacatatc aattaatcaa tgccaggaaa 180
atgagtctct aatttcttag atattaatca tattgaatag tagtgaaacc atgtgacaac 240
acttgattaa aacctgaaga tccactaacc caatgcagtc tagttaacaa tgaattgaac 300
cacatgagtc ctgacaaaaa aaacaccaga aaccgagctc tgttgtgatg tctggctttc 360
ccaagctcgt gatctccaga tttcgattcg ccgacccoct ctatctctct tgcacttggc 420
tctcctattt actttttggc gtcccactat caagcttatg gcaactgaca tgctgggtga 480
cctcacgata gactctgate cagaggagca accccgggta agtcacgtta acttagcttg 540
gagttagttt cgcgtcttcc ttttatctct gaataccaca ataaccaaga acttatcggc 600
ttatcgtgct ccctggacga tgggtcagtg ctgaccgttt tcagattcct aaccctotta 660
tcaaaagtct tgggcggcag acacttgac accgcactct ttctccctct cctcacacca 720
agaactctac aattcctttc aagagaaagt cagatgcaga ctccgccgag tccggctcag 780
agtcttcata cgcaagtgca gttgcgtacc ctcaaaaagc aaagaccaga accaccaatg 840
tttctctcgc aaaccagtt ggccatgata gcctgtccgg gccctttaag agagttgggtg 900
ccggccctgg tactgggtgct gcgcgtcagg cagcccaaatt cccagcatca gctccatctc 960
tagcttcaag ttcaggcaca gactcagccg caggccatta tgccccaagc ccagcgccgg 1020
agaccctgag agtagtcatt ccatctccat cagtacagct aaagaaagag attgattctg 1080
ccgagcggct cccggatgca gaagtcaaga ctcccagat tacgggtatg tcggagaaat 1140

actaccaac agatgctctt gaaaggcgcg caatgagggg tgcatatcca gctgctagga 1200
 aaaccaatcg cgctgggtgtc cctttagtca ttggcacacc agggcccttt ttaactgaga 1260
 agaatagacg ccccgtagata gacttgctct gcaagaatct ccagaagaaa ctagcctcca 1320
 tcaaagggtcc agcagtgact gtggccaaag cggacgagaa gcgtctcgcc aaagctacca 1380
 caggcttcga gttcatcaac gagtacaagc tccgagaggg cgtacaccgt atcagcaagg 1440
 aattccaatc cggctgtagc tgcgagacta tctgcctacc agatagatgc cagtgtcttg 1500
 cacaagaaga ggactcggaa gaacgtatca ttgcatacaa gcgtgcccga gacaatccgc 1560
 gcttcatggg ccttcggcct gagttcatga agcgcacatc catgatcttc gaatgcaatt 1620
 ctctgtgctg gtgtgaggag aaatgctgga atcgcgctgt ccagttggga cgcactatcc 1680
 gcctggagat tttccacact ggagcgcgtg gctttggtat gcaccctgct attgcaaaat 1740
 tggacaaaaa aaggactgat ctactaacca agcaaacagg cctccgttcg cttgatacca 1800
 tccgcgctgg ccaattcata gatctatatc ttggtgaagt aatcacaacc tccaaggccg 1860
 accagcgcga aaaaatcgcc aacacgcgta acgccccttc ctatctcttt agtctcgact 1920
 tccttgttga tgacgaaagc agttacgttg ttgacggggc gaactatggg gccgccaccc 1980
 gcttcatcaa ccaactcctgc aaccccaact gccgtatggt tcccgctctcc cgtaccacg 2040
 gcgatgacta cctttatgat ttggcggttct tcgcattaag agaaatcaaa cccggcacag 2100
 aattgacctt cgactataac ccoggaatgg agaggggtga taagctggat ccgaatgcgg 2160
 tgccttgtct ttgcggcg 2178

<210> 20239
 <211> 2181
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20239

cataaccggg gccaggacca ggattactcg cgattgagcc tcaggagaag cgacagacgg 60
 ttcacaatta gaggtggctg ggccctgtga atagcttctc gtagagttga cgtactcggc 120
 ttagcgtttc aacctacttt cattagtccg acgcgagctc gcgtacgcga tcgttatcta 180
 tcatggaagg ctaccagta atatataaca cttcaaacat gtctggagcc aataacagct 240
 cgcatagctc agttggtaga gcgcgtgact agtataatgt gaatttcaga aatctgaaat 300

tcgtcgttga aatcacgagg tcagcgggttc aagtcgcgtt gtgagcatta ctttttttat 360
 gaaacaattc atctgcataa actcgggtaca taatatcgtc attctatcta tgcattctat 420
 gcattcgaaa ctcttatctg cgtaactcca tggatacctc ggtaagtctc acattcagtg 480
 tcttggcaaa aaaggaatat atcaagcttc tgtagttccg ccaccgtcaa actctcttcc 540
 aagtatatc cggaatatca ctttccagggt atcacctctc ccctaatttt gggcttgcac 600
 agtagctgat tgattttttt tttttggcag gtagccggct tctttgttac aagtgtgaag 660
 ccttgccatg gctgatacac aggcttccag tctttatagc tcattgcctg tatcaaccct 720
 cgtaggcctg gtgattgcaa tgggacttct ctctgggct cggcccagtg ggcgagtatc 780
 ctttttttagc tccaaagaga acaatctttt cctcaatagg agaaatggga aagccggttc 840
 caagcagacc acgctaaaag aactctgccg cactgctaca ccagcaagat gtgatctcaa 900
 ccctctcttg ttcaacggcc acttgcagac ctgctggact acagtgaaat ttgatgacgt 960
 tcctgtttac tacaagcgcc ggatattcga ggccgacagc gaggcgtata aggggcattt 1020
 cgccgttgac tttgtcgttg agccttaca agcaccctaaa tccgctgaag caactgatgc 1080
 ggagagaaaag tataccctgc catcaggctc ccagaacgg acggcaatgt tctccgagga 1140
 tgaattcgcc gctctacctt cagaagactc aaagcctatg ctcggtggttc tgcattggtt 1200
 aagcgggtgt tcccatgagc tttatttacg ccatgtagtc caccgcgtga ttgcggatcg 1260
 aggctgggag gcttgcggtta tcaactctag aggttgtgcc cagacaaaga tctctacggg 1320
 gattctttac aacgctcgcg ctacttgga tggtcgcaa gttgtgaagt ggttaagagc 1380
 agctttccct aaccgacctc tcttcggaat tggcttctct ctcggtgcaa acattcttac 1440
 gaacgtaagt cttttgcttt cacaattgga aaacaggcta atatattcag tatttgggcg 1500
 aggaaggaga cgctgccag ctgaaagcag ctgttctctg cgcaaatccc cgccctcttg 1560
 aagtcagttc ggtggccatg caaagtaact ttatgggcct caaagtctat agcaaggtaa 1620
 tgggcgcaa catgaagaag ctttttgaac agtacgtggc ttgctgatgg attttccaaa 1680
 ccctttggga tttactgaca tagtacaggc atgccgacga agtcgtgaaa aaccctaggg 1740
 tagatgcaga agcaatcagg aatatcacgt atctgcacga attcgacagg tatggaccgg 1800
 cttgcctatc tcttgcgctt ttcattgctaa cgttcaattt aggaccctgc agtgcgcct 1860
 atgggggtat cctacggaag gcgcatacta ccgtgacgca tcctctatcg actctttact 1920

ctctatccga attcctttct ttgtggtgca ggccgaagat gatccagtaa ggtcgaagac 1980
 gatgccagaa tcccatatac tgacgggata cagatcgta ccgtaaaagc ggttcctttc 2040
 caggagatcg ctcaaacc tttatggtgtc atgatgacca cctcatgggg tggacacctc 2100
 ggttgggttg agtttggcgg cgggagatgg tttgtgaaac cagtgagtgc tatcattctg 2160
 ttgcagcggg gtatgcta t 2181

<210> 20240
 <211> 2181
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20240

tgccagtcgt caaaggaggt gtctggtgtaag tcaagatgca attcaggcat tctagagttt 60
 acgcctaact cactcctagg acgaacattg aggacgaggt tcttcgggca gcagtaagtc 120
 ggactttacg caatctccgc taggattttg gttcctgacc acgcgacgta actaatattt 180
 tccttacggt taggtctcga agtatggcct caatcaatgg gcacgtgtat cttcgcttct 240
 ggcgagggaaa actccgaaac aatgtaaagc gcgctgggta gagtggcttg atcctggcat 300
 taggaaagtg gaatggtctc gggaggagga tgagaagctg ttgcatctgg ctaagttgat 360
 gccaacgcaa tggcggacaa ttgcaccgat cgtgggcca acggcaaccc aatgcttaga 420
 acggtaccag aaacttttgg atgaagctga ggcccgtgag aatgatgagc tcggtttagg 480
 gggtcgggt acagaggcct ccgctccgag tgcggacgac gtcagacggc tgcggtagga 540
 atctataatc gcggttttagg ctctgacttt gctgattatc tgtagacctg gtgaacttga 600
 tcctgaccct gaatcaaac ctgcccggcc ggatactatc gatcttgacg aagatgagaa 660
 ggagatgttg agcgaggctc gagctcgtct agcgaatacg cagggtgtaaga aggcaaagcg 720
 caaggccagg gaacggcaac tcgaggaatc gcgacggctt gctgtgctcc aaaagcgccg 780
 tgagctcaaa aatgctggtg ttaacattaa gattgtcacc cggaaaccgg gtgagatgga 840
 ttataatgca gatattccgt tcgaaaagcc agctgcacct ggattttacg atactacaga 900
 ggaagaagca cgcaatgaaa gacagcgaga gatgttcgat ccccggaac agcagctagc 960
 gaacaagcgc aaggagatc aagacgaaga agcggaacga aagaaacgaa agaagataa 1020
 gaacagcaac tccgcagctt tcgcggtctg tgctcgagct ggacagatgc agaagatccg 1080

agaggccgaa cagagcagca aacggagagc gcttgttctc cccactcctc aggttagcga 1140
 gagcgaaatg gaagacatca tcaaaatggg tatggcagga gataaagcca gcaagatggg 1200
 ggagatgag gaaggaacca aaggtttact cggaactac tccgccatgg ttggggggac 1260
 acctattcgg actcccagag ctcccccgga ggaggatcac attgcgaatg agattcggaa 1320
 tataagagcc ctacagaga ctcagtcttc actccttggc ggggaaaata cgccgtaca 1380
 tgatggtgga tcttctactg gttttgatgg cattgctcct cgccgccaac agatcgtcac 1440
 gccaaatccc atggccacgc cttttcggca aggaacgcag tcagcgcaac gcccgttcca 1500
 ggaggtgctg gccccggtgc aactccgctg cgaactcctc gtgaccactt ctgctgaac 1560
 aaagaaatca gcggtgggct tcctattgga agtacaccgc gagagataaa gatgcgggaa 1620
 aatctcgcgc ggcagagcat tcgcggcagg cttgcagcac ttccaagcc caaggaaacc 1680
 gagtgggagc tcgagcagct gccgtcagaa tctgcagagc cagctggggc gacggagtac 1740
 cctgaagaag actctgcagt gcgagatgcg cgggaaaagg aaatccggaa gcgagctgcc 1800
 gaggctgaac ataaacgtca gacgcaggtt tatcaacgtt cgttgccccg gcctgttgtg 1860
 ctcgatattg atgctctgat ggagcgggcg tcgctgttta tggaccaat caccggtcta 1920
 attgctaaag aggccgccct gttggttgct aatgatgcat gcaagtctgc tactcccggt 1980
 gccaaatcg aaggcaagcc acggaagttg gagaggcttg atgataagta tttagaagaa 2040
 gctcgtgccg caatagcgtc tgaagcttcc tcggggaagt tggaggagtg gtcgaacgag 2100
 ttcgatgcca agtggtcac aagccgtcag gatactctac ctgggctttc caactacctc 2160
 gacgacgacg aagaggacgc g 2181

<210> 20241
 <211> 2203
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20241

tgtttttata tattcttttc atcagctact acatcctccc acgagcttat acggaatagt 60
 cgctcaggat atattggaat gatttttaaata gaaggccatc tctgaacata tagaactgta 120
 gttgcgatgg tgtaaaattg cgatagcaat agggaattgg aaagactttt aggacttata 180
 ccagatgctg ttcctggcct atatatccat acatgctgtg ggtaggtggg ggaccggctt 240

atccattttc tgcctagttt ttaagcccg c gattttgtgt actaacctaa gtaggatcaa 300
agctctcagt catctccgtg cggacgatat atcctcctct acaacagccc tcttgttacg 360
ggcagccata tgaggtcttt ttcttttttg taggtttgcc accatgttgc aatgctatta 420
agccttttgt cgatgtgatc gtcctcagat gtacaggata tcagatttct gtttgatgac 480
tgaaaagaat cgtttgcgga actgttacca gttgacatct caggctcaaa gacaaagtgt 540
atggtatttt cactgatcca atgattcgat ccgacttgca tagacttccc atttcctcca 600
aagcaggatc gtaatcacga agcctagcct ctcgatcgga acaacctcat taccgccac 660
cgttcgaacg cgaaaggata ttattctaca caacgcgaaa tctatcaggg attaccgccc 720
ccagaacagg atcccagcgg caccctaaat ccacggcaat ggagtctcct cgcgatccac 780
aaagctccag gcctgttcat acttcggcag gaaaactgga gagtggcggg tcaccacag 840
cagctgcgaa tggctcagaat ggttctcctg tcgacaataa gcgtagatta ggagagaaa 900
aggatacatc aaaagctgct gaagaccgct ccggtcccaa acgcaggcga gttcaagaac 960
gacatcaaaa gcgacgaccg gaccgatcgc cgcactctgt ctattcccgg cggaacgcag 1020
atgaaatcgc acattcccca aatcggaacg agcagtcgcg tagatcgcca tctcccctac 1080
ctccgcgtcg ttcacctaca ccggaagcac aggcgcggca gcggaaacga ccgggcgggtg 1140
gcgcacgtcg gggcctcgtg gatcctgaaa ctatccgcag gagacaagaa gaacgcgaac 1200
gcgctcagga aaatgatgct atgcgctact ccttgagtcg aggcggttaca gatatcggtc 1260
gccaacatta caatgccgtg cctcagcgcg gcagggaatg gcgcaaaacc gagagtaaaa 1320
tcaaggggct gcgcagctat aacaattggg tcaagagtac ccttattcaa aagtactcgc 1380
cagatgagga gtttgtctct cggactgttg ataccaagga ctgggctaata gatgctgcac 1440
tgccaccctg ggatgagaaa cgactgctgg taatcgactt aggttgtggg aaaggcgggg 1500
acttgggcaa atggcagttg gcgccacagc ctatcgatct ctacgttggc cttgaccctg 1560
ccgagatctc tattgaccag gcacgggacc gctacgcccc aatgagaact ggacgtggac 1620
ctcgtcaacg tcgtgggtccc attttccatg cagaattcgc accgaaagat tgctttgggtg 1680
aatggctggg ggatgttccc attgtgcagc aggttaggaat cgaagccaac gtaggccctg 1740
gcggttctct catggcctcg cgatgggggtg gtgggtggatt cgatgttgc gcatccatgt 1800
tcacgatcca ttatgctttc gaaagtgagg tcaaggcaag acagatgcta cgtaatgttg 1860

ctggatgttt gaagaagggc gggcggtttcc tcggagtctg tccgaactcg gatgtcatca 1920
 gcgcaaaagt cgccgagttc cacgcaaagc ggaaggagag tgaggctgaa aagaagaaag 1980
 aagctgcaga gcctgaagac ggagaagttg aagaagacat caagaaggcg gaatggggga 2040
 accccatata ccgtgtgcgc ttcttgagg ctactcctga agatggagtt ttccggccgc 2100
 cttttgggtg gaagtacaat tacttcatgg aagaagctgt cgaagagatc ccagagtatg 2160
 tcgtaccatg ggaagctttc cgagcgtaag tgcctgcacc gca 2203

<210> 20242
 <211> 2211
 <212> DNA
 <213> Aspergillus nidulans

<400> 20242

accatgggag acgccccaaa caagatctca attactatct gcggggacgg tggatgcggt 60
 atgttgtgcy acattctcac gttcccagtc tcatctgatg actgattgtg gagaacgata 120
 tatctgaaaa cagtcagcgc atggcattga ccgacaatag gaaagtcttc catcaccctg 180
 cggctgggtc gcagcgaatg ggtccacgag taagccaaat ccaagcatta tttgatcgcy 240
 tgctgacctt atcctgttca tagatatgac cctaccatag gtaaataacg caaacccaat 300
 cgctccgaca agcaataata ctcacacccc ggccagagga ctcgattctt gtttcgcgta 360
 ccatcgatgg agaacaatat ttcttgtcta ttaccgatac tgctggccag gaggaatatc 420
 gaggattgtg ggcagcgctc aacctaaaat cggatgcggt tcttctcggt tacgacatca 480
 ctagcaagtc ctcttaagc gccctagatt atttcatgga tatgatcgag atggaagccg 540
 atcaacgtgc ggaggacaac ttgcggttga tgagagaact aggcgatagt gcacgagggg 600
 tagaatttgg tatggctgcc ccagtgaaga ttgtcgcggg gaataaatgc gatctgaagg 660
 acagccgggt catcagcgcy aaagacggcc tggaatatgc ccgaaacac aacagcggat 720
 ttatggaaac aagtgtcgcy gaaatggtta atatcgaaga aacatttgct cgtgcggatc 780
 cttcccgatt ctcgaaatgc gcgatctgac attctttagt ttgggttcga cgagtcgtag 840
 aagctcgtcy agaacaccat caatataatc aggagctgac aaagcccacc cgtcatgtgg 900
 gattctcact aaggaaaaca cctactggcy gtgtgtcgaa gaaggagtcc gaagcaaccc 960
 tttccaaaaa gacaaaccaa cgccagagca tattccaagg cctgctgaaa ggccgacgcy 1020

caaacactgg ccaggagcag gttaagaaat atccagaaag gacaccagag acggacacgt 1080
 cagaaggcga gactcccagc cgatggaaac gactctgctg ttaaaccatcg tctccagcat 1140
 gtcattgcat agccccata ccctttcgtt tgtcgcgctt ggtggacatg catgtataat 1200
 agtaccactt ttctgcaatt gtctaattac cttcttgat agtcaatttc aaaagaacca 1260
 ggacacactt gagcgaagca tgaagtcata ttatataggt ccagctgttg cagcctatct 1320
 catacgagct ccaggcctac tctgcgatga ttcgatatcg agagcgagtc cgcaagcaga 1380
 tgccgaccga attcattcgt tacaacttca aagtccatag tagtattgca aggtatgaag 1440
 gacgggtacg cgcattctta tgacgtgaac ttgcagagtg ggccgaagtc tctagaacat 1500
 gatatccacc gctgcaccca cgctgctgag ctatcatgat ctagaacctt gatttcagta 1560
 ttcagaaaga gagctttcag ttgttcgggc tataaacgta tcacgatcag tatcaaagcc 1620
 gcttagtgct actgactcgg tacggtgata catgaattct gatttatata aaccaacac 1680
 tttgtcactg ccgcgagatc attttgaacc gcactagttt aaaccatttt agccacgcag 1740
 agtgtaaagc ctaagtgtc cgtctccctc aattgatgtg acgataagat actgtagctg 1800
 aaagagcaag aattggccac ggtcggatgat cgagtggcgc aagaatgaag tcaaagcact 1860
 tttcttgata gtctacgcta ctattagcta gtagcgctgt cacaggatca gtgcacgtca 1920
 tgaactttta tgccgtgaag taacctgtgt ctatctttgt actctgagta ggtcggctctg 1980
 cggagagtat tcttgagtct caaggcaaga taaccgaagg ccgaaatggc aactttcaac 2040
 tgccaagcca cagggtaaac ttgtcgataa tgccaagctt tcaggcatca tcaggagact 2100
 cattgaatta tccaggattg tataatacag aaccggttgt ggtgggtttt atgccgccgt 2160
 tgaacgaata atcgtcattc aacattgagt attcgctgct cagtgttgtt g 2211

<210> 20243
 <211> 2213
 <212> DNA
 <213> Aspergillus nidulans

<400> 20243

ttccgacagg tgggtccgaca ctacgagaac aagcagtaca aaaaggggtga gtcgttgcca 60
 atgccatgcc gagtttacca cgctggctcg cgatgtttca tgccggcgga cgtaaaagg 120
 ctgactgtca tactttgctt ttctcgaggg aattacaggc atcaaaacag ccgatcaggt 180

tctccgga aaaccaaacc atggcgatac gttagcgatg aaggctctga tcatgagcaa 240
tcaaggtgaa cagcaggagg ccttcgcctt ggccaaggaa gctcttaaga atgacatgaa 300
gtcgcatatc tgctggcacg tgtacggctt gctctatcgc gcggagaaga attacgagga 360
ggctattaag gcataccggt ttgctttgcg gatcgaaccg gactcccagc ccattcagcg 420
cgatctcgcc ctctccaga tgcagatgcg ggactaccag ggctacatac agagtagaag 480
cactatgctg caggctcgac ccggcttccg aaaaaactgg accgctctcg ctatcgaca 540
ccacctctcc ggcgacctag aggaggctga aaaggtgctg acgacatatg aggagacgct 600
gaagacccca ccacctctgt cagatatgga acattccgag gcgacactgt aaaaaacat 660
gattattgcg gagtcaggaa atatccagaa ggcgttgga cacctcgagt ctgtaggaca 720
ccgctgctca gatgtgctcg ctgtgatgga gatgaaggcg gactaccttc tacgcctgga 780
caagaaggaa gaagccgctg cagcctacac tgctcttctg gaacgcaact cggagaactc 840
tctctactac gatggcttga ttaaggccaa gggatatctc agcgacgacc acaaagccct 900
caaggccttg tatgactcct gggcgagaa gtacccccgc ggtgatgcgc ctgcgagaat 960
tcccttgga ttccttgaag gcgatgattt taagcaggct gccgatgcct atctgcagcg 1020
catgctcaag aaaggcgctg catcgctctt tgcgaaacatt aagcttttgt acaccaactc 1080
tagcaagcgt gacacagtac aagagttggt cgaaggttac gtctcaaacc cccagcgaa 1140
cgggtgcggct gacggttccg aaaacaccga attcctctcc tccgcatatt acttcctcgc 1200
acagcactac aattatcacc ttagccgca tctatccaag gctctccaga acgttgacaa 1260
ggcccttgaa ttgtcccca aggcggtaga gtaccagatg accaaggcta ggatatggaa 1320
gcattatggc aaccttgaga aggcagcaga ggagatggag aacgccagaa agatggatga 1380
gaaggatcgt cacatcaact ccaaggccgc caaataccag cttcgcaaca acaacaacga 1440
caaggcgctt gacaaaatga gcaagtttac gcgcaatgag accgttggcg gtgcccttgg 1500
cgacctccat gaaatgcaat gtgtgtggta tctgacggaa gatggcgagg cttacctgcg 1560
gcagaagaag ctgggctcg ccctcaagcg ttttcacgcc gtctacaata tctttgacgt 1620
gtggcatgag gaccagtttg atttccacag tttctctctg cggaagggtg tgattcgagc 1680
ctacgttgac atggttcgct gggaggatcg tctgcgcgaa catcctttct acaccgagc 1740
tgcgctttcc gcgatcaagg cctatatact tctccatgac caaccggatc tagctcatgg 1800

gctcttctct gagattaacg gtgctgatgg ggacgatgct gagcgcaaga aggctctgaa 1860
aaaggctaag aaggagcagc agcggctcga gaaactcgag caagagaaac gggaggctgc 1920
tagaaaggct gccgctaacc ccaagagcct agacggagag gtcaagaaag aggaccccga 1980
ccccctcggc aacaagcttg cgcagacaca agaaccgcta aaggaagcac taaaattcct 2040
cacacccttg ctggagcact ctcccaagaa tatcgaggct caatgccttg ggttcgaggt 2100
acaccttcga aggggtatgt ttcaagagtt ccgcaaatg cgcgtgtaca taagactgac 2160
tactcttcta ggcaaatacg cacttgcgct caagtgtctc gcagcggccc att 2213

<210> 20244
<211> 2216
<212> DNA
<213> *Aspergillus nidulans*

<400> 20244
gttccgcgac gactcccacc aaattttgga gtttcgaggg atattccatg tgggtcgaca 60
attcacccca gtgtgtacga gatgttagag tccggcattc tggacgattt tctgtgccc 120
aagccaggtg gcgataaacc aaacctgcct cctaactctg tcgatgatga ccggcggcat 180
atgcagaaga gaagcgacgg aacatgttca ccatgaatgt ctacctgtcg ccggcttctt 240
tatatgtcat ttcgaagtca tatgtgtata attgggtttg atagtccatc tgagagagcg 300
cgtagtaact gtttctatac aaggcccaac cagctagttg acttttaggt cctcaaccct 360
aagaaagatc aacccgacga ggctattata ataaaacaca atacagtaat gccagatat 420
aaatggcccc agtcgataag ggagcttcgg ctactggcgg gccgtgacgt ttaaccctcc 480
gacgcgaacc gtttctccgc actctcccag ggcctcagtc tggggaattc aatcgtacaa 540
aaaaacctcc cattcccact ccttttcttt tgaggactca aatcatttaa agaacacagc 600
catgactcct ctaatatatc taccgggccg agtacggtca gcgcacgccg tgcgctgttc 660
ccttctcaaa tctccgcttc aacatccctt tcggtcctca taccactct cctccacaa 720
gogatggagc acatccctct ccagcgtcc ggggtcagat cggtaagtcc ccaccttcta 780
caatatagag taggtcgaga aagctaata actatcatgc aatgtgtaga gtccgatttc 840
ccggcgcagt caacagcaaa ttcacaacgg agatggcctt catcaacca atggataaac 900
ctgggattcc aacgtaccgc gttatggatt ccgacggtgt gctgatcgat aaaagtcgta 960

gcgagctcag tgtttcgaat gaagagggcgt tggcgtggta taggaatatg ttaacgggtg 1020
 ggttttgggt gtacattcct ataagtctat tttcagcatt aatgggtatg cgatatacag 1080
 tgagcattat ggacgtgatc atgttcgagg cacaacggca ggggagatta agcttttata 1140
 tgggtacgaga cctcttccta gccttagaag ggcagttttt gctgatgaga tacattctcg 1200
 aaaggtctca gccggtgaag aaggcatcag cgttggctcc gcagcagctc taacaccgga 1260
 cgatgtcgtc tttgcacagt atcgcgaaac cggcggtttt cagcagcgag gctttgcgct 1320
 aaagaacttc atgagccagc tcttcgcaa tgcgaaatgat aacggtcgag gaaggaatat 1380
 gcctgttcac tacgggtgcg agtatccgaa aaccgtactt ctatccctcc tccctttgat 1440
 gaagttcaca ctgacaaatt gaccagcat acaatctcct ccaccctagc gaccagata 1500
 ccacaggcct caggcgctgc tacgcactga aactccaagc tctacagaat cccgacacgc 1560
 caccacgcat tgtcgcatgc tattttggtg aaggcgccgc cagtgaaggc gacttccacg 1620
 ctggtctcaa tatcgccgct acaagatcct gcccagtggt cttcatctgt cgaaataacg 1680
 ggtacgccat ttctacgccc acattagagc agtatcgggg agacggaatt gccagccgcg 1740
 ggggtgggcta tgggatcgac acgatccgcg tcgacggaaa tgatatcttc gctgtttacg 1800
 aggctatgaa ggctgctcga actctggccc tttctcaagg aggaaaaccg gtacttattg 1860
 aggcgatgtc ttaccgtgtc tcgcaccata gcacgtccga cgatagcttt gcgtaccgtg 1920
 cgcgcgtaga agttgaggat tggaagagaa gagataatcc aatcatcagg ctccggaagt 1980
 ggcttgaaaa tgaggggatt tggaatgagg atatggagcg gcaggctagg gagagtattc 2040
 gaaaggaagt actgagagag tttggggagg cggagagggc gaagaagccg gctattcgat 2100
 ttgcgtttga ggatgtatat gatgaggtta cggaggaggc gagggagcag atgaaggagt 2160
 tgaggagaat tctggaggag tatccggaag agtatgacct tcgctcgttt gaagga 2216

<210> 20245
 <211> 2220
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20245

gtgggggaag gctggggaga aacgggtgtct taaatccact gcaccctgct gaccccagac 60
 gaccccggcc ggcccgaat cggattgccg ttaatttggc gctagacagg aacctgctaa 120

ctccaagcta cttggcttgt agcgcaaggg ccggccttgc ttcccatcct gtaaccagcg 180
gggtagagct agtatagtag ggggtggcgc ccacccacaa ggtttagggg tccattcagg 240
tcttcgtatc agctgcggcg tttgcccgcac tttccgctgt gcctgtcatt tcagctcctg 300
aggtggagag tgtgatatta cagctgtcac tctggcttct tacaattact tgcttttagg 360
agcgtcctct aggggtgccg ctctaggtgc tcgctttaag gtgctaggta tgttacctat 420
atagccagtg gcctttccac gaatggctcg gtgctacca tagtattcga gagcaaatta 480
tacetcaagg ccactagcc gcgcaaatat ggcggttgag aagcccgctg agcacgccaa 540
tatcgaggcc ctcacccggg ccgactcagc tgatgcgcgc gtcgattcta gggctaaatc 600
agccctcgcg agcgacaata tcttcgagca tgagcagact gtcttgcagg ttcttcgggg 660
tcatccagtc cttatttggg gggcgttttt tttcagcgtc agtgogatcg gatggtaaatt 720
gcttatctac aaaatctgtg cgtctcttat tctctgctga cccggcgggc cgccaggggg 780
tttgacgctc aggtcaacgg ggcagtgtc tccattcctt ctttcggcg tgattttggc 840
gagcactttg aaggagactt cgtagttcct gcccacgtg tgagcgcctt taattcgatc 900
tcatctgtcg gacagttctt tggcggtttt ctctgcagcg ccgttgccga ccgagtcggc 960
cgaaggctgg ctttggcggt tggagtgatg atctcttgcg gaggcacctt tggggaatta 1020
ttctcaaccg ctagggttgc atttcttatt agcaagctga ttctaggagt tggcctgggc 1080
ttctacctaa ccatcgggcc gctgtactct tccgaggtga gctcgacgat caggaaatgc 1140
gtcacaaacg ccagtcaactg acaaacgaaa ggtctcgcca gtcgttctgc gaggtattac 1200
aactgcaggg gtgaatctgg gcatcgtgat cggccagtta ctctccaacg cggccatcaa 1260
gggctttggc gagcgaggcg accggtgggc gtacaggggc ccgttcgcca tccaattctt 1320
cttcgtgggt atgtctatctt ccaacgtcta atgtctgata gagcaggctc accaaacttg 1380
accgcagtgt tcttgggcct agggcttcca ttttcgctcg aatccccgtg gtacctcgtc 1440
cgtcataaca ggatcgatga cgcgagaaat gcctgcagc gactctacgg cgccggcaca 1500
aacgtcgaca cgaaactcgt ggctatacga atgacagtgg ccagggacct cgcagcgaga 1560
gaatccaaat ggtcgtatgc tatccgtggc ccgaatctcc ttcggacaac catatcctgc 1620
ggcgtctttg tttgccagca cttggctggc atcattttcg tgctcggctt ctctgcatat 1680
ttcttcagc tagcaggtct gcctactgag cggtcctttg accttggagt cggcgtcaact 1740

gcctgcggtg ttgtgggcac cataatctcg tggttaatcg tcaatcgccct gggtcgccgc 1800
ctcatcttca actctgggat ggccatcctc agcacgatca atctcctcat tgggattctt 1860
gacgtcggtc cgacgagcgg ggctagttag acacaggctg cgctcacagt cgtctgggcc 1920
ttcttctacc aagtcagcat tggcgccgtt gcctttgtcc ttctcggcga aacctcgctc 1980
ccgtcgctgc gagctaagac gaccgccatg gccacggcga cccaggccgt atttgggatc 2040
gtcatgaaca tcgttattcc ctacatgggtg aatcccgatg aaggcaacat gcagggcaaa 2100
gtcgggtttg tctttggagg gctgggcgtg gttgcgacgg tgctctgtta cttgtatatt 2160
ccggatctga aggatcggac cttcgaggaa atcgacctca tgtttgagac ccgcgtggcg 2220

<210> 20246
<211> 2225
<212> DNA
<213> *Aspergillus nidulans*

<400> 20246

tccgcacttt tctccggagt cttgatctcg agcagtcaaa cccgttggaa catatcgctg 60
gtttactgag agttactctg aggtgttttt agccatgcgt ctctctcctg cgtggtagca 120
ggtagcttg ctatctcggg cagactatct agatcattat acttacgggtg atgctagttc 180
ctcgtaggcg tcttcgcctc cctcggatca ttcctctacg gatgtgcgtg tattccctca 240
ttctcagagc ccgtcaatgg cgcgctggat gttagtccac taaccggatt cttcaactgc 300
agatgatctg ggtgttattg cggaagtgat cgctgtgaa tcgtttaaga cgaccttcaa 360
agagccagac agcacgcaaa cgtaagtgtc ccgtaacctg gcgggagagc ctcaagtgga 420
agatcctggc attgactcgt gcctcagagg tttggtcgtt tcaatgttca cagtaggcgc 480
tttctgcggt gctgcatttg caggtcctac tggtgattat ctgggtagac gttggactat 540
cataatcggg tgtatcgtct tctgtctggg tgggtgtctg caaaccggcg cccagactat 600
tgagtaccta tacagtggac gtttctttgc cggcgttggg taagttgtgt tgaaactttg 660
gccgccgagt acacttgcta aactgactta gggttggttt ccttaccatg atcgtgcccc 720
tatatcaggc cgagatctgc caccgaata tccgaggtcg tgctactgcc ttgcagcagt 780
tcatgctggg tgctcggagct ctctgcgccg catggatttc gtacggaaca tacgtcggct 840
tcgatgatac gaacgatgct cagtggcaag tctctcttgg tctgcaaata gtcccagccg 900

tcttctctggg gctgctgac atgcttttcc ctgaggtaag atacgagccc aagccagtca 960
tactgctgct aacgtgcatg cacctagtcc cctcgttggc ttatcgacca tggccgcca 1020
gaagagggcc tgaagaccct ggcgaggctt cacgcctacg gtgatgtgaa tgacgcctgg 1080
gtccgtgctg aatacactca gatccaggaa tttatcctcc gtgaacacga ggaggaggcc 1140
aaatcctact tggaaactct ccagtcgctc tcgtcgttcc gtcgtctttt cctctgctgt 1200
gcactccaag cctccgtgca gatgactgga gtttccgcga ttcagtaagt actctttggc 1260
ccttacctct tctctgtatg gtgagttatt aacggcctgt ctctacagg tattactccg 1320
tcacgattta cgcgcagatc ggtatctctg gcgatgaaac cctacgctac caggcaatta 1380
actccatcat cgctctaate gccagttct tgtgtatgat gcttatcgat cgtttcggtc 1440
gccgctggag tttgatcagc ggaaacttgg gcaactgcct tacatttate atcgctgca 1500
ttctgctagc cagattccct ccagaggta acaacaccgg agctcactgg ggctttatta 1560
ttatgacttg gctctacaac ttctctttct cgtgcacttg cggteccctg tcttgatca 1620
tcccagccga ggtcttcgat actcgtactc gttcgaaggg tgtctcgtt gcgaccatga 1680
cctcctacgc cttcaacacc atgatcgcc aggtaacgcc actcgcaatg gaagacgttg 1740
gctacagata ttactatctg tttatcatct gcaattttac caatgccgtg ttcttctgg 1800
tgctcctgcc cgagactaag aagttgccgc tcgaggagat gaactattta ttctcaaacg 1860
ctccttggat tattccaggc acaaagaagg aggactacgt ccgcacgacc tggagcgtag 1920
ggtggtggag caggaggaaa agcagcatgc gtatgcgtcg catgaggaga agaaatagat 1980
gcagaaagaa gacggacacg ttgatgctcg atgatactgt gtactttaca ataatcggat 2040
atgtaaccat gtgtagggc cactaatgg cctgggaat tgcagatgga gttgtgccag 2100
gtaccgtctt gagagcctga agcttatcat gagacctctt tgtaataggc ccgagacact 2160
acgtagatcg acatatgcac ttatcttccg gtcagtttaa tctcaatagt gcaacatatg 2220
gcgtc 2225

<210> 20247
<211> 2254
<212> DNA
<213> *Aspergillus nidulans*
<223> unsure at all n locations

<400>

20247

cccggtctggt tgcaccttga agagtccgtt cgccggacca ttacttgat caacgaggcc 60
ggccggaatc gctgcaaact gattgccttc cctgagctct ggatccccgg ttatccctat 120
tggtatgtga aagtcaacta ccaggaatct ctcccgtat tgaaaaagta tcgcgagaac 180
agccttctct ccgactcgga ggagatgcga cgtatcagag aagccgcgcg ggccaacaag 240
atctacgtgt ctctcggcta ctccgaggtc gatctcgcga gcctgtacac cactcaggtg 300
ctcatctcac cggctgggaa tctctcaac caccgccga agatccgcgc caccgacgtt 360
gagcgtctcg tgtttgaga cggcaccggc gatactactg agtctgttgt ccagactgag 420
atcggccggg tcggacacct caactgctgg gagaacatga acccgttcat gaagagctac 480
gcggcctcgc ttggtgagca ggtgcacgtt gccgcgtggc cgttgtatcc cggcaaggag 540
acgtgaagt accctgacct ctatactaata gtcgccgagg cgaactgcga tgtatgtgtc 600
cccccaacca acaagctgct gcctgacctt tgcaggcgtt tgctaataag ttgccccagc 660
ttgtcacacc cgcctacgcg atcgagactg gcacctacac ccttgccccca tggcaaacta 720
ttactgagga gggcatcaag ctcaacacgc cccaggcaa gccgctcgag gatcccaaca 780
tctacaacgg acacggccgg atatttgccc cggacggccg gaatctcgtt cctcaccctg 840
ccaaagactt tcagggtctt ctctacgtgg atgtacgct ataaacctga ttcacccttc 900
tctcactgag acatttcatg ctaacaagtc cagatcgatc ttgacgaaat tcaccttacc 960
aagtccttg ctgactttgt acgtgcctcc aaatcttcac cctactacga atacaaatgg 1020
aaattaatga ataatgcagg gcgggcacta catgcgcccc gacctcatcc gcctcctcgt 1080
tgacggtaac cgcaaggacc ttgttgtctc tgaggaccgc ataaacggag gtatcaaata 1140
taccagcacc atggaccgcg ttggtctcac caagccttg gaggcgcga agcctactga 1200
ccagaaagag taagaggata gacgcctacg gatcagaagt tagactggca ttttaggagg 1260
atgcgtgtaa tcttaggaca tggcgaactc tccactaatc aaaaatggat tctctcgct 1320
tgcggtgctc gccttcttct tgctgtctta ctggccggtt ttggtttaac cttgatcatg 1380
acactaatga gtttgatctt tgcttcttct aggagaaaga tctcactctg atattgataa 1440
aaaccttga gatgcttata gtcattgtgt catgcgcgtt aagcttaatc gtccgacaat 1500
tgcatggcta acatgacaaa atcccgctc aagagcctgc agaacgcgga atttactgag 1560

ttctactggc tggcaatata acaatggtag ctgggtagca atggcactat gancgccggc 1620
 tgctagacga agcttgaagt ctagcgctcg ataaatctag cctctaagca tgcagcaagg 1680
 aggctgagaa tctgatatct ttctagaaac aattcgcgaa ccctccagct atatacattc 1740
 gctcagccct gcagcgtatt cggggcttct tagccgaata cgcttacgct tacgctgacc 1800
 cgcttggcac tgcctcatac aggattgcgt tgcgatctgg agccagcgta ggtctggatt 1860
 ggatacaagc actatattgtg tgagtatagg tgattttgat atttgggaacc tttgtgctgc 1920
 gccttactg cgccgtgatt tgtgacagct tagggaatcc cagtaaagca tataaccggg 1980
 gacgccccgg agcaatcaag agtaaagaat attttaatcc agagtcaata taacaacctc 2040
 ccactcccc gcaatgtctt tctactattc aacctcttag acgtctcggc tcgccaagt 2100
 caagtcacca atggcatccc tctcctcat cggtgcaatc ctcattgccg tcaagtacgc 2160
 cgacgagcac gaaaaggcaa agcagcggga taaatcccag ttacagatg cagaagcagg 2220
 tacagagccc gttaccacag agcctgcgtc tgca 2254

<210> 20248
 <211> 2267
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20248

tttaaaggat gacattttga caccatgcag atgagcgatg gattgctacg ggtattttgg 60
 ccatacgacc tccccgggtc gtcggcgcca ggtgtaattg ttggatggag gaattcggag 120
 ctcgatttat ttgtgcttgc cgtgtagag gatgttgagg tacgcgcggt tggcgagtgt 180
 ttgagaaaag gttgctaact ctctgcctg cagccgcgga atgtcgacaa tgctctccgc 240
 gcgggtatct tatttcgcaa cagtcctcac ccagttccgc gcatttttag tctgtgcggt 300
 cggtcgtcaa tgcattgtatt gggatcgacg aatatgcgag atccgccgac ggcgttcaat 360
 gcctcgcat tgaattgttac tactcgtccc tcgtgcaagg tcccgaagat atactgtccg 420
 cccgagacag gcctctcgat tcaggttatt atgtttcacc gaccggatcc aaccaggatg 480
 gagtatatgt cgctgaaccc catttcgctt gctttggagg acaagatgct tgctgcggat 540
 aagtcggacg gggatttga tacgatagaa accgaggagg gagcgcagaa ggctcgcgcg 600
 caacgattag tggataagct caggctccat acggttgtca agcatcttcc atcacacaaa 660

gagttggcgc ttccattcat catcaaccag atcaattgcg catacgaaat ggggaagctg 720
atagaaaaga acagcagcct tattgggatc cgcgtgaaga ggagcatgag tgtttcggag 780
cgggtggttg agtcggctac gacggtgtgg gacttgttcg ttctcggagt gtcctatgtc 840
ttttggcagt ggatatggcc ggtcattacc cggatattcg ttatagggct ggtcttcccc 900
cgcgttatag cagactttgt tctgcaggtg ttggagtggc gagctcggcc agagcccgcg 960
gcgttgaagg atatctctgc gacggcacag caggtggaca ttgccttca gcagttctgc 1020
tactggccta cgcagtatgt caagttgcgg cagagaaagg atgactggga aagtgtgaca 1080
acctatcatg ccactatat ccggttctac aacagtctgt ggcttgtggc aaacgatgtt 1140
attatcggga tcgctctagg gtcgtacatt attgataatg ccaactgggt ggcttaccaa 1200
atcaattata tcctcagtgg ttggactgtt gaggtctcc agcggacgat ttcttggtg 1260
atggactggc cagctgggct gaagctgaat aatgagcttg cggcatttct gggatgatctt 1320
ttcttgtggg ttatcgagaa ctgggcaggt aagattgatt ctctctcaag tgtgtctggt 1380
gctaactggt cagcgtgcat cgcgaatctc caaccctatc ttctcatat catatacgtt 1440
atcggctgcg caagcttcgc aggtgccagc atgcccatcg cctttttctc ggatctcatt 1500
tccatcctga cagtgcacat atactcttct tacattgcat cagcgcggat cttcaattgg 1560
caacttacga tcatcatttc gctcttccac ctctccgcg ggaagaagcg gaacgtcctc 1620
cgcaaccgta tagattcttg tgactatgac cttgaccagc tcctcctcgg gaccattctt 1680
tttactgttc tctttttcct cctccctaca gtcattgtat tctatctcgc gttcacgtcc 1740
gcgcggatgt taataatctc cttgaaagca gcacttgaca cttggctggc tttcttgaat 1800
cattttcctc tctttgcgct gatgttgcg gtcaaggatt cgaggagact accaggttag 1860
tacactttat ggggggtggt atcttcatat taactgatca tccgcaggcg gcatccgctt 1920
tgaactccgc gaagagcacg atactctacc taattcagta gactcaacga tacagtacat 1980
ccaccttgag gtaagcccgg tctctctctt cttcaaaatc tggactaagt taattgtata 2040
aacaagtcca tccccctaac tctccgtgcc atgttcgacc aatacttcca acttgcccac 2100
cgctccgga aacactacct ctctccgcaa gtcattctct gcctctttac cggccgcttc 2160
gtgcccccta tccatcgctc cagtctctat agtatgcaat acagtatgct tcctgatgtc 2220
cggccctcgc tcgcgcaagt atggagcgaa ttgactcagc cggcgcg 2267

<210> 20249
 <211> 2268
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20249

```

cgccctcttt gtcgtctccg tctacttctt ccgcgtacgc ctgcgcctga gccacatccc 60
tggtcccggtc ctgcgttctc tgacaaacat taaccgtcga caatgggtga cgactggtag 120
agcccacacg attcacaccg agttgcatcg ccagtatggc aaggctcgtgc gcgctggccc 180
aaataccgtc tttgtatccg acccggtcgc tataccagcc atctatcggg tcaacgagcc 240
ataccagaag gttttcttcc ttacacatat tacctttcga cgcaaataca acaggaggct 300
gggtgctaata ttcatttctc attgttctcg atgcagtcgc agttctacga cgctctgatg 360
ccctatgttc gcggcaagag catccccgac gtcttcgccca ccagagacga gcatatccat 420
cggacaatga agcaacccat tgcagccatc tactccatgt caaacctcgt ctcgtttgag 480
ccgtatgtca aatcaacgat cgagtatttc ttctcgcggc ttgacagtct tttcgtcgag 540
actggcaagg tctgtaattt cggcctctgg ctgcatcttt tcgcgtcgga tgtgatgggc 600
gagatcacat tctccagacg actcggtttc ctggagaccg ggggcgatat ggagaacgtc 660
atggcgaaca actggaaatt cttcgttcag gccgctccgg tacgcccgat aagtctcttg 720
atcattttgt atcggaggga acgctgactg aaggctgtgg tgtcctaggc gacgcagatg 780
ccctggctcg actacttctg gaaacggaac cccctgcttc caggcagtgt caaacggaac 840
aaggtcattg agtttggcgt cgcacggatt caagaacgac ttcacttgtc ggaaaagcat 900
ccagatcatg tgaacagcag ggattttctc tcgcggttca ttgcagccaa ggagaagaac 960
agccagatcg ggccggagta agttctaact tcttccttac tgaccactga agtataataa 1020
aagcaaaaat gcaagattat attgaaacgt ctggcagtgc tatcatgacc tgggccaact 1080
ctaacatcca agccgggagc gacacaaccg ccattctcct cagcgcactc gttttcacac 1140
tcctcaagaa accaacgagt ctggcggcac tgtgcactga gatcgacgcc gccgccaaga 1200
ggggctgttt atcctccatt ctgacgtgga aagaaacgcg cgatctgccg tacctcgatg 1260
cctgcgtgaa agaagcggcc agactacacc caccatcag tctccccctc gagcgagtta 1320
tcccgaatc cgggactgta atcggcggat tcaagatccc tgggtgggacg aggttcgcga 1380

```

tgaatccgtg ggctgtgcat cgtgaccgtg acgtattcgg tgcagacgca gataacctgga 1440
gaccagaacg atggctagag ggggaggaga aggccaagac gctgtacaac tcgttgctga 1500
cggttagtct ttcaactcgg tcgaggaata gtcactaaga ggtctttgct atagtccggc 1560
ggaggccacc gctcctgcct agggagaac atctcctacc ttgaaattta caagctgggtg 1620
ccgtcgatat tgctgcgcta tgaggtaaga attcctagcc attatctata aagatctagt 1680
agtgcaggct gcagattgga ctggctgagc cggagaagga gtggcacttg gagaaccggt 1740
ggtttgatgc gccttcaagg ttctacgtta ggctgaaggc aagaaacggg gtgactaaac 1800
tatgagaaag ggagggtgga tctgtaggtc ggggggtggg tgaaatagaa tagatcagag 1860
gggtgtctgt atatttcagt ggggtgtatat ggctattcaa tcgatttcgg cgctcgatcat 1920
tatagaaatg tctcaacaat attggtttga cattatgaat aggttgatga agtagtctga 1980
gaagcctttt gggctcgctg aacttcagag gtagttgcac taatgcacca tctggttcta 2040
ctataggggt tgattttgtc tcggcctcga ccatgagcat aggagggttc accttttcag 2100
gccctagaac gctatactcg ttgtactttg ttggccgctc tgttggttct taacatgatg 2160
agttttggag ctgctggacg aagctgggta cgattcggct ggtgagccgg ttcttgggag 2220
tacatgttcc tccccagat cttaccttta cccggccata cgacggca 2268

<210> 20250
<211> 2277
<212> DNA
<213> Aspergillus nidulans
<400> 20250

gccgtaccc caccgtagcc attatcggca ccgggccagc aggcattctca gccctaagag 60
cgttgcacga cgagaaagtg tttgacagaa tccgagtttt cgagagaaga gatcgccctg 120
gcggaacctg gaattacgat gtgacgccct agcggttccc agggacatac ccgagcacgg 180
ctagtccggt gcaggacag aaaccgtcca cattcccgca gaggacaacg ccggcggttc 240
ctcagacgac acaatgccga cggcgatgta tggctggcta gacacgaatg tgctgcaga 300
tttgatggcg tttactcaca ctccacttcc agaggagaat tcccctatat ccgtggagag 360
gtatggggac gggaaatgca cgaggccgtg gtatactgtt gcgcaatatc tccttgaatt 420
ggttgagtgg cttcaggggt ctatctcgtt tgagaccacg gttgtatcag tggagaaaac 480

atggtctggt aaatggaggt tgacgctgag gcggccggaa gccgtggaag gggggaaaag 540
ggatttatgg tggcaggagg agtttgatgc ggtgatagtt gctacgggac aatatagcga 600
gccgtttctc ccgaagattc ctggattgga tcgggtggta aatactcatc cggagacact 660
ggagcatgtg aatgcagtcg ggtcgcgga gacgtacgcc agcaagagag tggtgattgt 720
cggagggagc ttctcggcga gtgatgctgt gggggatata tacatgctcg tgcgcggctc 780
actatatgtc tcccgaagct cacatagtcc gtatataacg gagatatgga acttgctgaa 840
tgtcgaagtg aggccacaat cggtcagatc gaaggccagg atcgtacgaa actcaagctc 900
acgttttccg acggctccaa gctgggcgat gttgacaaac ttatatctgc gactgcatac 960
cggttctcgg tcccgcttct atctcaccag cctgttataa aggccgacag agtaccagga 1020
acatatcagc atgttttcag aatcggcgat ccataccttg ctttttctcg ggcttgtag 1080
ggcgcctttg ctttcgggat gatggagtaa gaagctgtcg cggtgggccg atatcacgcc 1140
ggacatggag gcgagctacc tagtaaagga gaccaagaga gctgggaggc ggacgaggtg 1200
agctcaaagg ggatacatat aagttccacg atgtcacaac cgagatgagg gaacatatgg 1260
acttcttgcg tgacctagcc ggtccccag ctgctggaac cgatgcatac gagctacccc 1320
aggttcctga tgagtggctg gagaattctt tctcagtgtt tcggctcaag aacgagtttg 1380
ggggaggggtg aagcgggaag cagaggctca taggttagag tagaataata taacctaaca 1440
agtgaggagc atgatctcgc agaaccgatt tcgacacca gccatctcag catcagtggg 1500
ctgcctctca aattccggct ctttttcagc cgtatcatg gccagccatt tcccataccg 1560
cgcgtgctga gacctgaccg gatttaaccg tagatcctcg atacgattgt acacaacgtt 1620
gaccgctctc aacgacggta gacgagcgac ctgggcgcac aacacagccc atgacagctg 1680
atcgcccaga gggccatttt gcacatatag cggtgccggg tagagccgca agtactgtat 1740
acttttgggg gccagggtgg aaaagccatc caggggggag ggtaagagaa gtcggattag 1800
atgcaaagcc gattccacca ccggagaaaa ggactgggac cgcttcgtgg tatatctgat 1860
ggtttgttac cagcagggcg acgggaaggt gtagggcagg gctccgggtg tacttcaa 1920
tcagcttttg gtgcggggac ggtttatagg ctgcgcggcg gggagctgaa gggcctcg 1980
cgactgtgac ttgaacaagc tcagaccatt ctgacgacga tgaaaaggcg tactggtaga 2040
tgaggaaacg gatctctgcc gggagagaga ggaatcctga cggagttctg ggagcgaaat 2100

gggctactgt gcggcagctg gtctcagaga ttgtttccga ctcagtatcc gagaggcaaa 2160
 cggctctcaga ctcgttgctg tataaggaga gagtatcgga ctcgtaggtag agttttcggc 2220
 gctttggctc catgatgagg tggatgttgg ggggtagtgg acgatgaggc tgcgagg 2277

<210> 20251
 <211> 2278
 <212> DNA
 <213> Aspergillus nidulans

<400> 20251

cactccccgc accatccac caaggcgcca cgacttgaga ccgcttccaa tgtcattctc 60
 attgacaact acgactcttt cacctggaat gtctatcaat acttggtcct agagggagca 120
 accgtcactg tcatccgcaa cgatgagatc tctctggagg agctgattgc gaaaaagccg 180
 acgcagctgg tggtagtcc tggccctggc caccctaagt ctgacgcggg tatcagcaac 240
 gctgctattc agtattttgc tggaaagata cctatttttg gagtgtgcat gggccagcaa 300
 tgcacatcc actcgttcgg cggtaaagtc gatgttacg gagagattct gcatggtaag 360
 acgtcagtcc tgaacacga cggaagaggt gcctacgaag gtcttcccc ttcggttacc 420
 attaccagat atcactctct ggcaggaacg cactctacca taccgagtg cctggaagtg 480
 agctcttttg ctcaattggg tgaggatgcc gacaagactg tcattatggg cgtgcgacac 540
 aagcagtttg cgggtggaagg cgttcagttt caccctgaga gtattctgac agaacatggg 600
 caaacgatgt ttagaaactt ccttaagctt actgccggca cctgggaagg caatggaaag 660
 gatgttgctc agggaggcaa tttcacgcc gccgtccca accctccgaa ggctactaag 720
 aaggtgtcaa tcttgagaa aatttatgat caccggagag cggctgttgc taagcagaaa 780
 actattccgt ctacgcgcc atctgatctt caggctgcct atgaactcag cgttgctccg 840
 cctcaaatat cgtttcctga tcgccttaga caatcagcgt atcctttgtc tttaatggcc 900
 gaaataaagc gcgcgtctcc atcaaagggc ctgatagcag agcatgcatg tgctcctgca 960
 caagcccggc aatatgctaa ggctgggtgcc agtggtatct ccgtgcttac tgagcccgaa 1020
 tggttcaagg gcagtatcga cgacctacgt gcggtgcgtg caagtctaga gggactgact 1080
 aacagacctg ctatcctgcy aaaggaattc attttcgatg aatatcagat tttggaagct 1140
 cgtctggcgg gcgcagatac cgtcctacta attgtgaaaa tgcttgacac tgagcttctc 1200

acaagacttt atctttattc ccagagcctt gggatggaac cccttggtga ggtcaataca 1260
 ccggatgaga tgaagatcgc agtggacctt ggcgctcaag tgattggcgt caacaacaga 1320
 gacctaacaa gctttgaagt tgatcttggc actaccagcc ggctcatgga ccaggtaccc 1380
 gagagcacta ttgtttgtgc acttagcggc atttctggac ccaaggatgt agaagcctac 1440
 aagaaggatg gtgtgaaagc tattctcgtc ggagaggccc ttatgcgtgc gccagacact 1500
 gcagcattcg tcgctgagct tctgggagga caatccaaga agcttcctct gcagtcacga 1560
 aattcacctc tggtaagat ctgtgttaca aggactgaag aaggggcgcg cgcggctatt 1620
 gaagcaggcg cggatttaat tggcattatt ctcgtogaag gccgaaagcg cactgttccc 1680
 gatgatgttg cgttgcaaat ctcgaaagtt gtaaagtcca ccccgaggcc cactccttat 1740
 ccaactgagg tgccacaagg agatacggac gctacctctg ttgactatct cgaccattcc 1800
 gccacgactt tgcggcacc cactcgtgct ttgttggtgg gtgtattcct caatcagccc 1860
 ctatcgtatg tcttagccca gcagcaaaag ctgggccttg acgtgggtca attgcacggc 1920
 tccgaaccgc ttgaatggc taggttaata ccggttcccg ttatccgcaa atttgggctt 1980
 gatgagttcg gcatccgccg aagggcatac cacgtacgtg ccgctgctgg attccggagc 2040
 tggcggctct ggagaactct tggatcagat gcgcgttaag cagattctaa agtctgatga 2100
 cggattgcgg gtcattttag ctggtggcct ggatccactt aacgttactg aaatcatcaa 2160
 acagcttgac gaatctggat ataagatcgt tgggtgcgat gtcagctccg gagttgagac 2220
 aaatggtggt caggatctcg ataagatacg ttcatttgtc caagcagcaa agagtgcc 2278

<210> 20252
 <211> 2281
 <212> DNA
 <213> Aspergillus nidulans

<400> 20252

gggggcaaaa gcagcgaatt gctattgctc gtgcccttat taaggacccc gatattctga 60
 ttcttgacga agcaacttcc gccctcgacg cagaatcaga gacattagtc aatagtgtc 120
 ttgctgcact tcttcgcgga aacaacacca ctatcagcat tgccacaga ctctctacta 180
 taaagcggtc cgactcgatt gttgtcctcg gtaatgacgg aacggtcgcc gaacaaggaa 240
 cttacgaaga actaagcgca cgccctgatg gtgccttcac aaaactcatg gaatggcagc 300

taagtgggtgg tgactccaag ccaccagtca gcccttctct agatcctgag acggaagaaa 360
 agccttgggt agaacagccc gaggaatatg gtgacgctga agccaacgac aaagctgagc 420
 aacaacgata atcattatcg ggagttggat taacgcctag tgactgctgt ttttcccttt 480
 cgtttctct tattcacagt ttagactgtt tgcttacctt tgcgagctcg agcgcttgct 540
 gtgatgatat actttgtaca tgacgcgtat ttggagtgt cataggtttc acgggtttgg 600
 acctaaacac tcaactgtaat cagtatgata gataatagat gaaaactctt ctctatccgt 660
 aactcgttag taagtagtta gcctttgtca tattcttctc ccatgagctg ctagatgtag 720
 aacgtgaccc aaaggttgct ttggcagcgg ctggcctcag tgctgcgtta ccgttaacgt 780
 cactcaaaca acatccact tgaaacttga gagcaccggt gtccaggccc taatcggcac 840
 ttttgataat gggcctagct ctgttacct cctaattaca attcgaattc acagtgcct 900
 ggatttggt ctgattggta taatatggac cgcttccgaa gatggatcgc tcctaccgca 960
 gattatgagc ctatccaaga gcctacagtc tacggcgatg atctagatac acagcccaga 1020
 caaaccagc ccggtccacc tttctcaagg cctgtatatt ggggtgttctt tatattggga 1080
 gtatcaatgt tatgggcatg gtacgtgttc gaatccgtcc tctgtgtagg ggatccctgc 1140
 ttaccatcag tctcaacata ggaatatgtt gtcgctgcc gcaccgttct ttcacagcg 1200
 attccaacag gatgaatggg cgatatctca ctaccaatca tccatattgt ctgtatcgac 1260
 cgtcaccaac ctgggttccg tcttcgtgct cgcaaagcta caggaatcag cgtcatatcc 1320
 gagacggatt atcgtatcgt taatgatcaa cattggtata tttacattgc ttgcttctc 1380
 gacgcttggt ctcaagaacg ccccggtgtt ggtgtacttc tggttcgtca tggatcatgg 1440
 gtttggggct agcatggcca cggaatcaa ccagaacgga gtcttcgct acgtctcggg 1500
 tttcgggaga gaggaatata cccaagcaat tatgagcggc caaggggtgg cgggtgtatt 1560
 acctgtcta gtcagatga tgtccggcct tgcaagttca gaacgtggaa agcagcaggc 1620
 accggaggcg tcttggaat cagccttcgg atgctttata accgcaacag tcgtctcatg 1680
 tctgacactg gtctcatttg tctggctcac aaagcgacaa tccctgcaca tcatagacga 1740
 cgaatctgga tcgacaaaca ccgacgacca aacaccaatg aaaacagtga gcctaaggac 1800
 tctcttctcg aagctgcgcc tctcggccat ctcaatttat ctctgcttcg taataacaat 1860
 gatttttccc gtttatactt ccaaaatcga gtccgtcaac gacggctcat cctcttcgcg 1920

cctctttcac ccggccgct tcatccctct agcattcttc ttctggaacg caggcgacct 1980
 actcggcaga acgctagtaa tcaagccccg ctactcacta gctcatcgtc cctgggctct 2040
 ctttatactc gccatcgctc gatctggctt cattccactc tacctgctct gcaatgtcag 2100
 cggtcgggga gccatagtct caagcgattt cttctacctc ttcatgttc aaggctctgtt 2160
 tggcataacg aatgggtatt tgtcgagttg ctgcatgatg ggagccggtt acttcgtctc 2220
 ggcagaagaa cgtgaacctg ctggcgggtt tatgagtctc atgcttggtg ccggtctggc 2280
 a 2281

<210> 20253
 <211> 2288
 <212> DNA
 <213> Aspergillus nidulans

<400> 20253

aatatgcgcg ctaagatcaa gaaagttttg aagaaggccg aggctgcgca tcaagcccag 60
 acagcttgca acgatgccgt ggaagcggtt ttatctgctt taggtgatgc atctacctcc 120
 aatgcgaacg caattcagcc agcactagac cactattttg agaagatttc gcggcagata 180
 ttgaattacg agcgactcaa tgctttacag ctccaaaagc tggatgata accgcttttg 240
 aaactctata ctaatgacat caagcaagcg gaggcgaaga agaaggaatt tgaagaagaa 300
 agccgtgact attatgctta cgtcggtcga tacctcggac agcgacagga ctactgaag 360
 gaaaagaagc gagcagaaag tgactctaag taccaagcga aacgtcgaaa ttttgaactg 420
 agacggttcg attattcttc gttcatgcag gaccttcacg gtggccgcaa ggagcaggag 480
 gtcctttctc atctaactaa atatgcgat acccaggcga agaccttctc cgccgaggct 540
 aaacaggtgg atgacatggt gccgcagctt gatgccctta tccatgaggt caatcaagca 600
 gataaggaat ttcaatttca gaggacggag agggaagaga aacggagagc cctggagaaa 660
 agcagcaaca cgtaccttga gcctgatgct cccgtcagct caagcgcagc gtccacgtta 720
 cttactagcg gtaatgggaa tcagaaacca gagggagact tgggccgcgc cgatagcacc 780
 gggtcacaat tgcggagtgt cactagcagc aattcaacca catcaatcca gacatccgcg 840
 gctcccaatc cgtccgccgg ttctctgcc atgacctcag ccataaactc aagctgtacg 900
 ttctccgaag tactagttaa taacctcttc agtattacag gacgctaact cttgccacag 960

gtcagcaaag gaaagaaggg ctgctttggg cgttatctcg accaggatct catattgacc 1020
 ccaaaggaat caacaagcag gcttggcata agtaagacca tattatcgtg attattgagg 1080
 agatactgat accatcattc ttcgtcagat tttggattgt cctcgaccag ggtaaaactgt 1140
 cagaatacag caactggaaa caaaagcttg acttacacat ggatcctatc gacctgcgga 1200
 tggcctcagt aagagaggct cggaacgcag aacggcggtt ttgcttcgag gtaatcacc 1260
 cgcaattcaa ggcacatctac caagcaactt cagaggaaga tatgggcaac tggattaggg 1320
 caatcaacaa cgctttacag agcgtgttg aaggacgtag catgtatcca cctccactct 1380
 cgtcggaggc ggacaagcca tctatgggcc gagacattgg ctctgtattg acggggaaaa 1440
 gctcttcagt ttcccaccac tctcaccatt catccgcctc gagcaatgtg acccgctcga 1500
 cgacagttgg ggcgcggcct agctatgttc gcggcgactc acagggtttc gaggataatc 1560
 cctcaaagct attacaagca gttcgcgacg cagatcaagg caaccactgg tgtgcggact 1620
 gtaactctac ctccaaggtt gagtgggttt cgataaacct agggatcgtc ttgtgtatag 1680
 agtgcagtgg cattcacga tctctcgga cacatatctc taaaatccga tcaactcacac 1740
 tcgacgtcca ttctttttcg aacgatattg tggaaatcct tcttcaaate ggaaaccgcg 1800
 tcagcaacat gatctgggag gctactctag atcaggctca gaagccggtg gctcatcca 1860
 ctcgagaaca tcggctgagg ttcacacccg ccaaatatgc ggataaagcg ttcgttcaac 1920
 cactgcctc tccattgtcg cgattcccga cggcagacga aacgcttctc gctcaatca 1980
 agagaaatga cattcaaggt gtcctttacg gcacgcctc tcgcgccaac gtgaacgtcg 2040
 ccgatcgtc ccgtagcact caccgcgtct tctcgcatt agctgccgcg gaccggcac 2100
 acccgggtca aatgacgtcg agtatatct ctcgacctag cacatctacc aaggatgatc 2160
 ctttccccgt cgctgaactc cttgtccaga acggagccga gattccgtct cagcctctc 2220
 caatccctct tcccctgcc gctcaattat acctaacca gcgaactgca cgactctcta 2280
 atttcaac 2288

<210> 20254
 <211> 2288
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20254

accatgaacg aataactaaa atgcggttgt cagctgagat ccgtcatgct gtgcgctctc 60
 tctctagggc agccaaccag cgccgcttgc aatggtgtcg caattccgtc cggaacgttc 120
 atactcaggg tgtccaatca ggcactgttg gatattcaaa ctatcgatct agcttgtggt 180
 cctatgcggt acttgaagct ggcattgacag gccttggact gatatcctgg ccaactcggac 240
 cacggacgtc agtccagagt gaggagcagc cgatcaagta cgccgacaga acaactatgc 300
 tgcaggtaag caggtaacc cagtactctg caataagtgc taatcacttt cttgaattgc 360
 tgctaggggtg ttcaagctat agcggacgtt ctcgggccag acgcagtgac catggacgaa 420
 gacgacattg atatgcattc atacacagag gtttcgacat cccattgcgc aacaagacca 480
 gtggcggttg tgaggcccaa aaacactgag gaagtctcca gcattgcacg tatatgctca 540
 gagtataaga tcccgatgag tatgcctccg cgagagcgat ttataacag gcaggaattg 600
 acaagcactg caatgcatag ttccatttgg cggcggatcc agcgtcgagg gccatttcac 660
 ggctccgtat tccggactaa gtatcgattt ctccagatg aatcagatag ttgccttcca 720
 cgaggacgag tacggcatcc tagagatgga ttgtacgctt gctgatactt gatagcatgg 780
 atgtggctgt ccagccgggc gtaaactgga tggatctcaa tagagagatc aaggacagtg 840
 gcctattcct gcctatggat ccgagtccaa cggttaagtc gcttaccttt cattgtgagt 900
 attactcaca tggctccagg cacttatttg aggcattggt gctacgaact gcaggatatct 960
 ttaccgcca gagctaaagg aaaccagat cagagctgat accatgtccg tagtggaaacc 1020
 aacgcagtcc gatacgttac aatgaaggac tgggtaatca acctaacagt ggtcctggcc 1080
 gatggctcta tcatcaaaac tcgccaccga gcccggtatg tagccagat cccttgactt 1140
 tggtcaccat gaacggaact gtttatctaa taagccaga aaatcatccg ctggctacaa 1200
 cctcaccggc ctgttcaccg gttcagaagg tacattgggg atgatcacag agataaact 1260
 caaactggca ccaattcctg agaagcagag tgttgctgta gctaccttcc agtctattcg- 1320
 ggaggcggtg gcctgcgctt caaagatcat acgccagggt atccccattg ccgccttgga 1380
 acttatggac gaagtacaaa tgcaagtttt gaatcggaat ggtggtgctg gtggtagaat 1440
 gtggcgggag gagccacat tattgttgaa gtaggtacat ttctgcaatt ccctcgtcac 1500
 agcgaactcc tataactcac tttgtatgat tagatttga ggcaccagtc aatctataga 1560
 cgcagacatc ggacgagttc agagaataat cccggaggaa ggggggaaga gctttgaatt 1620

tgcgcggacg gaagcagaaa aaggtaatct ctgggctgct cgcaaagaag ctgtttgggc 1680
 gatgttggcg caaagacccg aaggtagcga gctatggtct actgatgttg ctgtgccgtt 1740
 gtcgaggacg ccggagatta ttggtaggtg gcaagtcctt gcctacctca gtgggttctat 1800
 gctgtactaa gacctgagtt cctgagttca gatctatcaa agaaagagtg cgaggggtctt 1860
 gggctattct ctagtatttt gggacatgtc cgcgatggga actttcatca agctgtcgtg 1920
 tatgacccta gtagcccgac tcagaccag atagtgcagg aatgtgttag gaaaatgggtg 1980
 cataaggcgg tagagatgga ggggacgggt tcggtttgtc ccctcgaagt actatactag 2040
 cggatcacta atttagctgg cgtatcccag ggccaacatg gaattgggct aggcaagaag 2100
 gagtgtctgc ttgaagaact cggcctagaa acagttgctt taatgcggac gttcaaacga 2160
 agtgtagatc ccaagtgagt tacttgtacc aggatcacag gggctacaac tgatgatgtc 2220
 tagttgtctt atgaaccggg ggaaaatatt tgagccttga gacgaaccac gcctttattt 2280
 acttgggg 2288

<210> 20255
 <211> 2296
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20255
 cagggggagc ggcttcggtg acatactagg tcgacgagg ccttgaatgc cgccctgggc 60
 tctgccgaac ggctgcgagt cattcccacc gtcgtcataa taggccattg cgataagagg 120
 ttgggttagc agacaaaacg atggacgaag tctgcgacca tggcaggggtg gaggcggaga 180
 gcttgacggg ccgacgggtc acggacgcac tgataaggcg aggtcgggtc agtcagcttt 240
 ggcagccaag attaatttcg aatagcaacg tcgtcaaag tagctaggat gcttggaata 300
 atgctagaac agttgcagcg atttgagacg cgagaccagg ccgcaagaat gattgggtcg 360
 ggacacagct gcctccgacg ctaagccgcg ttggccacga cggccaagg cctcgaaagt 420
 ccccggccaa atgtgccaac tctcagtcgc tggaagactg gatccagagg tccaggcatg 480
 cagatggaac aacggctctt ctctcccctg tctctttagt ctgcccctt gaggcctatg 540
 ctogaacttt acgacagtat tatgagaagc ctagataacc ccgccgtact caagttcttc 600
 tctctttctc attgtccaac tctgctctcc tgctgtaaac ttgcgcgcca aaccatctcc 660

tattgtcaat tgacctatcg tggctctgtca atctgaatcg tgatatctat ccgatgcttc 720
gtcatcccca ctttatccgc agggctgagt agatgccaca gcacgttctc gcatttgata 780
ttcgggtcgca tctattcacc atttatcttt atccttactg tctcgtatat tcaacctgca 840
tcgttaacac gtttatagag ggagatggcc gtcgaggggt cgtcgcctgt ggccgtgtcc 900
accaacggca ctggcactgc taataatacc aatcatctta atggccattc ctctaattggg 960
tcaaagaaaa tggctaccag aaagacagcc atttatcgac atgctgtggc tgttcaactcg 1020
caagtccagc actcatgcct cagcagggac tcgaccaagg ctacgagttt tattggattc 1080
cggaacctga tgggtggctgt gttgggtgag gatatcgctg tcttgactac attgatacta 1140
tgctgactct cgatagtggc catgaatctt cgcctagtga ttgaaaactt ccttaagggtg 1200
agcttcttgc atatgacgca atgggtgggc tcgtttaaca agccgtagta tgggtgttttg 1260
atltgcatca gatgtcatga ctatcgcaaa caagacgttg tgatcggagc gattctcttc 1320
gccctggtec cttgccagtt gctatgttcg tacttcatcg agttggctgc ttctagggcat 1380
gctcaacgcg ttatcggtcg agcaaagaaa caggacaagg acaggatcct gaacgagtct 1440
aaaaggactt ggctcgccat tgcgctgctg cattctatta tcagcttctt tgggtctggct 1500
gcaacaagct atgtcatctt ctactacgtc aaccaccccg ggatcggcac tgtctgtgaa 1560
gtccaggtga tcatcggtgc gctaaagtcg tactcgtacg cactgacgaa tcgcgacctc 1620
cgtcgcgcta tgctcggtc tccgtcggcg gactctgata tcccagaact ctaccggtct 1680
tgtccatata cgcggaacat caccctgggc aatctagcat atttcctttg ggccccaacg 1740
ctcgtatacc agccggtcta tccccgaacg cctcgcattc gctggtcttt tgttggaag 1800
cgttttattcg agtttgtttg tctctcagtg gttatgtggc tactttccgc gcaatatgct 1860
gccccctcc tgcgcaacgc gaccagaaa attgccacat tagacattgc atctattttg 1920
gagagaggac tgaagctctc cactatctct ctcgtgatct ggcttgctgg gttctatgcc 1980
ctcttccagt cactgctgaa cggactggct gagatcatgc ggtttgaga ccgcgagttc 2040
tacacggact ggtggaacag cccaagtttt ggcgtgtact ggcgatcctg gaatcgccct 2100
gtgtatatat tcatgaagcg gcatgtttac atgccagtcg ttaccgggg ctggaaccca 2160
acgttggcag gtaccgtcgt cttcgcggtt tccgccgtgc tgcacgagat cctggtagga 2220
gtccctacac ataactctgat tggatatgtt cctcggacac aatcctaagg ctcttgctga 2280

cgatgtagg tgtcgc

2296

<210> 20256
<211> 2302
<212> DNA
<213> *Aspergillus nidulans*

<400> 20256

aatccccgt ctctctaaa cttactcttg gctaatcgca ccacaggata ccgtctatga 60
gaagatgtcg gtggaagact atgccagggc catccggccg aaagtacaag gtagctggaa 120
cctgcatgag gtgttggtccg acgtggatct ggaatatttc atcatgctat cctcactgaa 180
tggaataacc ggcaacgtga gccaaagcgaa ctatgccgcg ggtaataacct tccaggatgc 240
gattgcccgt catcgcagcg cacgaggact gccagcggtt gccattgact tgggaatggg 300
ccgcgggggtg ggatatgtcg ctgaaacgga cggagtggcc aaccgacttg agcgcattggg 360
cttccgcgcg gtggatgaag aagaggtcct gcacctcatc caggacgcga ttttgcaccc 420
aatccgccat gccactgact cgcagatcct taccgggttt aattcccac cgggggccgg 480
taacacgaat gtattctggg ccaaggaccc gatactgggc ggcgtcctac gcgcaacggg 540
catcaagtcg aaaacacgat caaacgggt tcatgatgcy atggacctcc gcgaacagct 600
ggcgaatgtg ccactcccag acgatcgatt ggttggtgctt cagactgcc a ttgtgcgtaa 660
gctagccgcg atgttcttcg tcgacgacga aaccattcaa gtgggcgaat ctctcgctag 720
atatggagtt gattcgctgg tggcagtgga gttgcgtaac tggcttgctg tccagctggc 780
aatagagggtg tccattttcg acatcatgca aagcgcgtct gtgaagcagt tggctagcag 840
tcttgccggc aaatgggctg ctgtgccgcc taagcctcga atagcattcg ctctgaaaac 900
tatcttgta tgtttttgat agatgctcgt tcaggagtta gtccggtaaa agaaaatcaa 960
actcgcttgc taagacgacg atactgttag gttagtagtt agtagttgtt agccatagtc 1020
tctcaagtca tcggagtgcg tccaaactta atttcgatat agtaaggcca gagaagaata 1080
ctacgatagc attccgttgt attgggtgtg catggtttac aggtgctaca gctcgatata 1140
ttaaccaagg gactgcttgg gccggattat tggatgatg tcagttgcgg aagtccttag 1200
ctatatcccg cccatgcacc ctgatataatt ctttcatagt ggataatcga cacttgatgc 1260
agccctgagg ataccatggg gtcataaatt ctgcgagatt tattcgaaca gcgggagttc 1320

caaccaata ttccaatcga tttccttacg tagtcgcgta cggcagtatt aactgatgca 1380
 tgtaccagag gaattcctag caccacgacc actatactat tggcatctgc taaggcatct 1440
 acttggtagt tactagggga tccaagtgcg catggacgag tgatttgttg agagtctaaa 1500
 atcgtatgag gtgcgaaaca tctacagtaa tactcaataa gcattggcgc gacgactacc 1560
 tactactacg agtatccaaa caccaggctg gaattgcgat tttggacca acagaccatg 1620
 ctttccatcg ccctctgcc tttgccgctc aaccactcat acgcctaaag gtttccgtct 1680
 tttcgtcgtc gcaccagcac ctccaccgtt tcatccggca tattctgcag ctogaatgta 1740
 tagttagcgg gccgctcagt ccgacctcca gcaaattgga aatcatagtt gagcaagaaa 1800
 taggccatga tcagctttat ttcgttggcc gcgaagaagc gccagagca tgcgtgcttc 1860
 ccgtaccccc agctcagact tgacgatgcg ttggtggtga caaacccggc cgtcttctct 1920
 ccaggagctg aggggacaaa tcgaaacggt gaaaatgtcg agggggatgg gtagaaatcc 1980
 ccattcttgc agatcgcgtg ggccgggcacg ccgatgatcg tgcccttttg aatcactagt 2040
 ccgtcatgga ggatgcggtc tgactggatg actcggccaa aagtgactat atatgattat 2100
 gtcgtccact gtcagtgacc ggatggcttt tgtcaaaaaa atggacggag ggcaattgac 2160
 gggactcacg gagagagaga ggattgaacc gttgagattc cttcataaag ctgtccagct 2220
 tgagcagttt attcagagcc gccttgggtga aaatactccc ttcctcgcga agcactgatt 2280
 cgatctcttc tcgcagcggc gc 2302

<210> 20257
 <211> 2310
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20257

agcttctcaa aattaacact tgaacatact gcatacttct ccaaggcagc ttaaagcgag 60
 agttggagac acagcttctg tactccaacc gattatcggg aagttatccc ttccgcgagg 120
 acctgccgga ttgggatctg acggtttcct tcggtgtcag agcgtcacat gacctggata 180
 gtgcttgaag gccatagtag agatctttga gttataccat ctattctcag tctttcgaga 240
 cgcttcagtc tttaaaaaac tcatcttcaa taggaaaaat catcgaattc attggataaa 300
 cgtcagtcce ccgatttctt gttggtagtg gaccgcggcg aggcgcttat ctgcgggtct 360

tatacgtcca actgtccgcc tccgcgcccc ctccgcatcg gtataaaagg caccaccgca 420
acattggccg cccctctttc aatatcactc ttcgttacac cgtcggagaa cgatgcttcc 480
accatttgat tacttcacct atcggcgtgt ccggttaagt acctggagtc acgggcacaa 540
aaagaatgtc gtttcttggt ttggttgctg acccacgtag gaccatcaag cgccaggaaac 600
gagctgcgcg gttcgtttct ctgcctccag actatcatgc gccctttaca tcagcggaca 660
aaaggatagt ttcggagccc attgaagagc tcgtacagac ggtccaggag ggcacgctct 720
ccctgtcga tgtcctccg acgtacggca aggttgctg ataagcaca gagaagacga 780
actgcattac agaacttcta cttcccagg cggaacactg ggctcagact gaggtcaacc 840
tcaagggccc gttggctgga gtgccgctc cgttgaaaga ctcaatccag gtcaaaggg 900
tcgacatctc actcgggtac tcccgtctgg cggggaaacc gtatgcagag gatggcccgc 960
tggtgaaact gttgaaagat gcaggtttgt accctggccc tgtatgtttg gccctgtatg 1020
ttagggaggc tgaccattgc aggcgcggtt ccgtatgcga aaacagcact ccctgtgacg 1080
cttctgtcgt tcgaatcggc caacgcgctc tggggaccct gcctcaacc tcacgtaccc 1140
cagtattctc ccggcggatc aacaggcgga gagggtgctt tgctcgtctt gggtgcccgc 1200
atcggtattg gctcggacgt cgcgggttct gtccgtgttc ccgctgcatg gagecgtatc 1260
tactctctcc gttgcagtac cggctcgtgg ccaaagaatg gtgtcaacac cagcatggcg 1320
gggcaggagg gggtgccgag cgttttcagt ccaatggctc gtacgttaaa tgacttgacg 1380
tactttaccc gatcaatcat cagcatgaag ccgtggaagt acgattacac cgttcatcca 1440
atcacctggc ggagtgagga agagagcgag gcaaagagca agtctctgag agtcggattg 1500
atggcaactg atggtatgtc ccaagtcgcc taagtagtat cataactaatt gaacaggcgt 1560
cattcctccc actcgggcta ttcaacgcgc tgtgactacc acggcggctg ccctttctgc 1620
tgcaggacac caagtctcgc agatcacacc ccagcgcact gcggaccgt ttaccggcct 1680
tcaccttgcc tcgcagctct tgaattcaga cggctgcgag actttcaact cgcactttta 1740
cagcttcgag ccgtccgatc cgggtgctgc gcaactgtcc ctgattgcaa acctgccccg 1800
tcctcttcgg tacctctact acctctatgt gcggtatatc cgccgcgatg agaaatgggc 1860
aactttgatc cagagcttcg gttccaagag cgcagcccag caatggaagc tcgtcgcaaa 1920
gcgcgaggct tccggtcaac ctggcatgcc tggtgggacg ctgagtcaca gcagtacgac 1980

ttatctctgt gcccggtcaa cgcgacaccc gcgcttccac acaaggccat gaaggacgct 2040
 gtctcgtctt gcggatacac ctttctctgg aacctgctcg actacaccac cgggtgtgctg 2100
 ccgggtgtcgc acgtcgaccc gaagaaggat gctctgacgg ctccgtataa aacggttttg 2160
 aagcagctgg gggccaacca tgctctcgcg cagggtgcct ggaagcacta cgatgcgtct 2220
 aaaatggcag gcctgcccac ggctgtgcag gtggtcggta ggaggtggca ggaagagaag 2280
 gtgctcgggt acatggcggc cgttgagagc 2310

<210> 20258
 <211> 2312
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20258

tctcacctgg ttggggaact ggaaacaggc tcagcctgga ccgccgccgc tcgtcccagt 60
 caacctgact atcttgcgcg atggcgaggaa taagtcgagt ccgctactac atgggatcat 120
 gttcgaggta cctaccccca ccgacaattg ttacaccccg tgagagctct gcaggctgta 180
 gacgtagctt tgacttacgc tggacaccag gaaatggacc attcaggttt ggcacccatc 240
 cacctgtctt ctgatatgcc acctttcttt tagctgcccg gactcggcat gatagtgcg 300
 gccaacaggc gacggcggcc tccatggaaa cctccttata aacaacgggt ttcaaggcga 360
 cgaccggggg ctgactggct ataaagccat tgggagtgtc caaatcaaac aaagccctag 420
 catgcccttg tcggcggcga taaagtcgtc tctgtctgtc tccgtgcgtg cggacgcaaa 480
 ggggctcgtc gggttcgcaa aactgggta caacgggatc accgtgctga agcagacgta 540
 ctggaccagt ttctacatga agggcgagta cagcgggacc gttttactga ggcttacggg 600
 gacagacagc ggaactgtgt acgggagtcg gaatctctcg gtgaaaagta ccggtgggaa 660
 atggacgcag tatgagacga ctttcgaggc aaacgaaagc tatgtcgcgg agaatgagtg 720
 gcagttgctg tttgatgcgg ccaactgcaaa gggacatcct ttgcattttg ggctcgtgca 780
 gttgtttccg ccgacgtata agaacagggt ggttcatttc tctaggaatg aagaatgcaa 840
 aatagggata actgatatga tctaaactag gactaacgga ctgcgaaacg acattgcgcg 900
 gccaatcgca gacctcaagc caaagttctt acgctttccg ggaggcaata atatgtgcgc 960
 ggcgagtcgt ttaagaacgt atggatcagg ctaatgatgc agtgagggac tcgatatcga 1020

ctcacgctgg aagtggaacg agaccatagg gccactgatc aaccggccag gacgagagag 1080
tcagtatatg acccaatcct tgggtctcctg tgagaaccag acaagctgac cggccaggcg 1140
actggcacta cccaaacacc gacgccctcg gtctggacga gtatctctgg tggtgccaag 1200
acatggatat ggttcccgtg ctgagcgtct gggacggcaa gtcttacggg gggatcgtct 1260
caggcgagga gctgcagcct tatctcgatg atataaagga cgaactcgag gtaacccttc 1320
cccttactct tctttctcac cctctccgag cctatctaac cccaataact aatgagcagt 1380
acctcctcgg gccccatca acgcccttcg gcgccttgcg ggcacgcaac ggccaccag 1440
acctctggcc gatccagtat attgagattg gcaacgaaga cgactacagc ggtggttgtg 1500
acacctaccc agaccgtctc gtccagatct acgacacgat ccacgcgtcg tacccaaacc 1560
tcaccttaat cgcaaacaac atggacgaga actgtctacc agagatccct ctgccgggac 1620
tctggcacga ctaccactac taccggtctg ctgacgacct cgtcgccatg ttcaattact 1680
gggataacca cgaccgcggg gacagagtat tggtggtgta gtacgggtgt cgcaatgaca 1740
gcaacccgga cggcgtgttt tggagcttca tgcaagggtc ttgtgcagag gcggtgcata 1800
tgattgggct ggaaaggaac agcgatgttg ttatgatggc tgcttatgcg cccttactgc 1860
agcatttcgg atatacacag tggtcggtgt gtactccctc tgcctcccta gcctatctag 1920
ggatacaccc tgctgatcgt ggtgaggaac agccaacact attcggcttt gaatcgcgcc 1980
ccaacagcct aaccctgtca acaagctact acgtcaaccg catgttcagc acgaatcaag 2040
gctcgaccgt gcacaagggt cactcaacag ccgggttttg gcctctatac tgggtcgcca 2100
cgtccaacga gactgcctat caggtcaaatt tggccaacta cggcgccgca aaccagaccg 2160
tcaatatccg ggttcccggc gtggggaggg gagtgctgga gatgatctct ggtcctaagg 2220
atgcgagtaa tctgccgggg gatatcaaga ttgtgccggt ctcgagaaac attagagctg 2280
ggaaggaggg gtatacgggt catatgccac cc 2312

<210> 20259
<211> 2317
<212> DNA
<213> *Aspergillus nidulans*

<400> 20259

ttttctcctg acgcctgctc ttttactgat caagttgaca aaggatgact gtcaagcttt 60

agcattcgtg caggatgcta tgcgcttttt attacgacat taccacactt tgtcacactg 120
 gccactgcaa atctacagct ctgccatcat tttcagtcct gaatcaagtg ttgtgaaagg 180
 cgaaaacctt cacaaagttc ctgtatggct gggaagagct cctcctatgg aggatagttg 240
 gacgcctatg atacagacac taacaggtea ttcagaggct gtctggagag tcgctttctc 300
 acctgacggc aagcaaatac catcaggctc tgacagtggc ttgattaagc tctgggatac 360
 tactacaggt agcctccaga agacactatc agggagccac ccgaaaaggc gatatcaaatac 420
 acagcaggag caagtcaagg caatggcgctt cttaccagat agcaagctga ttatatcggtg 480
 ctattatgat ggctctgtta tgctctggga taccaccaca ggtgaccgtc aagagatagc 540
 cgaccacttc ggcatatcaa aggtcaatta tacctacttg cagccacctg aacagggcgg 600
 gtacggcctc cagcagggg ctttctcggc ggattgcaaa cagattgcag cattcggttg 660
 gtcgctgat agtacatgta tcatgctctt tgatactgct acaggggacc tccagaagat 720
 cctaaaaggc cactcacatg aatgctcaac tatggccttt tcgtcagaca gcaggcagct 780
 tgtaacaggc tctgtagact gactgtccg gctctggaac actaccacag gtgacctga 840
 aaagacgttc gttggtcaca caggaacggc tttgagtgtg gccatttcat cagatggtag 900
 gcagattgtg tcaggctcta ttgaggcgt caagttgtgg gatgctgcaa caggggacct 960
 gctcaagaca ctggcaagcg gttttgccgg gagtgtggcc ttttcacccg acagtaggca 1020
 gatcgagca ggctttaaaag atggcaaaat ctttatttgg gatgctgcgg gcactcttca 1080
 gaagacgcta gagcgccatc caggggcaat tatgtctatc gccttctcac cagacgtcaa 1140
 gcagcttgtt acatgctcta ctgattcgac aatcaagcgt tgggatatta ccataggtgg 1200
 cgttcaggaa gctgtaggcc actcaaagca tgttacaact atggtccttt caccagacgg 1260
 caaggtgatt gcgtcaggct ctgctgacaa gactatcaag ctttgggatg ctgcaacggg 1320
 cgatctccag aaaaccctaa cagggcatct agacacagta gagaagggtg tcttttact 1380
 agacaacagg cagatcgtct cctgctcctc cgaggcagtc aaaatctggg atgctgccac 1440
 aggtaaggtc cagaactcat ttgagagcga tgacgtgttc acaattgtgg ctgtctcacc 1500
 tgacggcaag cacatcgcat caggccattg taacggcagg attaagctct gggatatggc 1560
 cacaggcagt ctctaaaga caatggcggg ctacagaagc aaatttgatt ccctggtgac 1620
 aacagaggtt ttcgatatcc aactccaaga agcgatcttc aatacccaaa tcacggggct 1680

gggttttctct cctgatgcc a gctaatttt atcaacgtcc actgatagag ccattaagct 1740
 gtgggatgct gcaacaggag acctccagaa gagactacca tgccattcag acagcatcat 1800
 tactgatgct ttttcacgca gctcaggcta tccaaactgg atcttttcag tggccttttc 1860
 atcagacggt cagcatatcg cggcagcctc tgctgataaa accatccggg tctggagcat 1920
 cgaaaaatcc ctcaaagcct caaaatatct gggccgcgct gtcggtagtc atatcaaate 1980
 gtccccgccca tggaaggaga ttaagccatc cgctcagggtg tatgacgtga tatttagccc 2040
 aggcaaccaa taccttgcaa cagacattgg accaatacca ctagagagca ccccgacaaa 2100
 aggagaaggg gagcggccag tgaggtcgga ttcggattcg gattcggatt cattgcagag 2160
 cctgtgccac cgagatcagt gggttatgcta tggggcaatg cccttccttc ggctgtcgcc 2220
 ggacttctat gttactcggt gggatgcgca cggatgatga gtggttgctg gatacgacaa 2280
 tgggtcaagtc tcaagcttta atatcgatcg acggagc 2317

<210> 20260
 <211> 2323
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20260

caaagcccggt ctctcgctac cgataactccc gttacaactg gtccgtgtggc tggacaggat 60
 aaagtgtgctg gccagtctga gaaagccctt actgacactc ccgacgggga agaaccgaac 120
 gaccacgaga acaagactct gcgtcatggt gccgaaaacc ttccactttc cgcttggtta 180
 gttgctattg tcgagctgtg tgagcggttc acatactatg gcatgtctgg attattccaa 240
 aactacgttc agcgtcccta taacggtggt gcgcaacccc ctggtgcgct cggatatggg 300
 caccagggag ctaccggatt gggtaccttc ttccagttct ggtgttacgg ttctcttcc 360
 ggcccggctc gagcttagga acgaattaac gttgggatct agtgacacct atcattgggtg 420
 cgatcattgc cgaccagtat ctgggcaaata acaagaccat cgtcctcttt tgccggcgtct 480
 acctcgttgg tctgctgac ctcgtctgca cgctcattcc aaccgcccctt gaacatggag 540
 ctgggcttgg aggcctttatc gttgccattc tcattatcgg tttgggcacc ggtggaatca 600
 agagtaacgt tgctccattg gtaagtcagc ctacaggttt ctctaaccgg ttcaccgctg 660
 attcccctaa gattgcggac cagtacaagc gcaagaaaat ggctgtctca actacaaaaa 720

agggcgaaaa agtcatcatc gacccggcgc ttacgattca acgcatttac atgatcttct 780
 acggctgcat caacatcggg tcgctttcgc tgctggctac cccttacatg gaaaagtaca 840
 cgggattctg gtcggcttac ctgctgtgcc tttgcatgtt cgccgttggc acggccggtta 900
 tcgtcttggg acgcaagtac tatgttgtec gtcctccaca aggggtctgtc attaccgacg 960
 cattcaaagc tctctggatc atgggtgtca accgcaacat ggatgcaccc aagcctacat 1020
 ggcaggctgc aaacgggtgga ggcagaacca acctgccctg ggacgatcac tttgtcgacg 1080
 agctgaagcg cgcccttgtc gcttgccgcg tcttcgcctt ctatccgacg tactgggtcg 1140
 tctatggtca gttctcgagc aactttgtca gtcaggctgc tcagatgcag gggcacggca 1200
 tccctaacga cttgatgcaa aactttgatc cgatttccat cattgtgttc atccccgttc 1260
 tggaatccct ggtatacccc gttctacgtc gcatgcgcg cgggttcgcg ccaatctccc 1320
 gtatctcgct cggcttcgtt gttgcttccc tggccatgat gtacgctgct atcgttcagc 1380
 atttaatcta ctcggtggc cctgtttacg agcagcctct ttgtgatgct tccattgggt 1440
 ccgatgggtc gacctcagc aacaacgtcc acattgctat ccagacgccc gctacttct 1500
 tcatcggtat ttctgagatc ttgcgctcgg tttctggtct ggagtacgca tacacaaagg 1560
 cgccgccatc catgaagtct ttctgtcagt ctatgtacct cttgactaat gcctttgctc 1620
 tgcccttgcc gaggccttga cgcccgctgc atttgaccct gctattatgt ggatgttcgt 1680
 tgggttggcc atcgcatcgt ttgttaccgg tattctcttc tacatcatct accaccgct 1740
 taatgcccga gaagatgcta tgaacgctct tgatgccgac gaccccgatg ttccggttcc 1800
 gcgtatctcc gatgagaaga agaaggaaga aaactagtca tggagttaa tttgatttcg 1860
 aatgaagat gatttgacgc tctacgagcg gtctatgcat aatgctaata cgcgatatgt 1920
 tgcatacgcg tcgctgctga gcagacgacg gttcaggtgt aaatagttaa tttttctctc 1980
 gagaatctcc acatatccag atctccattc actgaccgcg gctccgtatt cgtagagctt 2040
 tcgaacgaaa tctcacacaa accatcccgt gagtaccga ttttccagat ctctcaccgg 2100
 acaaaccatt caatcttgtc cctggagccg ccgctcaact ccgctcgact tgccctacac 2160
 tgaagaaaat aggtgaatcc ctattaaaaa taaatatagc gtgataggat aacgaattga 2220
 aagttaagaa ttcaaatttc gaagctggtg tgaatcttga ctaaactctca tttaacacta 2280
 tccgacagga gaggcagcct caatttgacg tccggcgaat cgg 2323

<210> 20261
 <211> 2332
 <212> DNA
 <213> Aspergillus nidulans

<400> 20261

```

ccgataacac cgaagagcct ggtgatagtc tgactgcagc aatcaacctg attccctcct 60
tctgctgcc a gcaagttat tttgtagggc tgtgcctctc attctagttc caacttccca 120
acaccattta cgtttggaag ctctattgtt tacacgcctc gcgctcgccc atgccgctca 180
gcctctagaa cctcgccaat cgccaactcg ttcaatccag gtaggcactg gcaatggaga 240
attacctgcg tgtctggcga cagcaggcga aagttcgtgg ccagtatgat gccgccgtat 300
tcattggaga caaagtcctt gcgttgacaa gtgagctctt ctgcggtttg cccccggca 360
accgattaac ttcgatgcat agacagtgcac gaagatgccc tttggctggc cgaagtacat 420
ttttcgaaca acaactacac gcgagctctt gccatcctct cccgtcaaga cctcatatcg 480
cggagcaccg cctgccgcta tcttgccgcg cattgctaca tcaaacaagg ccagtacgag 540
caggccctga ccgtgctagg cgaccagaac ccaaccctatc taatccgcag caacaaaagc 600
cgccgcaaaa ttcagcacct caatgggcat agtcgaataa cactccgcaa tgccaagtca 660
cgctatgaag atcgagaccg tgaagatgct gggaacattc gatatgaggc gggcatgtgc 720
taccttcgag ggctctgttt cgccaagcag aatgcattcg atagagcgcg cgactgctac 780
aaggatgcgg tgcggattga tgtgcagtgt ttcgaagctt ttgaccagct catgaaaaac 840
tcgctcatgt cgctgcgga agaacttgaa tttcttgagt cgctggactt tgactccata 900
acaggtgccg acgcgccaat ctcgcaagaa gcggccgact ttacgagaat gctgtacacc 960
actcgtttat cgaaatactc ctctccagcg gtgcttaccg atgccactga aacgttatcc 1020
actcactaca aactggccga gaatccggac attctcctgt ctcgggcgga agctctatat 1080
accagtgtc ggtttgcgga agcgctagag ttaacttcat cgattctttc cacgtcccgt 1140
tcctccttat cagcccagac gaccgcaggc caaaaccacc tcggtcactc cccactgta 1200
tactctctac atttggcctg tctatatgaa acgggggcaa caaatgcact gtttctcctg 1260
tctcatagct tggcagatca ctacactgag gaatcatata cctacttagc cattgggggtt 1320
tactacctat cagtcgcaaa aattgcagaa gcacggcggtt tcttttccaa agcgtctttg 1380

```


ctggatccac attccgcacc cgcttgatc gggtttgctc acacttttgc agcgggaagga 1440
 gaacatgatc aggccattgc cgcatacagt acggctgcgc gactattcca aggcagccat 1500
 ttgcctcagt tgtttcttgg catgcagcac cttgcgttga acaatatgtc tcttgcccaa 1560
 gagtatctgt gtgctgcgta tgcgatgtcc acgggaacag ccaccggcac agttccgtca 1620
 ataccctcgt tgccgtcgtc cgagatgtcg cccctgggcg gagatccgct ggtgttgaac 1680
 gagctcggtg ttgtgctcta ccaccagaat cacttgaggg gcgcggtgga tttattccgc 1740
 caggcgctcg gccttgcgac atctcttcga tgcgagccag gcgcctgggt tgcgaccga 1800
 tctaattctg gtcatgcatt gcgtcgttta ggtcgatact ctgcggcatt ggatgaattt 1860
 gacgagtgcc tacgaatcgg gtctagtggg gcaagtcttg ggtatagccc gttccttggt 1920
 ggaagcggag gcaatgcctc tggagtggcg tcagccggcg taagtggcta cgaggaacgt 1980
 gggctgattg ggtcattgta tactgcacga gggcttggtc ttttgagat gaaccgcact 2040
 cttgacgctg tcacaacct ccacgaggcg gtgcgtgtgt tgggggcccag tgggggtggg 2100
 gacgctgctg gtggggcggg cgctcgctggg accctccttt cacgggcgtt ggagatctgg 2160
 gccttgga aa ctcgcgaaac agaagccggg ctgtcagaag acggcaatcg ggccgctaaa 2220
 agctcgacgc gatcgcgga caagggcaaa agccgggctg ctcgacggcg aatagccgcg 2280
 gacgactcat acgcagaaca gtggattgac gaggtaacgg gtggcgctcc aa 2332

<210> 20262
 <211> 2342
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20262

cggatgaacga cttcttggca gtccattat ggcttgctgc ctactgttgt aagtctgaag 60
 aaaataactca tctttcactg cttaggtgac ctggcactct cgtccatta atataggagc 120
 tccggcaaaa taggtaagca aatgcatgga tcagccatta gagagtcgac ctacggaata 180
 gcacagtatc actcgactca atgaatagcg aaatccatca taatgaccag aatttgaaac 240
 ctctgctggg ttgcgtata aggctgtggt tcttttttct tctcaccggc ttcacacct 300
 ccccaaagcg gaaacttacc acctgcgcc ggccaacttg attgcaatca aacaaccgg 360
 gtattgccat caaacaccgc catcttgctt gccgatgaac gcacactcaa catgccagga 420

tgaccccgcc cgcagttaat aagaatagtc gcccgcgccga tcctgcgcgc cgcataacgg 480
 tctcgggggtt ggaagtgacc gtacaaaact ccaccgctaa ccagtttctc gcgggggccc 540
 ctcggaagc gaggtacgcg tggatgaatt ctctctctgt tcagcgcgac gaccagactc 600
 agacgacagc actcccaacc ccggagcccg cagcttcagc tcgtgctttt gctgctcgtg 660
 ctctctctgc tccagcgtct ccagcttctc cagctcctcc gatgccagat ctcccgccct 720
 cacaccagaa tctcgctca ttccgcagta atcaaagtgc tatcgctcg cctacgccc 780
 caattccccg aatgcagcc actcgtctcc agacttcacc ctcttcgact acaataccgc 840
 agcagaagca gagtcaggaa agtctggaga cacagaagca gggctgtctg gaacagcagt 900
 cggctctctc acttccatcg ccggacccca ccattcccc cagatcgcat accagtccga 960
 tagctgccgg cgagagaaat gggggcccca ttgccagtcc ctccatgact gctttcccgt 1020
 cgcctccgct gcagcaacat gttcaaate aacggcgctc gcaaccaaat ggttctactg 1080
 taggaacatt tccggcctct attccgtgtg tggatcgatt tctgtctgcg ctgctgtctt 1140
 ccactcggga ggcgtatacg gaggcagtga cttgaggtct gctcgccgtc gaggtccagg 1200
 tcaaggtcgg tccaggtcgc ggattgagag tgcgtgcggg agtgccggtat gtagtattgt 1260
 gaagaaacaa ggggcttgtg agcgagcaag aatgtgatta tccagggata atgatgat 1320
 ctttgaagac tcgggagttt cacaacattc aacatgaacg gccgcgagcg ccgcaggtgg 1380
 tctatatact gcctggacag aggtacttct ggcacgagcg tgctgtaaa tcattctatt 1440
 ttctgcctag aacaaaaccc ccctattctt cctaggtttt gggctctctg ggacggaaat 1500
 gacctcgact tgacggcatc cactcgtga ttgctgggtg tcatgttaat gacttttccg 1560
 gcggttgtct tgcaggtctc ttgggtagta gtaatcta tgtacactgt acgtggtacc 1620
 gtgacttgtg cgagttggaa ctcttgctc ctcacggtac atgcccgacc caacctcaa 1680
 cctcagccta ctcagatgag atccgatgcc atcttccca acccgcgcca tggcctcgat 1740
 cttagcctct gttggtctc gatgactcgt tagcacctct cgttctcatt ttccggtgct 1800
 attttagcaa cctccttttg cgagtgcgtg atggggcggt gctagtctct tcctcagggg 1860
 gggggctcta tctttgccac tccttgactg ctctggagcc tttcatttct ccgtaggcac 1920
 tcaactcatt atctactttg gctgagactc cgaccagcgc cgcctcctga ttcaggttct 1980
 tgttcaaggc gccctgcaa acgctgctt gccggacctg gcctcgcggg aggttccatc 2040

tatcaattcc caagtttcaa ctttccagca gagtga¹¹gcgc ttcgaggaat tcccagagac 2100
 tgtcggggat ccgcaggtgg gggatatgatg ttccagattg acttcttctt ctccctgaaa 2160
 aggagctcat acccaccga gctccatgct cttctcttcg aaccccgttt tcccgaatag 2220
 cttatttgca ttaccgctag cagcctacgg agcccgtcgg cgacctctgc cagtcataat 2280
 aatattat¹¹ttt acggagtttc ggagcatacc aatcaagagt cgagtcggat gccttg¹¹tttt 2340
 gg 2342

<210> 20263
 <211> 2342
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20263

catggtcgac ggttgcgac atagaggttg gtgatccaaa catgccgacg aagttgggg¹¹t 60
 ctttgttga ttttcgtgcc gaggtgtaga tttcatcgta gaaatggggg tctttgacgt 120
 gtatctccca aggagttatt cgcacaatag gcccttcag cgagtcaaca cagccatgat 180
 cagtttggtg gatggagcaa gtaccgtaaa cttggtgcat ttgctcaatc tcccacagga 240
 actttcccc tcgaacgaca tcgtggtaaa attcgtacag accggttgct gctgtgattt 300
 ttgggccggg gaatctcgta agaggatgga agaaaaggcg atagactgtt ctggtgagat 360
 agaaagatat gatgagcaac aatggcacct cccatcgcat ccaactgggca acagtcattt 420
 cgggcatatg ctgactgcgt agaaagggga ccgggtagtg ttagaagtct gatgataatc 480
 ttattatata acctccaaga agatttgctt tctgctcaag acccttcaga ccacctggta 540
 tcgccctatc acaagtctat ttgataaagt ctaaccatac cagcgggac¹¹c tagggcacag 600
 ttatataatt actcagtgg¹¹t ccgcgaacc tactaaagt acatgtctaa taagaacca 660
 tatggtgcag gttcaaatac tacaggcaag gcagattgtg ttaactgaac cagaatcatt 720
 ggagcccttc tagcggatat agttggctca acagctgagc aattaacttc gatctagagc 780
 tctattctga tctggaatga acacgttatc accaacgtcg tcgctatcag agctttattg 840
 gttctgggtt taaattcagt ttgtcagagg ctctaattg gctttggcta tctcaattcc 900
 gtttcaagcc atgggccagc gagtgggatg gtaatttgtc ggcacatttc atttcagcat 960
 gagggtgacg ctctatgccg ccgatacgca taaaagtcca acacctaact agcgccgcta 1020

accetggcta ggagcgcac atggacaaaa tctcggttca agatctagcc aacatcctgg 1080
 tcgactttct caaacgggtc aactacaatg ataccgccc cctcccctgg aagagctgaa 1140
 gcctttgtat gacttcgtcc ttccgtacat tcccacaatg agaaaatcgt ccgagagctg 1200
 gccgaatacg cccactgcac gttcccgttc cttccgctcg aggtgcgcca agccgtggcc 1260
 ctttatgaca cgttccagat gtcggtcgac gacctgccag tcgagcaata cgacagtctc 1320
 catgacctct gtgtccagct ctcaagcgga gaaacagtaa aacacccggg ttggaatgga 1380
 tttttcaact ctcttccaat ctttctccaa tattacggtc cgtacgcgca gacgaccctt 1440
 tttcgcgggg cgctggaatt catccaggcc acttgtctcg agaggacgct gttccgcgga 1500
 tttcccggtt cgctgtaccc tagctatgtc cggcgcatga ggggccaagg tcccgtccag 1560
 gcagccgtct gcttccccga ggccgagttc ccgcaggaac aatatttgcc attaattgag 1620
 tcgctggagg cggagctgga atactgtcga ctagaaaata tgactgtcta agactaattt 1680
 ggaagtcatg acgccttttt ggcttagcgg tatattttac cgatagttat gagcccgggt 1740
 ctccactacc agtgaaaatt cctcatacca caccgaagga tcaagcgttc gaatccagtt 1800
 tgtggcattg tacctagtat aagtcggtgt tagaagatat gaccgcattg ggtagtgtcc 1860
 agaaaacatc caagatagct gaatgtata aagaaatgat acagtttggg tgtctgtaat 1920
 ataaggatca tgtgtaatac aagggtatca tttgtattac tttcagtatg gaaatacaag 1980
 tctttcatac tgaggggggtg tgtcgactag aaaatatgac tgtctaagac taatttggaa 2040
 gtcatgacgc ctttttgggt tagcggata tttaccgat aaatactttg taggaccggt 2100
 aaacgacctc ttttcatttt ataaggaaag cggtacgcat tcgaacggat caattacca 2160
 ctcaaggagg cgacctgcac tggacagtcc gttctggaca ttctgaccga tttggtcaac 2220
 accgcgacgg ggtcgtgggt cagagtaagg aagatcctgg aggcagtggg ggacaagagg 2280
 ctgtctgatc gcgtcggcga attcttccaa ggatatgtcc ggcaccacct ttactgcagc 2340
 cg 2342

<210> 20264
 <211> 2347
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20264

cgcccaagga gaaggccaag attatcaagg atgtgactca actcgtgctg tcccgcgga 60
 cgcggatgtg caatttcctt gagtacaaag gtaggctaag gtcacatcg gagccggggc 120
 ctacaactcc ccgcgccggc cacgatgact caagagtcaa ctctaactac ttgcctcctg 180
 cagacaccaa agtcgtctac cgccgatatg cctctctctt cttcatcgcc ggatgcgctt 240
 cgactgataa cgagctgac acccttgaaa tcgtgcaccg atacgtcgag cagatggaca 300
 agtattacgg caacgtatgc gagctggaca tcatttttaa ttccagaag gcgtacttca 360
 tcctggatga actggtgctg gcgggcgaga tgcaggagag cagcaagaag aacgtgctga 420
 ggtgtattag ccagcaggac agtttgagg ataggaggt gaggcataa tgcagttgtt 480
 atttcacccg tgcacttccc agcgagggtt atcgtggtgg cgatatgtat gtcgttgctt 540
 gtcggcctct tcacgtctt cagtcgtcac catcttctct acatttctcg gatagtccac 600
 tcgtaccccc agaccccatg gcagcattgt ctgtatcgcc ttctcgattt cagaccttcc 660
 ccattttaat cacacaacgc acgattgatt atcctgctat gaaaccacgt gttgctgcgc 720
 atggccgtaa cgtctcttca cctcaggttg aggaagatgt ggttacgaag atcatgtagg 780
 agcgtcatca gtgatacgtt tctgtttcta taattggttt gcttcgtggg cttgcaagga 840
 ctttttattg gcgttcggac gtatataggc gttgatcttc actactacca ccagtgact 900
 aataatacta cattgactcc aatcaggaat ccaagcaagt gatggacaac ctctcgagc 960
 atggcctcct gtgacaccga aattcggtta tcgccttctg cagttctctg gttaccgttc 1020
 ggaccctga agtgggtgag tgatatcact ggttgatcgc tcttccacg tgactagccc 1080
 cctcgatcgc aacgcgcaac ggctcaacct caccagcgat cgcattagca tcacataacc 1140
 attaccccc tcttcactcc tctttcacct cctccatcct ccagtgccc taattgcgac 1200
 agctgcggtt attgcttaac aactgtccca tttccttctt aactatcgac tatcacacta 1260
 gccgttgtcc tttgccggtt ctatctgcga ccgtggctca gctaagacaa cagggatcac 1320
 ttaccctcag ttgtgaaaca ccttggtact tcattatttg gagatttctc ttgaagagtt 1380
 gtgcaagcct ttagtcttgc gatacatata ttattttcgt cttatcctgc ctatgttgta 1440
 ttgagcgtg aacctccatc aagcccaaga tgaagtgag atacatgcag gccccaaacc 1500
 gtggcctgaa ctgacacgac tttcaatagt ttctccctct acccgaattt gaagacgtga 1560
 cgagctccct gaatttcgac acggccgact gccacattgt tgggggttgc gaactgtata 1620

taaccaaagc cccccggtcc gatcgcaagc tttacaagaa cattgaacaa tcaactggaag 1680
 cacagtatga gtctgtcctt cgtttatctg cgtcactgtc accccaact gcatcggtatg 1740
 cagccgctgc tctgaacctg tcccgatcaa gccattcgg acccctgagt gaccattcaa 1800
 gtgcacggac gtttgcgtac ctcatcgca ctctgaacgc cagccacca gattacgatt 1860
 tttcacatgt tttgcgacct tcggacttcc accgtgagaa gaatttgaag agggtaatga 1920
 acacaatcga ctctacgctg tttaatcttc gccacgcga aacacttgat ctacgcccc 1980
 catccccgtc cgcagtatct ggatcataca actctgaagc ttctgccaga tggggtcgga 2040
 gaatgtggaa gatcttggat gaacagttat ctcttaagga gtgcaacatc tactcatatt 2100
 cgccggacga ggatccgtcg gatgcggacg acggggccat ctggagcctt cactatttct 2160
 tcttcaaccg tattcgcaag cgtgtttgtt acctttacgt caaggcaatc cccatcttga 2220
 gtcacacacc cagcgagggg cttgctactc ccgtgtcaaa aaggacattc gatgatggta 2280
 tcctcacgcc caatcttagc acgagcaagc gtgctaaata ctggttcggg gaaaatgtcg 2340
 aaattga 2347

<210> 20265
 <211> 2350
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20265

cgacgccgga ttcggatcat tggtatttggg gccggcatct cgggcatcgc gtctgcatac 60
 aaagtacgcg agttggaaaa tgtcgagtac cagatctacg agaagaacga ggacgtcggc 120
 gggacgtggg tcgagtcgcg gtatcccgga tgctcgtgcg atatccccgc aactcgtat 180
 acgtatccat gggcggggaa tccagaatgg tcgcgagtggt aaggccttca aacttagaat 240
 tcctctcgtt tgtgtttgct aatagctagg aacagatatg ctggcgctga ggagatctgg 300
 agattttatc gcgacagagc ggaggaatat ggagtgtaca gaacaacaaa gttccgccac 360
 caggtagtgg gcgccacatg gaatgaggcg cagggcagat ggacagtga gattgaggat 420
 ctggccagcg gccaggtctt tgaggactcg gcggaggtgg tgatcaactg tgccgggggtg 480
 ttgaagtgag tgggtgcagc ttagaatgtc cgcagacatt ttgctaacag gataaacgtt 540
 acatagtaag tggaaatggc ctgatatccc gggctctgcac tccttcaacg gcaccctcgt 600

ccatacagcc cggatatccgc aagacctgga tttgacagat aagagagtcg cggatcatcgg 660
 cgccgggtcc tctgcaatcc aggtggtgcc tacgattcag cctggtaagg acagtttgac 720
 ttctttattc aacgttaaga atcattgctc aactgcgct tgctagtggc caagtccctc 780
 atcagcttca accgctcccc tacctggatt gcgccccagt tcgcccggcca tctcgctct 840
 gcaggccgag caacagcata caccgaagag gaaaaggaga aatttcgcaa cgaccccgac 900
 tacctgcggc aataccgcaa gcagatcgac caggcgctca attcgcggtt cccaaacttc 960
 tacaagggct cgcaggagca gaaggcgctc aggcagatag tggaaacggg caatgctga 1020
 gaggtctcc aagatggacc ctgatctcag gaagaagctt atcccagact tcgacgtggg 1080
 ttgtcgctcg tatgtagcag cactgacagt gaaaggaagg ctggaagctg atcatagaac 1140
 ttgtagagtg acccctgggtg acggctacct cgaagcattg caggagccga acgtggaggt 1200
 tgtccgaact cgaatccagg aagtcactcc tgagggggtc gtcacagccg atgggaaact 1260
 gtatgctgcg gatgtgatca tcgcagccac aggctatgac acctcctacg tgctccatt 1320
 cccgctcatc ggacgcaatg ggggtgattt gggaaagaga tgggctcaga cgggtgccga 1380
 ggcgtatctg acctgcgctg ttctgatata gccaaactat ttcagtgcgt ttactctcc 1440
 tactctgttc aactgatatt gactagtgtc agtggtggtt ggtccaaaca cgcctctc 1500
 caacggctcg ctaatgcccg caatcgaaaa ccaacttcaa ttccgctca cgtttgccag 1560
 gaagatccag agcgaggggg tcaaagctgt tgtggtcagc cagcaagcga cgactgagtt 1620
 caacgagcac aaggacgccc tcatgaaact gctgaccttc tccggtagct gcaacagctg 1680
 gtaagctggc ctctaacc cgaagcgtgt cgctgtcctt gtctcgagag ataagctaac 1740
 caccatgaat tacaggtaca aaggtggaac ctgagacggc aggatcggtg ggccatgggtg 1800
 tggctcgctg aatcatttct tggagagcat cgcagagcct cgactacagg acttcgagtt 1860
 tacatacgag acccagaacc gtttcgctta tctgggaagg ggcttgtcac ttgcgatgt 1920
 ccagaagaag gacctggcgt ggtatatctg gtagcctgga gtatatatga taatgttaat 1980
 gctattttgt tgctgctcct gaaagaagta tgatacgata gtcttttctg atctgtcca 2040
 gcaacagaat gaataccatt tctcagttgt gatggtgatt cttcactagc tagtgaatac 2100
 atatgatgac tagagaatgc tgtccataga cgaaatgtgg gaagcttagc caaagtccgg 2160
 ttcatacggc ttacgctact agtacgatag ttccctgtgg agttgtaaat atcagactca 2220

tcaagcatat tctaaaccta gatatctgat cgctaaccgc agaaacttcc agagaggccg 2280
 cctgtcctgc aggaaagggc acaaacagag cacagcacct ggataacaac ttattgcctt 2340
 aataattttt 2350

<210> 20266
 <211> 2353
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20266

actatcagaa tcaagagtcc tgggatgtta gtgaaggcag tatggttgct gaccggtgaa 60
 catggcaact gcaataaccg tcacgataaa cggtctcgaa gaccgccagg aaacgcccc 120
 gggctcttta tgggtcattg taggcagggc gagcttagac agaaaaaact gcttgaagga 180
 ccagaaggat gcaactctct tacatgggac aaatatctag cactgatgct ggggctgccg 240
 gaatcacgcc ggctcatga tatctcacia gcgatcattc gcaaagacat atcgctcagg 300
 tttctacctc aaccaatcgt tgccacgtaa tcatagcatg cttgatagct caaatcggg 360
 gaacaagcaa atacaagttt actacacgtc ttgattacgc agcggaacga atatgctttt 420
 tgtagtcaga tttaccgaat gtacgcacca ccagggcag agtattggta acttccatgg 480
 gtgtggcctc atgcagtagg gagatctttt ccgccgacgc aatatagacc tatcgccagc 540
 ctgctccagg gcagggaagg ccagcttcat tcagctgagc caccgccgta atgcgacgag 600
 ggtaaacggt ctagacgata tagagatttc ggcagatatt gaagatatat gcaggacagc 660
 agagacgaga tgtagtgcca attgcaaaca atacgcagct aagagtattt tatttttata 720
 tagacactcg atgtaactgc acggtctcat agacagccca gccgtgctag agaggagcgc 780
 cccgggtcga cttcgccggc agacgatgct agatggtttc acagcatcgc caaactgtcc 840
 gtctcttcat tctattcgtt gtagaccccg cttttagtag ttagctagga gcagctatcg 900
 tcgtacggaa gcaattgaat ttgggaagat cgcgttcccc tcaccgtgta aacaagccgg 960
 ctctgggctg ttgttgcgca tctggatgca ggccttagcc tctacagact agtatatctg 1020
 tatgttctgg gccaagttag agctctcaca gttcgagtca gatcatcatc ataaggtaga 1080
 ctgttaaaat gcatgtctcc agagactacc gccctggtc tgcagtatgt cctccccagc 1140
 gccccgttg atgacatatt ctatcttttg aaacgtgacg gcgccgtggt catccggaat 1200

ttgatttccc acgaagacct ggatcagaca tacgaagaaa ttgaagacac gctgaacgcg 1260
 gacctagaat gggacggcga gttctttcca agtctgttct gtccgaccac ctccctccag 1320
 ccctaggtct agctgtctat ccactgacat ccgccagagg aaactaaacg ggccaatggc 1380
 ctcataggca ttagcccaac ctacgtccgc acgcagttaa tgcattccgt ctttcaagcg 1440
 accagcgccc atttctgac cacacgaagc acatactggg ggggcaacaa gcgcaaagag 1500
 tccgtctcca ggccgtacgt gcaggcggca ttggctatac aggtcggggc cggtgcaaag 1560
 gccagccgt tacattgtga ctctatatc aatcatcggg tcgtagacga gatagccgag 1620
 tggaacgatg agcgcgatgc gaaccgcgag acctcgcttg ggatgtttgt tgcgggatgc 1680
 gaggtcacia aagagaatgg ggggacccaa gttatactgg gaagtcattc atggcaagta 1740
 gtgaatgcat ccgaggagct cctggctcac tctaattggga aaataacagg tcttctgcc 1800
 ccgatactcc acctcctgaa tccgctatca ttgtgccag actgtcaaaa ggtgacgcat 1860
 tcatgatgct ctcgctccctt cggcatggtg ggggcaacaa taccacgtcc gatcagcaca 1920
 gactcatcta ctgcagtttt gcgacgcgcg ggctcctgcg tcaggaggag aaccagtatc 1980
 tcgctgttcc gggggatgtg gtgaagagct atgacagggc tacgcagcag ttcattcggg 2040
 actatatcag cgaaccagct tgcggacaag taaaccagcg ggaccccatc tatgtgcttt 2100
 atccggagga tgcggcaaag ccgagtgatt ttgatctat attttacact tctgaggcga 2160
 tgatgtggac tttgagagaa ctacatatgg aaaggcaaga actgggtagg gcctaccctg 2220
 agaaaaaaaa aattaaagg atcatttaag acaagcttgt tagctgctgc aaacaacgag 2280
 cagaatgaat agagggatct gtagccagac ttatgtagga gtatatggag agttcctccg 2340
 catagggagc gca 2353

<210> 20267
 <211> 2356
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20267

tttttcccaa atcttcttct ttggtggtca accatcatgg catacaccac gctctggagg 60
 cgcttgctgc ctgccagct caatgtcgcc gtccaggtct tctcgctcat ctgcatcttc 120
 ttcgagggtt acgaccaagg tgttatgggc ggcgttaacg ccgcgccgta ctatgtcacc 180

gaagtcggaa tcggcaagcc ggatggcact gtgactgaca ctacccatca aggaggcatt 240
 gtcagtatct actaccttgg ctgtatcttt ggctgtttcg ctggaggctg gctggctgat 300
 cgcatggggc gtatcaatgg actgtttatc ggtgccgtct tcgcggtcac tggaggtgct 360
 ctccaggcag cgattcaaag ctgagatttc atgctcgtcg ccagagtcgt gacgggctgt 420
 ggactgggag gtacgtatct catctctccc tacgcactgc tagttatggg cctgtgctga 480
 tcgaacagcg ctgactggca ttacgccggg tctggatatca gaaacctcgt ctgccgacca 540
 ccgtggcgga ttcttgggct atgttttcat tgccaactgt atgttcctcg cctgaatttc 600
 cccttgttct cgacgcaccg catactgac ctgcagacct gggaatctcg gttgcgtact 660
 ggctatcggt cggcttggcc ttcataata acggatactc tgatatcagg tggcggttcc 720
 tgcttgccct ccagtgcgtt ccagcgatct tgctggctct cttcatcaag atgctccctg 780
 attctccgcy atactatgcc tctgttggtc gtaatgagga ggcccgtgat atgttgacaa 840
 ggctgcgaag ccacaaagca agtcaggccg agatcgagca ggagtacatg gagattgtag 900
 ccgtggccca agacagcaag ccagttcgc cgatccagtt tatcaagatc ttgataggca 960
 agagcgggcy gccgggaagc aatctcagcc gacgggcctg gttgtgtgtg tggcttcaga 1020
 ttatggcttc gtggaccggt atcacggtat gagaatccta cccggtcgta tcgttctagc 1080
 taaaccgcyt caggctgtca cggcatactc gccactctc ctgagtcaag ctggatacag 1140
 cagcctgacc caaaacggcc tcgcaggagg tctcaacacg attggtattg ttggaaccat 1200
 catcagcgyt cagatcgtgg accgaatcgy tcgaagaatg tgcttgatgc tcggtgctct 1260
 gagtctcttc atcgttgaag ttatcgtaag tttgcccctt ttatcagaat agacccttac 1320
 tgatccgcta aggccggctc tgtctatgaa gcctccctc acaaccaga aaaagcggct 1380
 gactacgcyt ccgctgcagt cgcaatgctc ttctgttca acctgccta tgctcgact 1440
 tggggcaccg tggcattcct cgttccaacc gagatatcc cgtctgacct ccgtgccag 1500
 ggcaacgggt tcggcattac cgggtgggcy attggcgtcg ggatgaccac cttggtgaac 1560
 ccgatcatgt ttgccagcct gaaaagccga agctacttcc ttttggccgy gttcaatctc 1620
 ctgtggattc cgatcgtgta tctgttctac cctgagacct gtaaccggtc gctcgagtcc 1680
 attgacgctt tgttctcgac gccagtcgyt ttctattggg aaatggagcy cgcgtatcgt 1740
 ttgcacagcy atgttcttgc cgagagaggy gctaccacgt ttaaggacga cgggtcccaag 1800

gtggaggatg cccagtcggt ctcgacacaa gagtaggtgg agccgagggg atggtattgt 1860
acggatttcg atataattgg ttattctggg aggcatagtg tatttactac tgggatttag 1920
ttatgagga acgcggggtt agttaggaca cacactatgc tggcaaatcc cgggagctaa 1980
tatctagcgg agctgtagct aattttcctt tttttttttt tctcttttgc cacttgtgct 2040
agtgcctaac acgctatgcc atcgggtctgg tagcccgtaa attgtccac atccacacta 2100
tccacactat actaaggggc gctatagccg ccgacacagc cccaagacgg tagccaacac 2160
tgtaagaatg cgatatgaat ccctcgagcc ggagtcagat gatattagcc tgtatcataa 2220
acaatcggcg tcgcgcattc gtagtttgac gttccgatat tttcgaacac cttcataaga 2280
gtgtacccca tatcagtcag ggcaactact accatagggg tgaccgttga gcggatgtac 2340
gccacagttt ggggcg 2356

<210> 20268
<211> 2363
<212> DNA
<213> *Aspergillus nidulans*

<400> 20268

ccgacgccgg tcctgtttca gtaccgtaa ttctgactgt gtaactccac gtatcagttc 60
aacagcggca gaaatagtcc gtcacgtca tgatgtcctg ccatggccta ccgctttgag 120
ctgctttctt ccgaaaggcg gtgagggctt ggggagcttg ggaaggcgat taatgaactt 180
cattatttcc tcggcatgcc ttacaggcat tttttgaggg attgaacaga aacgccttat 240
gatttatact tcaagatact atcagctttg cggaaggta gtgcgggaca tcatttggtc 300
tgaagctcaa gttgggtct taattgagcg acttgacata agtcactatc ccgaacgggt 360
acgaccatgt cttcttcaag aggtcggggg cctaataaaa ggagtcogca tgtcttggtg 420
aattacccca ttctgatcac tcgctttgtc tttcaggaag ccaactgttga tacttatggg 480
tatatcttta ggtgactgac tctcgagaac aacattcgtc cgcgcaacc cgtcgcccgc 540
gttccccagc tgccaccgcg ttcacacgg tcgataacgt cctccaatat gcctccgaca 600
ttccctcaat gcaacagcgg aaccacctg atgcagcacg attacgacag cgaccccgtc 660
tgccttcgc aacaggcggt ttgatcggct cgggcgcagg cggcgcaagt agaaatgcc 720
ccagcagcgc caatgcatcc agcacagcag ccgcaatagg acgtctagcg gctcaagcgc 780

acctgccgcc tcgtacaaca aaagttagtg agaagcttgt gctacttccc gaggaagggg 840
 ttgagccgca acctgaagat gaggacgagg aagaagagga gcaaggggtg ggtgatgaga 900
 tagtggacga agaattggtg caacggattg caagggacaa gaacattgac cccgactctg 960
 tgagacatac gttgctggca cagaagaaga agctcagggg cgatttcagt gtcgataacg 1020
 acgttgccgc gttgctggcg gaggaggacc ggacgcgcaa gagggcgatt gcaccagaga 1080
 gagccaagag ttatgcagag cgactgccga aggcccgctg tgctgagaaa ttggctcgtg 1140
 tcacggcata ttgtaccgag caggcttaca agatgagttc tctttcatca ttcgtgaagg 1200
 atacgcatgg tggagaagacc aaactttatg atgactgtct atatacggcg tatcatctgc 1260
 cgttggtgcc tgggcacgag gggttacagag tgcggagcag tccgttggtg aagaagcctg 1320
 gtggaaagtc attgtagat gaggagattg aacgaaacga gctgcgagat cacgacgagg 1380
 attatatcga gtcagaagag cactctatct tggagggtcg accggacgag cacgaaaacc 1440
 aagagcggaa tgggcggcca agctccagta agggaactgc taatgatggc cactcgcaa 1500
 tattgtcccc cggtccacg cctgcaagac ttccatacga cgtagccgag atgttcgtat 1560
 tcagctacgg cgttggtgct ttctggaact tcacagcgaa acaagaaaga gatatcctcg 1620
 ctgacctggc attcgcaacc tcctctgcaa cagggtcacc aataaccctc gcaactctac 1680
 cgctacagga agaagacttt gagactgaag aattccactt tgagtactcc accgaaatct 1740
 cccgtccgag cgtctacaac gatatgatca ctctccgaag tggcgaccat atgatcaagc 1800
 tagccatcag ccatggcata gcccaaagca cgaaactatg cttctttgag gaagtcatgg 1860
 cccgtcagat ggcggaggca aaggacgtcc cccgccgtct cgccatgaca gggaaactag 1920
 gtctaaaacg agaagaggtc ttctgcatcc taggcaagct attcaagagt cgagtggaag 1980
 ttaatctctg tacgtcatct cttaaagagc acatggttgg gcgttcgtta acagatcaat 2040
 tgcagcttct aatgtccttg acgtcccaa cttcttctgg gaaagcgaa caacgcttta 2100
 cccactctac attgccgtcc gcgaatacct cgaaatcaag cctcgatatcc aggttctcaa 2160
 cgagcgatgc cgtgtctttc tcgacctgc tgagatactt tcagacagta tcgcagatag 2220
 caacacttcc cgtgcgtgtt ccctcttacc ccataacctc cctactaatt ctgagataga 2280
 tcaaacgtgg atcatcatag tcctaactgt catctccatc ctcgttacaa catccgaagt 2340
 cttcttctga ttcggcctcc tca 2363

<210> 20269
 <211> 2367
 <212> DNA
 <213> Aspergillus nidulans

<400> 20269

```

acaaaacttc aacgggcaga acaaggagca gaatatctac cacaacttag acgctaattgg 60
tgtgtcccg c aatgttggcg gcatgtccac tcagtgagtg cccaagccc tcacaagagg 120
agatttagca ttctactgac ccattccagc tggacgtgcg ccacgcccag acagcacgaa 180
ctagaacggt caaaaatttt cgatgacgct acctgggaca ggttgtataa gagagctgag 240
gagctaattg gcaactcggac tgatgtactc gaccaatcaa tccgacaacg gttggtcttg 300
gatattctac ggaaaaaatt taagaatcgc gacgcaaaag ccctgccact tgccgctgaa 360
aaagtcgagg gcaaaaacct gattaagtgg tcgtcttctt ctactgtgct cggaaatctc 420
cttgaagatg aaaaattcac tctactcgat cagcaccact gcgaaaaact ggaattcaac 480
gatgaaacca acaagtcag ttttgcaatc atcaagaatc tcgcaaagcc ccaaacttca 540
aaagaagatg aagacagact gagaataaag gcaaagtatg tgattgtgtg tggaggaccg 600
attcttactc cacagctctt gttcaagtct ggattccgtt acgatgagga ggatgctgaa 660
gattctgaag gaaataaatc atccctctat atcccagcat tggtagggaa acacctctc 720
cctgcccatc atgacgagcc ttagaggaag aagctgacga ctaacttgat tttcagggtc 780
ggaacttgac cgagcaaaca atgtgcttct gtcagattgt actgaaggat aaatgggtag 840
aggagctcca gaaaaataac tgggggtccg aatgtgagga acaccgaaga aaatatgacg 900
aagaggacga cctcctgca atccccttcg acgatctgga cccccaagtt accctcccct 960
tcactgagaa tacgccgtgg catacgaga tccaccgtga tgctttttca tacggcgag 1020
taccgccggc cattgacaaa cgcaccatcg tcgaccttcg ctatttcggt cgagccgaga 1080
cgcagtggag aaatcgcgtc acattttcca agaaactcac ggacgcgtac ggcatgccgc 1140
aaccaacatt tgacttcaag ctctcgacga aagaccgcct tgaatcgac agaattgatgc 1200
aggatatgga aaaggttgct ggggaactcg gggggtatct ccccggttct gagccccagt 1260
tccttgctcc cgggctggcg ctccacgtat gcgggacgac tgcagcgctt cgcaaaggct 1320
gcaggtcaga agacgagatg aagagaattt ccgtctgca tgagaactcc aaggtctggg 1380

```

ggggttgagaa ccttcacctc ggtggcctca atgttattcc agggcctagg tcaaatgcgt 1440
 ctaacccaac attgactgcc atgtgtttcg ccatcaaggg tgcggaggag atacggcgca 1500
 agctgggcaa aaagggttct cacagtggta atcgcgatga cggagatgta gacactgata 1560
 cggacgatga cgcttgaggg cggccacttg gtccccgcga gtccatgagg atggtcttga 1620
 acagaacacc agttaccaca gttggaaatg ccagaacacc ccattgtgat tggattcctg 1680
 aatatcaata ttactttgtg ggtggatata caaattgcac tgtaaacaca caaaagtaca 1740
 ctcttgcttt atattcttta ttgaatgagt ggtcgtatg tagcttttaa atacaaaact 1800
 agccttgctg gaccatttgg agtttttctc ttcgtccact tctgtacaac atccttggaa 1860
 gcaatatagt acgatgtcga gcttggaggc tagaaacgtt ttatggcaat gctctaccaa 1920
 ttgggtacaa cacattaccc acacatcgcg cagttatgtc tagtcgaaaa ttgtggttga 1980
 tatcacaagc agatctctta tggagatgtg tttcaagcag tcccaagttt atatttggcc 2040
 tatataagta aaatataaaa tcaacaagtc catatcaatc tgtgtccctt caagtgcata 2100
 aaggattatc tgggcccgaga ctgtctggtc tactagctat tgatgcggtt ggcagagaa 2160
 tgcagcttat aaatgtactg ctgtaacggg cgtaggcagt attattttca actggctgtc 2220
 ctgtataaac gagtatcaca agcttagaga aagaaacaaa agatagaagc gcagatatct 2280
 tctccccgc tttatcaacc attctgactt cccggacctg tatgccgacg gatccctttc 2340
 ccgaagttat gaggacggat ctctttt 2367

<210> 20270
 <211> 2371
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20270

cgctctggac cgcccgctct ggtccctgga gccacagctt acgcaacgct cgtagatcga 60
 ccgactcatg cttcgagctt gtgaatgttt ctctgttcta cctgatgcag tcccatcccc 120
 tattgctggc cagactcggc catcaagcca cagtctcaga gcggctgcca cactaacacc 180
 atgccaggga cagctccgtt cggcatgcc aactggaatcc gggctctgata tggtagcaga 240
 agccgtttca cttcattcgt ccatcaacag ctccagctcc tgggaggcga ctagaagtgg 300
 aatcagtgcc gatcttttta gagatgacac tgcactgacc ttggatccct tcgagagatc 360

ggctgtttc tccatcccc ttgggccctt gatagactga ggacttccca gatgaagttt 420
 cacttgcaac ctgggaattc tttcttctca caaatctcca accgaaccaa ggttgaaact 480
 gcgtggcat tagcatgccg cagtacgctc gttcatgttg ctgattgac aagaattgat 540
 ctggctcaag ctgtacacag ctatcccttc ctttcaatgc aattgacgctc tataatcatc 600
 ctgccaccgt tccctgcac atgctcctga taaagaaaag atatgcttta ccgaccttca 660
 ttcttacatt tcttatctat ctctgtttta ctactctacc gccaggcgcg gagaaaactt 720
 acattgaaca ttactcaca ccagcccacg acataaccga gatcgccaaa gacaaccgta 780
 tccactggac taagcacgcc gagcagtatc cgattgccga ttatatctct ctgccaaactg 840
 cctctccagc tccgattccc aagatccaat acgacttccc cgccgaatca tggtttgctc 900
 gtatatggcg gaagaggaag cagggcgcg tgaaggaggc tttcaagcat gcgtggaagg 960
 gctacaaaag caatgcctgg ttgcgggatg aactgtcgcc ttttaagcggg ggatacagaa 1020
 cttcctttgc tggctgggca gccacactgg tggatgccct ggatacattg ataatcatgg 1080
 atcttacaga cgaattcgag gaggcgctgg aagcactcga gcatattgat ttttcaacca 1140
 ccgattcaat ccagatcaac gtgtttgaga caaatatcag atacctcgga ggtcttcttg 1200
 gtgcacacga ccttacagag ggcagatata ctattcttct gaagaaggcg actgagatag 1260
 ccgattttct ctacgggtcg tttgatacga ggaataggat gcctcagtct cgggtgggagt 1320
 ggacaagggt agaatgcatt ctgggtactg cttggacagg ccagcttcgg ccctcaaaat 1380
 gattatttca tcatattgat agtagttaga tccgcacg ggcagaccat tcatcctagt 1440
 gggaacacta ttctcgcgga gctgggttct ctgaacctgg aattcaccgc gatgtcccag 1500
 ttgacgggag accagaagta ctttgacgcg attcaacgga tctcagacca cttagaatca 1560
 gctcagaaaag aaacctggt gcccggttta tggccaatga tggttgacgc cgagagcatg 1620
 cggttttccg atcctcggt cacaattggt ggtatggcgg attccgcata tgaatacctc 1680
 cctaaagagc atatgcttct tgagggtcgg acgcaacagt atcaacgaat gtacgaatcc 1740
 gcaattccag cgatcaagga gaggatgctg ttccgcccga tgaccaaggg tggagaagat 1800
 atcctatctt caggtaacat ttacgctggt acaaaggcca gtcggaaaaa ggtagaggca 1860
 caggcggaac acctcaagt ttatcttggg ggcacgattg gcatcggggc caaagtgttc 1920
 aatcggcctg aagagctgtc aatcgctcgc aagctaaccg acggctgcat ctgggcgtac 1980

gatcatgc cctctgggat catgccagaa gtcatgtatc tcagcccttg cgacgacttg 2040
 gaaaactgtc catgggacga gcaaaagtgg tatcgagacg tgcgcgcgcg gccaccgcct 2100
 catgcaaca ttgcggatac tgaggaagcg gcgaaattgc ttatcgagaa attcgacctg 2160
 gtcccagggtg tcgccgaaat cgccgatgca cgctatatgt tgcggtaagc gctgaaacag 2220
 ctaacgtgag cgaagtttgc tgaatgtttg gtaggccgga agcaatcgag tccgtattta 2280
 tcatgtaccg catcacgggc gacaagaaat atcaggatgc tgcgtggcgg atgttcaaca 2340
 gcattgagaa ggccactcgg actaagtatg c 2371

<210> 20271
 <211> 2373
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20271

aaaatgacaa aatagtactc aaactatgac gctatctgca ccgtttcttg ccggactagc 60
 acccatccta cagcgggaac gtgagggatg cgagtgggga aggcaatgac tctgatggcc 120
 aaagccgctt tgctccgccc atttaatgtt catgcctcac ctctctttgt tccaggtaga 180
 tgagaagtct tcagtctctc gacacttcct cagtgtctacg tctgggtccc ctcaccgtta 240
 gagtcttata ctgtcgttat tcttccgcag ttgaccttct tttctccgtc tttatctacg 300
 ccagtctctg ccgccaccgc cgagtacatc ctcccgacct ccgtgtatag cggatcactc 360
 cactcacccc atcgctcat cagacaacat ttctgcctc actcagtctc aggtctctcc 420
 gctgcatggg tggttctctt tatgagactc tctgcctcc tcattccccg ctgacaatgc 480
 ccatctttca agattccgaa agccggcagt tctacgacct ctggtctgat gaccgcgaa 540
 tgactcagga cgactctcac ctcaaacca gctggccgga ttcccatgat gtttacgcag 600
 gatcatcaga tcagaggacc agcgtcttct acggacgtca tccaagaagc cccagcccga 660
 cgagactgaa tgcgcatgat cgagaggaat tgatacatta tataaaagct gcggaaacta 720
 caaaatggtc gcagtattgc tcggtcagtt caccgcaag acttttgaac ttactctgtg 780
 cttcctattc tctgtctagc gagcccgctt gtttctcgat gggtcatgct aacgtcagtt 840
 cttgtatagt taggagaccg gggtggtcac cacgtgcttc attctcacga gggtccggtg 900
 acgagggaa acaggtaccg aaacagccta tatcaagatt tccgggacca cgattccggag 960

cttgcgtcac cagcggaaat agagcgtcct cgttcggccc tccactccgg cgactttcgg 1020
 gagggaaacgc ctcaactaga gcggcagcag cattcaccgc aatcaccaat acctgaccgg 1080
 ggcatthaaca atggggtacc cttcttctcc tcgtctccta catctccgtg gttcgccgct 1140
 ccctcctttc cgccgcgcac ccaaacggcc ccgtacaag cactcgaagc gagagtaacc 1200
 gaggcgaatc gtacacctgc gccgtcgctt gcgccgttct catccagcta tgtcctgaag 1260
 gcgccgacaa gccctctagt ccatcaggcg aataacacag acttggactt ctctactcgg 1320
 acagattcca ataatcgact aaccttggtt gacaagacga accgtcggcg gacccttccg 1380
 ccggactcat tcagagacct gcagacagac tctgcagatt ccggggcgaa ttgtccgata 1440
 cgctgggact ccttgtccag caactcacag tgctctcgtc ggtctttggc ttctcgtac 1500
 agccttcagc ttgcctcatc agttcaggcg cattatacga agtctcggag gccgtcgata 1560
 tcggccgagt tgatttccag gactcatgcc ccgatgggtg ggtcgtatga ggagtctatc 1620
 ctccgtggga ggatgtcaac ttgcccgctc aaaccctgg atttcaccgc acaaattggg 1680
 gttttgggca agggcaagac caagggaagc ctcaaagtc ctccgcacgt tacggttcgg 1740
 ttccctgcgg tcttctacag ctaccctacg tctggaaatg ggcgcacgat ctctgatgat 1800
 agtcccagcc cttatgtggg aatgatcgac cttgagaact cgctgccgaa ggatacttcg 1860
 tgccacagtc ggcgccgtag gcgccatcaa gatccagtcg agatttcaag ctctcacaat 1920
 aatgacgaat cgatgcggac caagcacaat gatcggaag ctatacgccg aagagataag 1980
 aggcacagaa gggcagagtc cccgaaagct cctgcagggt gttgctatcg gatcccgag 2040
 cagggccaat tgcaggatc gatcaagaac ccgaacaaga ctgccgttaa gctattcctt 2100
 gttccgtacg atttgagcga tatggaaccg gggacaaaga cattcatccg acaaaggagt 2160
 tactcggctg gtccgattat agacatgcca ttgtctgctc gatcaaatta cggtagtgat 2220
 cgtcctgagg catcgttgac gaactccgac gaccggaatg aaaaaccggt cttgcgatat 2280
 ttaatccatc tcaatatttg ttgcccatca agaggccgtt actatcttca ctctagcatc 2340
 cgtgttgat tcgctaaccg ggtgcccgat ggc 2373

<210> 20272
 <211> 2385
 <212> DNA
 <213> *Aspergillus nidulans*

gaaagctccc ttagatTTTT ggcttctgat atacgaagcg taatctggcg gctggcaact 60
ttgatatcgg tggtagccct actacgaaca gcttgggtcg ttatatatcg aatctatttc 120
catccccctg ccaaagtccc tggaccacta cttgccagga taacttggct ctactcattc 180
tggtaacaata ttgtcaccaa gcgtttctac cttcgcgttc aagaactgca tgagcaatat 240
ggtacaatct gcacccgccg gtggggcccc tgctgagatt tactaattgt ccagggcccc 300
gtaatccgca tccccccgga tgaaatccac ctaagcgatc ccgagaacct agaaaaaatc 360
tactttgttg ggtcacgata tcccaaggat gctgcatttt acggtgcatt tggcgcggac 420
agatccgtgt tcacggctcc aagtccagac gtccaccgcg tgaaaagagc cgccttgaac 480
ccgttcttct cgcggaagaa ggtccttgaa ttggaggata tcgtgcagga taaggcggag 540
aagctggttg gacgcatgaa gaaggctttc aattccactg gtgctattga cttcatcat 600
ggtttccgcg cgatatcggc cgacgttatt acggactatg catttggcga ctcgtaaac 660
tttctcgacc gagacgactt tggaatagac ttcttcaatg gggtcagaga tacggggccc 720
gcactgtgga ccttcacga gttccctgtc atccagcgag tagcgaagaa aatgcccttt 780
tggctggcag agcgccttag tgccccgttg gcattgagga ggtctcaaca catggtattt 840
aaatgtctgg aattatccag ttactttact gatgttgctt agagttcgcg agcccaagtt 900
ctcaaggatga aggctgccgt ggaaagagac gaaaaggctt ctgcactac catattccac 960
gaactattac gtcctgatgc agctgaaggg tacgcagtgc caaatgtgga cgagctctca 1020
agtgaggcac agaataattct tgggtctgca tcagatacta cagggaacgt gagtattgcg 1080
tataaatctg atgctgaatt aatgacgatg atgcctgcaa atcgccttta cgagatgctg 1140
accttcatgg tttagacctt gacgattgca gcgtacaatg tcgttcgtaa ccctgacata 1200
tacgcccgat tgtctgccga actcaaggag gcattcccaa accccgaggg ccgtttggag 1260
tttgttgctt tagagaagct ccatacttg gtgagtcact tgcatttaca gccgtccaga 1320
aatatatgtg ctaatcagat agactgccgt aatcaaagaa ggactccggt aagccccgct 1380
gaacgagtac tatcatctta tatcaacaga agcagattgt cctttggcgt ccctggccgg 1440
cttctcgtg tagtcccacc ccctggagcc gaatttaatg gctaccacgt tccacctgga 1500
gtatgtttca ttgttccgc tatctacgta aactgacata ggcctttcaa gaccgtggtg 1560

agcatgagct cctggataat acaccataac gaaaacatat acgccaatgc ggatagattc 1620
 aaccagatc gctggctgga tccttcaagg gaaaagtgc tcgaacgata cctgttttcg 1680
 ttcggaagag ggacgcgagg atgtattggc atgccgtatg tgtctctagc catatccaat 1740
 ttctgatagt attaacctag acagcagact cgcctattgc gagctctacg tgacccttgg 1800
 ccgaatgttc cgcgagtttg ataacctgaa aacgccggca aagagtagcg aggagttaat 1860
 tgtggacgat ggcttttcag cgtatcacc agagaagaac aataagtttg tatttagcct 1920
 gtcttaggtc tttggctggt atacttgatt tggctccttg tcctatgttc aatagtgtg 1980
 tgctatgttc tcttttcttc aatggccatt gtttagcttc accttagttc aaaagcgtat 2040
 caatggcgag gtaaataagcg cgttttccca gtgttattct cttctctttt attcacactc 2100
 tcaggcagct gtgaagccac tcattgttct caacatttgt ctccctcttc atacaattcc 2160
 cgccagcatc tccccgagtg cgtctttatt agacttgaat taattgaccg ctttctttct 2220
 ctttccatca tagcagcttc actcctaaca ctgttgactt gatttacatc cacatctgcc 2280
 tcataccatc tcattctcac aaactagaac acagcaaac atcgactcat cagcatcgca 2340
 ccatcacttc aagatgccta tgaactggaa cgcacaggca gatgc 2385

<210> 20273
 <211> 2389
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20273

tcattcatctg cggcggaggc agctcgggat gcgtccctgc cggccgtctc gccaacctcg 60
 accataacct gtctgtgcta ttgattgagg ctggcgagag taatctgaat aaccatgggt 120
 aggagtgttc ttactcgag gctccgtgtg aagatgagct cattactgac aagcccaggg 180
 tctaccgtcc cggtatctac cccgtcaaca tgaagctcga ctccaagacg gcctcattct 240
 actactcccg gccatctgag catctggacg ggcgtcaggc tgttggtccc tgcgcgaaca 300
 tcttgggtgg tggtagctcc attaatcca tggattacc agcccatatt gccctaaatg 360
 atagtgcacc cgctaacgta tcagatgtac acccgagctt cagcctctga ctacgacgac 420
 ttccaggcca aaggctggac gaccgaggag ctgctgcctc taatgaaaa acatgagacc 480
 taccagcggg cctgtaataa cccagagatc catggctttg agggatccca tcaaggtttc 540

attcggcaac tatacctacc cgatagcgca ggacttcctg cgcgccgctg agtcccaggg 600
 cattcctggt accgacgacc tccaggatct gaagactggg tatgtgatct cattacaggt 660
 gccgtaccat actgatagca tgatagccac ggagcggagc actgggtgaa gtggatcaac 720
 cgcgataccg gtacgtctgg tgtaattcc aatctaccct ttatcatact aacaccagtt 780
 aggaagacgc agcgatgcag cccacgccta tgtgcacagc acgcgtgcc aatactccaa 840
 cttgcatttg caatgcaaca ccaaagtcga caaggtcatc atcgaagacg gccgtgccgt 900
 cggagtcgtc accgttccaa ccaagcccct cgacggcaaa gagccaccgc gtcgcatctt 960
 ccgagcgcgc aagcagatta tcgtcagcgg cggtagcctt tcttcaccct tgatcctgca 1020
 acgatccgga attggggact cggagaagct ccgcccgcgc ggagtcaagc ccatcgtgca 1080
 cctgccccgc gttggccgca acttcagga ccactacctt acgttctcca catacagagc 1140
 caagccagat gtcgagacgt ttgatgactt ccttcgcgga gacccgaagg tccagaagag 1200
 agtgttcag gagtggaaca tcaaaggaac cggaccgtta tccacgaacg gtatcgaggc 1260
 tgggtgtgaag attcgaccaa ctcagaaaga gtcgaggag ttcaagaaat ggccgacccc 1320
 tgattttgtc gatggctggg agacatactt taagaataag ccgataaagc ctgttatgca 1380
 ctactctgtt atttctgggt atgcagccct tcttgagtt ccattctcat atttctgca 1440
 ctgctaacaa cgtactctga aacagctggt tcggtgacca catgctcatg cccccggca 1500
 agtttttcac tatgttccat ttctcagat atcccttctc ccggggcagc acacacatca 1560
 caagcccaga cccctacgcg gccccagact tcgacgccgg cttcatgaac gacaagcgtg 1620
 acatggccgc catggtctgg gggtacatca agtcgcgcga gacagcacgg cgcattgctt 1680
 cgtatgccgg cgaggtgaca agcatgcacc cgcactttgc gtacgattca aaggcgcgcg 1740
 cggaggacat ggatctcgcg acgacgaagg catatgcggg accgaatcat ctttctgcgg 1800
 gcattcagca cggtagcctt tatctccttt cttttatttc cctctctcgg agtccgtggg 1860
 tatgctaacg aatgcatcac cggcaggctc ctggtctcac ccactaacc cggtaaaca 1920
 acccagccca acaaccctca gctccaaccg attcgaggcc cgcagcgaac tcgagtattc 1980
 taaagaagac attgcacata tcgagaaatg gggtacgcaa tcgtccacta ttccttctat 2040
 tctcatact aacattgacg tcccggttgt tccagttcaa cgccacgtcg aaacaacctg 2100
 gcactctctg ggcacatgca gcatggcccc gcgcgaggga aacaacattg cgccccacga 2160

cggcgtcgtc gacgagcggc tgaacgtgca tggcgttaaa ggactgaagg tctgcgactt 2220
gtctatctgc cccgataacg tgggctgcaa tacatttagc acggcgctac ttattggaga 2280
gaaatgcgct gtcctcactg ctgaggatct agggatatagt ggggatgcac tgaagatgga 2340
ggttccagag taccatgctc ctggagagtt tttgaatctt gctagggttg 2389

<210> 20274
<211> 2390
<212> DNA
<213> *Aspergillus nidulans*

<400> 20274

attgaattga ataaaataag actgttgata agagcatgca ttaaggtaga atcaatccaa 60
ggcttttgaa tgatggatct acataggctg acggctatca tgtacaaaaa gggatatcgtt 120
tggtgaaaat caataagacg gcgtttaata accacgtttg accaatcaca gagctgggtat 180
atagcaagca ttgtctggcc gatgatacat ccagtgcgag atgaagctgc acgagcaagc 240
agtattatgg ccaggagtgc cgtgagggtga cgacaagagt agttgatagg ggaatatggc 300
agtagaggct tctgaaggat tagaccagat gtagagtaga tcgagtgtcg gtaaagagaa 360
gtattggaaa atagagcact tcctgacgtc gcagcggatc gcacctatca gagacgacaa 420
cggattttctt agaagagcag tagatgctgc caagtaactt gtgaaaaact accgccggct 480
acttttgcca aactgttcag ataatttaat cttgttgaaa gagaagaaat tatactctct 540
tatccgagac caacttttcc gggatatcgtg gcccatgcat gcacacccaa ccgaaaacct 600
caaacgccag acaggagaag gtctaaacct catcttgggtg caaagaaaag gagaagattt 660
atagtacagt aatccacaac caccaacaca actgataccc agatagtcag tccagcaaag 720
agcagaaaag caaagaaact ccgaaaaaca ccatcaccca taagatgcga gatttaacag 780
tatgcatttg ctcttctctc tcgagtcagg gcggcgacct ccttgcgtag ccgctcattc 840
atttcctgca gtcctgcat gtacgtgatt gcattgctca gaatctcgga ctttttcagc 900
gacgccgagg acttgacgcc attgctactt gaatttgtcg acgagacggc cttcgacaca 960
ccggacgtct tgacagacat ggcccttttcc agagcaacga acttggcggtt catgtttgtg 1020
cggtagcgct tctcgatgat gttgtgagcg gcgcgcttag cggcgttgcg gccacgggcg 1080
gtgttctcat caccgtttgt cgcgtttgcg gctcgggact gcggccgggtc gttgttgttt 1140

gtcgaggtgg tggagagggc tgctgtggtg agagtcggga acaggagaag gtcctcgaaa 1200
 ggctctgaat gagtgcgcga tgcgcctctg acttgctggg gcacaggacg gggatctgca 1260
 gtgaatacga ggtaggggta cagccatcgc atccttagcg ggccgtttat gactctgtaa 1320
 gatttaaagc cggggggccag ggggggtccag atcgtttgcg atgtgggttag gatgaagttg 1380
 acccagagtc taggtagggc cattgaacct tggaataagt attgagctga cttggcaagg 1440
 gaatgtgacg aagccactgt ctgatgagac tgcgattgct cttcaaaaga actggacaga 1500
 tgaagctggt gagtaccac tctttattac gggacggtct actgacgtaa catagactgg 1560
 cacacaatcc ctgtcaagaa gaccgtctc gatatcgteg ccagttatc gtccaaggtc 1620
 ttcttaggtg accaaatctg ccgcaacccc gagtggctcc ggatcacggt ggcctatacg 1680
 gtggactcgt ttctagccgc acaagcattg cgcattgtggc caaccttcat gcgacgctc 1740
 gtcgccccat ttatccctgg tgtccagaag atccgcgcgg agctcgagga ggcccgtcgt 1800
 atcattctcc ctgtattgga aaagcgcaag gcagaaaaac aaactgctat tgcggctggc 1860
 aagaccccag ctcggtacaa cgacgcgatg gaatggatgg aacagtgtgc taaggggctg 1920
 ccgtatgatg cggcgggtgtc gcagctttct ctctcactgg gcgctatcca taccacatcc 1980
 gacatgctga cccaggttct ctacgacatt tgcggacaca gcgatctggt cgatgagctc 2040
 aggcaggagg ttctcaccgt cattgctggc gaaggatggc agaagacgac tctgtacaaa 2100
 ctgaagttga tggatagcgt tctcaaggaa agccaaaggg taaaacccat cgggatcggt 2160
 acgtacgctc ctcacacagg tacaacgtct gctaacgagt cagcaacgat gcaccgcttg 2220
 gctgaaaaaa cagtcaagct ttctgacggc actgttatcc caaaaaacgc caacctgac 2280
 gtttctctcg agcggatgtg ggatgagagc atctaccct cccagacaa attcgacct 2340
 taccgcttcc ttagattgcg agagacgct ggtcatgaga cttcggccca 2390

<210> 20275
 <211> 2391
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20275

tcgccaacca ttaaccgtgc caatgtctac gttggtttcc aggtgcaact ggatctcacg 60
 ggtatcttct tgcacggaaa gattcccact ctcaaatct cgttgattca aatcttccgt 120

gctcacttgt ggcaaaagat ccacgagtcg gtagtcatgg atttgtgtca agtctttgac 180
caggaacttg agcagcttgg catcgaagca gtccagaagg aaaccattca cccgcgtaag 240
tcatacaaga tgaacagttc gtgtgcagat atcttgttgt tcgccacgaa caagtggaac 300
gtaacccggc cttccatcct cttcgacact aaggatgtgt acgagcctac cagcaciaac 360
aaattctggc ttgatgtgca actccgctac ggtgactacg actctcacga cattgaaaga 420
tacgttcgcg ctaaatacct ggactacaca accgacagca tgagtatcta tccgtctgca 480
acgggtctga tgatcgcaat tgaccttgct tacaacctgt actcggcata cgggcagtat 540
ttccctggcc tgaanaagtt aattcagcaa gcgatggcca agattatgaa ggccaaccct 600
gccctctatg tgttgagaga acgtattcga aaagggtctac agctgtacgc ttctgagagc 660
aatcaggagt tcttgaactc tcagaactat tcggaactct tcagtcctca gatacagctg 720
ttcatcgacg ataccaatgt ctaccgtgtc actattcaca agaccttcga aggtaacctt 780
acgaccaagc ccatcaacgg tgctatatcc atctttaatc cccgcactgg acagctgttc 840
ctgaagatta tccacaccag tgtttgggcg ggacaaaagc gtcttggtca gcttgccaag 900
tggaagaccg cagaagaagt cgcggtctct attcgggtct tgccagtcga agaacagccc 960
aagcagctta ttgttaccgg aaaagggtct cttgacccgc ttgaagttca cttctctgat 1020
ttccctaata tctccatccg tgcttctgaa ctccagctgc ctttccaggc agctatgaag 1080
gttgagaagc ttgcagacat gattttgctc gcgacagagc ctccagatgg tctgtttaac 1140
ctttatgatg agtgggtcaa gactatttca ccatacaccg cgttctccag attaattctg 1200
atthtgctg cccttcacgt caacatcgac aaggcgaaga tcatccttcg gctgataag 1260
agcgttatca ccttgagaca ccacatctgg cctcgcctt ctgatgaaga ctggatgaag 1320
gttgaagtgc aattgcgcga cttgattctg aacgactatg gcaagaagaa caatgtcaac 1380
gtccagagtc tgacaagcag tgaagtccga gatattctc tcggtatgga aattagcgcg 1440
ccctccttgc agcgacagca agcagcgag attgagaagc aacaggagga ggccaagcaa 1500
ctcacagctg tgacaacaaa gacgcagaac gttcgcggcg aagacatcat tgtcactacc 1560
acatctcagt acgagcagca gtcgtttgcg tccaagactg agtggcgtag tctgctgatt 1620
gccacgtcca acctccgcac tagggcaaac aatatatatg tctcgtcaga cgatatccgc 1680
gatgagggtt atacgtacat catgccgaag aacattctca agcggttcat catgattgcc 1740

gatcttcgcg tgcaggtagc cggattttctc tatggtagct cgcctccaga caacgaccaa 1800
gtgaaggaaa ttccgaccat cgtcatgggc ccgcaggtgg gtaacactcg cgaggttcaa 1860
cttcctcagc agctaccgca acacgattat ctcaacagcc tagagcccct cggagtaatc 1920
cacaccatct cgggcaatga gccgccatac atgactgcac aggacgtgac tcagcattct 1980
cgcctgatga atgcccattc atcctgggac aagaagacag tgacgatgac cgtatcggtc 2040
acaccggggtt cgggtctccct tgcagcatgg ggtcttactc cccaggggta caagtgggga 2100
gccgagaacc gggatacaac ttccgatcag ccgcagggat tctcgaccag catgggcgag 2160
aagtgccagt tggtgttgag tgacaagatt cgcggatact tctcgtgcc cgaggacaac 2220
gtctggaact acagcttcat ggggaagctcg tacggaagtg tcgagaaacg cccggtatat 2280
gtcaagattg acaccccgtc tcgggttttac gacgaccagc atcgcccact gcacttccag 2340
aacttcgcag agctggagga tatttggggtt gaccgatctg ataactttgc t 2391

<210> 20276
<211> 2392
<212> DNA
<213> *Aspergillus nidulans*
<400> 20276

tccgaggcaa gattccctgg ttactcccc ctctttcac acctggtgag gaggggtgaga 60
agattgaagg ccgcgaaggc agactcggtg agatgggcag aaagcgcaag attgaggaga 120
catctcagga tgcgagtgag ggtcaagaag gccaaagatca gtccgcttct gactccgagg 180
aagagtttgg gggattcgat gacgagcagg atgatagcga taatgattct attgcaaate 240
ttgaagtcag cgatgaggaa agcggggagg agtgaatgtc attgtcgcgc ggcaacctct 300
aacaccttac aacccacaca agcagcgtca gtttccacaa gtaaaatact tggccctgct 360
atttgacgcc aggacgtcgc agaacgtcct gcatacttag ctgtcgtttt ctgcttggtc 420
gttcggctgg cgggccattt gacagctgta cagccccgag gcgcaacgtg gaatccgtgg 480
cgctgttcat ctcaacctcg aataacgata ggcagtacgg agcaccacaa gcgtcgttcc 540
aatctgtctg ggctgttgac tgtcgtacat atgcccgaag atgcttccgg tggaagaacg 600
tatagtcgag tccatcgatg acatcattca tttagatacc catgtctcta ccgaatctat 660
agcaatattc tggattctta tgataggtaa ataaaatgta taggaggcaa gcagtaagac 720

gaattggctg gacactagct caccgccgtc acgtggggca gtcattttca taaatcccca 780
 ccgagcggcg ttaccagcca ttcgttcata tcatgggcaa ctgcctcact ttgtggagga 840
 cggatcacct ccttcactt taaacgacca taaatctctc atgggttacgg gcttttacct 900
 tcttgcccta ttgggagata tgccgccttg attgataatg gcggaggcgg acggcgccat 960
 tgttccttac tctcatcta acgatgttg tttgtaagct tcagcttctc aaccgctatt 1020
 caagcgtaaa tctaattga actcgttcca gacgccatga tggatcggtt gtcgtttatg 1080
 atccggtttc gagacaacta gtccttcaag atgcagccga ggctgagaag caccgacaatg 1140
 atccgcagtg tccatactgc cgcaggccgt tgcgagacga ggcctctggt caagacaact 1200
 accattccag gacgcagcca gaatttgta atccgaata ttccgcgatg ctccataaca 1260
 gtcttccacc tgctcagta gattcagcta cagcccagcc gcaatctcga cgtctagtgc 1320
 agcctgtact cgccgatagt cttcaagcg gatcgggcca gtccagggtt cctaacggac 1380
 atggtatctc atcggctgca tttactccag actacttcaa aagggttctt gtggaagaat 1440
 cgggtgctaga aaaagggcgg aaagggtgtg tgttggtggt gaagcatgtc ctagacggcg 1500
 tgtctttggg tcattatgcc tgcaagcgg tgctgttggt ggatgatcac gagggtctcg 1560
 aaaagggttt gattgaagt caaacactcc agcacctctc acatcagaac cttgtctcct 1620
 accgacatgt ttggctcgag aacgcgaaaa ttacgacatt tgggccaagc gtcccatgcg 1680
 cgtttatcct ccagcagtac tgcaatgcgg gggatcttca taactacatt tgtggctcca 1740
 tgcagacatc tacgacgct caggaattga aagagcgcat tagacgaagg tctagaggag 1800
 gccccgagc tctcttggt ctccatgaac ctgcgaagct acattttgat gagatttact 1860
 ctttcttcaa ggacattact tcgggtcttc gatcttcca tgcaagcggc tatattcacc 1920
 gtgatcttaa gccaacaac tgtctgctgc acaagactaa cgatggcata cgagtcttgg 1980
 tcagcgattt cggcgaggtt cagccccagg atgcaatacg gaggtctacg gggcgacag 2040
 gaactgtgtc gtactgtgt ccagaggtgt tacggcggga gtaccctaata gggcccttcg 2100
 ccaatttcac cttcaaaagt gatctcttct ctctcggaat gattctttat tttctgtgct 2160
 tagcgcagct tccgtatcga aatgctgatc tcatcaatga ggagaaggag gatcttgaga 2220
 aactccgtga agagataatg gactggcctg gttttgacca aggaagaatg cgccctgatt 2280
 taccgaaca actatatact ttcctctggc gtttgctgtc agttgacccc gatttacggc 2340

catctgcgaa cgaggtactt agtggcctcg aggtcggggc caatgctaata ga

2392

<210> 20277

<211> 2412

<212> DNA

<213> *Aspergillus nidulans*

<400> 20277

gcttgcctcg cctgctggtc ttctagctgt aattcttcaa cgttttcctt gctcttcttg 60
gaaagcggta taccctcctc ttcgattggc tcagcaatcg gctccattga ctttatagtc 120
ggtgaaattc tctcgccac caattccctc gagtagtctg tcttgggctc ttctatcatt 180
tctggcccaa gtgtagacct tgggatcgag accttctctt tcaagacttc cacaggttct 240
gccagcattt gctcatcttc tttccctca ggaacctgca ccacagcctg cgggaccgag 300
aattcatcct tgactgcgtc catcgctctga actgggtctt cctctcttg cttctcagct 360
tgtttcttca gcttcttctt ctcttcttg gacattttcc ttgtcaaagg agcaggcgca 420
gactcaggtt caatggcaca actctcttcc gcagtagccg ccattcttct cgtttttgcg 480
acacgttcaa ccgaatctgt ctgtaactct agctctggca cccgttttct tcgcaaagcc 540
tctttccag attcgactgt cttttctcc cgcatatcct cccgggttac atctagctcc 600
ttttcagtat cttctggaac tccctccgc tctccctga taacttcgca ctgaaccggc 660
ttttctggtg cctatccgt ttcttcatcc ccttctgctg gatcatttgt cggttcatta 720
gttgatccat gatgtagctc gacactctca acaggttcta ccgagagaa ttcagcttca 780
acggcatcgg ctgccttaac gtctttcgca acgttcgttt ttgcaatagc agaagcagtg 840
acctcccttt ctaactgctc ttgcttcttg gctgttttt ttgccttctt attttcttt 900
ttagactcct tccgggtcaa agctgactcg tcgagagcag caggaggctc ctgcgagac 960
ttatctcggg aaagatctcc gagcgatgtt ttaggttgc cttctccct tgctgcttca 1020
aggagaattg actctggagc ttcaacttga ggagccttt cctccacttg aggaacgact 1080
tccagctgct cctcaaactc gccttttctc ataggcgctg gcaactggacc ttcgagttga 1140
ggtagcccca ttttaatggc agtatcggtt ttctgctgcc ccttttgctt ggctggctct 1200
aaaggagtag actctgggtg ttgattcttt gaagattcac ctgtcctctc ggtctggata 1260
gcgggctctg tagcactcac aggatccct ttagaggagt agatctcttc aggggcagga 1320

gatgtactta tatcgtggac tgggcctggg ggtgcagaaa cgacggggtg cgcacaaat 1380
tcgggtagct ccgcgtcgag cttgctttcg tcgacactga cccatgaaga ctctggctca 1440
gcagtctcct caagcactaa ggctgtgtct tggacagctt ctggaaaggc aggctcgaca 1500
agctcgtggt ctgtggtgtc gaagtctagg ggctcaagag tatctctggt agtggcctcc 1560
gcagctgcct cctgcagagt aggtctttca gtaatcttga tgtcgctttc ggccccgtca 1620
aagactgaac tatcgacctt ggtctcgttt ttcgtagcta aatcgggggg gccgaagcc 1680
tcctccgtag acgccgtctc ctctgcacc tgcgaagcag cagccttgtc tgcttgctgt 1740
tgtttcttcc tctgcttctt gctcagtttt cttgaaggaa cagctggctc agtcgcagac 1800
tctacgtga cgacattttc cgtggactga gtgggttcgg cttcttttagc agcctcagct 1860
tccgttatatt gttccgggat tgcttctctc aaacgctctt cgacagcccc aagtgttcg 1920
aaagtactat gtttgagttc ttttgatcc gcctcttcaa gtttatcagt tgcacatct 1980
gaattttctt ttctgctca ctttcattct gtacttctc tcccagacc gtgaccacct 2040
caatctgact gacgtcttgc cttcaagca tagcatcgtc ccacgtttca aagccagcgt 2100
cctgttgact ctcttctacc acttcaggat cggcagtagt aggcgcaggc tcgacctga 2160
tagccccctt gtcgacttcg gtactttcag attcactctc ggggataaga accgggaagg 2220
ctatgtgttg cttctctttc tctacctgcg aagacacatc gttatcagtc caagtcaatt 2280
ctttatcggg gccgcgcgg gattcgggtg cgtgggactg attatcttta ccgtcttctt 2340
ctgcaggcga gaatgcgtc tcagcgggta cgtcaatctt catttcactt gtgccagggtg 2400
caacttcggt gg 2412

<210> 20278
<211> 2412
<212> DNA
<213> Aspergillus nidulans

<400> 20278

cgagagatcc aggagtcatt gtagggttat ctccgacact cagcgggcta atcttcttag 60
ctttgcgatc atagtacttc ttgcagagag ccgtgagctt cgccgcatat tctttttcaa 120
tcgcgctccg ttctcgatag aactgttgca cctcctccat ccaagcaatg ccattggaaa 180
cctagatatt gcatttagca ccggcgctaa tgtactgcat cgcgtttgtt gtatcttgcc 240

gtaggcacgcg tacatgcggg gaaataacat cgaggaccgt acccaattgt tgactggcctt 300
 gaaggcatcc tagcccagca gaacgtaga caatacctca taggcagcac tttattaagg 360
 agacttacct tcaactctgc tccaaaatga ggagcggcct cagcggctgc cattgttcta 420
 acaactgtac cagtgaacttt ggcacatgcg acctgcgggt cccaggcagc agcggaaagg 480
 agcggacaaa caaccacgtg cagtagagt tttggctcag ataggcgatt tacaggtaga 540
 atgtgttcgg ggcgagcctc ctaccaacta accgacaaca cgccagtgc tgaggacagc 600
 tattgcttct ccgatctgaa cgagtaatgc gggagagcgg ggaagagtca aggcactggg 660
 cgagtagata gcgaatgctg gtgacaatac cgaacagccc ttgtctggcc acgttggtgt 720
 cttatggtgg attaattacg atatacgtca tagcgatacg ggtgacttcg tcacgcctgc 780
 tccttccatg gctgagcggg tgtgccaat cgagattggg ggcttggcaa cttgaggtca 840
 gtccactctt gttttttgtc actgctctct aggtctcatt gacgctattc ctattaaccg 900
 cgctagtgtg gactacgact gattattcaa tcattcctac agactgcata tccctcttct 960
 tcagagcggg gtcccttctt ttgattcgtg gttgtccaac gtctttgtcg gctccgaccc 1020
 cgccaaagca cgctccttac ccccgccatt gaacacaact ccgccgtatt tcttcatccc 1080
 atttcataat ggcacatgac ggcgcaactg gcggctctct cgccgaccgc atctcgaacc 1140
 ccgcaggtac gcgcgctgtc ccttccagt tcgactcgac tggccgggtt ttggccctt 1200
 cgcattcagc actcgctaata gaccggcacg aacagagacc actgaaccgg tcgccgacaa 1260
 ggcccaactg gatggtgctg catctaacca ggggtggctcg gatctcgag agccggagta 1320
 caatgtcgag gttaaagtca gcgatcttca agccgacccc aacaaccccc tctattcagt 1380
 gaagaatttc gaagatctgg gactgtgagt cgtgcagcgc caattcattc cggcaatgtc 1440
 cgaactaata catctcacat agagatccgc gcatacttca aggactgtcc gctatgaact 1500
 tccgcaaacc ttccaaaatc caagagcgag ccctacctct gttgatgggc aaccctccta 1560
 agaaccttgt cggtaaatct cagtccggga ctggtaaaac agctgcattt gtccctaaaca 1620
 tcctcagccg cttggacctg agctccgaac aggctcagaa gacgccgag tactgatcct 1680
 tgcgccaacg cgagaattgg cccgtcagat tgttggtgtt atacaggtca tgggaaagtt 1740
 cctggatggg ctacacattg gcaccgctgt tccggctgat acgaatgcgc gcccaactcg 1800
 gatggaagct tcggtcgttg tgggcacacc tggaaccgtc atggatatga tcaaaaagcg 1860

tatcatggtg gccgcgaaac tcaaggtcat tgtcttggac gaggcagata acatgctcga 1920
ccagcaaggg ttgggtgacc agtgcattcg ggtgaaagcg tgagttcttg cttttccatg 1980
ccagaggcgc tactaaactc ttgaacagcc tgttgcccag ggacatccaa gtcgttcttt 2040
tctccgctac gtccctgcc cacgtacacc agtatgcttc taaattcgcc cctgcggcca 2100
acgaacttac tctgcagcac gaggagtga cgggtggaggg tatcaaaca ctgtatcttg 2160
actgcgctag cgaggaggac aagtatagaa ctcttgtagc actctacggg ttacttaccg 2220
tcggctcgtc aatcattttc gtcaaggtgt gtttatacgc cctagttatc agtcccaact 2280
aacagcttta gacacgtgca tccgccgtgg agattgagag gcggatggtc gccgagggcc 2340
aactgtcgc ttctttgacc ggtggtattg agggttcaca gcgtgaccag attatcgacc 2400
aattccgcgc cg 2412

<210> 20279
<211> 2453
<212> DNA
<213> *Aspergillus nidulans*

<400> 20279

ccttacaata aatattcggt tgaagagctc cgactgggag attacaacca aggtcgccga 60
tacggaaatg gaagtgggca ggcaggagct tttggcacct cagctttcgg ggggggatcc 120
ggttttgga cacagcagca gtccactggc ttcggtagta cgtcgactcc ctttggtgca 180
gctgccacca gcgcgccctc ggcttttggt tcgactcaga cgacagggtg gtttggtctc 240
ggaacctcca atcctttggt tggagcctcc aagccagcaa cctctctatt tgggtggaggt 300
gcctcttctg gcaccactca acctagcctg ttcggaacca cgacgaacaa cactagcact 360
ggcttcggat ccagcactgg tggcggcttt ggatctggtg gttcggttatt cggaacaac 420
accaacaacc aacagcaaaa caagtcata tttggcgcaa gtactggaac taccggtaca 480
ggtaccggtt ttggtggttc ggcacacaga ctactagcac ctctacacca tttggtgcac 540
agctgctact tcgtcaccgt ttggtgggca acagcagcag accggtacgg gtggttttgg 600
tggtatttga cagaacacaa accagacca gaatcaaact caaaacaaag ggctattcgg 660
tggtatttgc agcaaacctc agcaatcctc cactggtggt agtctttttg gaggtggagc 720
aaccaacacg ggaacatctc tgttcggaca gaacaaccaa cagaatcagc agcagactgg 780

tagctcgctc ttcggtggaa gtaaccagca atctggtacc ggtctctttg gcggtgctca 840
gaaccagcaa caacagaagc cgagcctggt tggcggttcc acaaactg gcagctcact 900
cttcggcggc aacacacagc agactggaac tggctctttt ggtggcgctc agaaccagca 960
gcaacagaag ccaagcttgt tcggcggctc cacaaccacc ggcggctcct tgtttggcgg 1020
caatgcagga acgcagaaca cgggttcacg gctttttggt aacactcaga atcagcagca 1080
acaacagagt ggaggactgg gaacctcaag cctatttggc ggttcccagc aacaacagcc 1140
gcaaccaatg cagcaatctc agcctgcgcc tggtagcctt caggcgctcc tccttgaggg 1200
caaccatata ggcaaccagt caattttctc cggctctgct gcgcgaaca ccgccagccc 1260
tgggtccattg gccacccgc tttcgtctgc gaacaagcag aagcaacgtg ctctctgcc 1320
aatctataaa attacgcca atgctgcaa ccgcctcac actccgcta agccccggg 1380
ttacggattc tcttactcta cttacgggtc tcctctagt ggtggtggaa ctccaaacct 1440
tgggtggaagc cttcttggaa caagtatgcg cggcagcttc aacggcagct tgggtcgtag 1500
tacattcagc aagagctttt ctacaagcag ttgcgcaag tcatttgatc cagactccga 1560
cagtattttg tctcctggag cgttggctc tgggagctca cgctactcaa gcagtaacct 1620
caaacgcctg acaatcgatc ggagtctgag aaacgatcta ttactcgct ctgccagctc 1680
gcccactgcc aatatcaatg gagacgagc tggtcagtcc gcaagcaagg tcagaaagaa 1740
ggtcagcttt gactcgactg ctgacaacgc gtctgggtgt gaaattgtac ccgtggagtc 1800
tcaaagctcg gaacctacac cagaagaact tggtttcttg cgctcaatcc gtaagaacgg 1860
cactcccaac ggtgtcaatg gagttaaac ggcgtctgaa aactccgcca acgtgagat 1920
ggagtcgggtt tcagacaaga gacttcttac ttcggttcct gaagacaatg gacgtgtttc 1980
ctctgcgtcc ccgggtgaga atgcgtcag tctgtcattc agccctagtg gcgatcccca 2040
accaggcgag tactggatga aaccaacacg cgctgagctt agcaaaactga gccgtgatca 2100
actcaagcgg ttcacaggtt tgacggttgg tcgcgagcgc tgcggttcgg ttacgtttga 2160
tgaccctgtc gacttgacca ccattgacct ggataatatt cttggcggtc ttgtggacat 2220
tgggtgtccgc aaaatcacag tgtatcctga cgagtcaata aagcctgcta ggggcaaggg 2280
cctgaacgtt cctccacgc tgcgcacga gaactcttgg ccccggtggc gtgacaagaa 2340
gggcccttcg ccagtcacta gcggcccgct ctttgagaaa catattgacc gcctgatgaa 2400

ggttcacaaat accgaattcg tcaactacga gaccgagacc ggcacatggg tgt 2453

<210> 20280
 <211> 2453
 <212> DNA
 <213> Aspergillus nidulans

<400> 20280

ccttacaata aatattcggt tgaagagctc cgactgggag attacaacca aggtcgccga 60
 tacggaaatg gaagtgggca ggcaggagct tttggcacct cagctttcgg ggggggatcc 120
 ggttttggca cacagcagca gtccactggc ttcggtagta cgtcgactcc ctttggtgca 180
 gctgccacca gcgcgccctc ggcttttggg tcgactcaga cgacaggtgg gtttggtctt 240
 ggaacctcca atcctttggt tggagcctcc aagccagcaa cctctctatt tgggtggaggt 300
 gcctcttctg gcaccactca acctagcctg ttcggaacca cgacgaacaa cactagcact 360
 ggcttcggat ccagcactgg tggcggcctt ggatctgggt gttcgttatt cggaacaac 420
 accaacaacc aacagcaaaa caagtcata tttggcgcaa gtactggaac taccgtaca 480
 ggtaccggtt ttggtgggtc ggcacacaga ctactagcac ctctacacca tttggtgcac 540
 agctgctact tcgtcacctg ttggtgggca acagcagcag accggtacgg gtggttttgg 600
 tggatttga cagaacacaa accagacca gaatcaaact caaaacaaag ggctattcgg 660
 tggatttggc agcaaacctc agcaatcctc cactgggtgg agtctttttg gaggtggagc 720
 aaccaacacg ggaacatctc tgttcggaca gaacaaccaa cagaatcagc agcagactgg 780
 tagctcgctc ttcgggtgaa gtaaccagca atctggtacc ggtctctttg gcggtgctca 840
 gaaccagcaa caacagaagc cgagcctgtt tggcgggtcc acaaacactg gcagctcact 900
 cttcggcggc aacacacagc agactggaac tggctctctt ggtggcgctc agaaccagca 960
 gcaacagaag ccaagcttgt tcggcggctc cacaaccacc ggcggctcct tgtttggcgg 1020
 caatgcagga acgcagaaca cgggttcacg gctttttggg aacactcaga atcagcagca 1080
 acaacagagt ggaggactgg gaacctcaag cctatttggc ggttcccagc aacaacagcc 1140
 gcaaccaatg cagcaatctc agcctgcgcc tggtagcctt caggcgtccc tccttgaggg 1200
 caaccatat ggcaaccagt caattttctc cggctctgct gcgcogaaca ccgccagccc 1260
 tgggtccattg gccacccgcg tttcgtctgc gaacaagcag aagcaacgtg ctctctgccc 1320

aatctataaa attacgcca atgctgcca cgcctcatc actccgccta agccccggg 1380
ttacggattc tcttactcta cttacggttc tccctctagt ggtggtggaa ctccaaacct 1440
tggtggaagc cttcttgga caagtatgcg cggcagcttc aacggcagct tgggtcgtag 1500
tacattcagc aagagctttt ctacaagcag tttgcgcaag tcatttgatc cagactccga 1560
cagtattttg tctcctggag cgcttggtc tgggagctca cgctactcaa gcagtaacct 1620
caaacgcctg acaatcgatc ggagtctgag aaacgatcta ttcactcgct ctgccagctc 1680
gccactgcc aatatcaatg gagacgacgc tggtcagtcc gcaagcaagg tcagaaagaa 1740
ggtcagcttt gagtcgactg ctgacaacgc gtctggtggt gaaattgtac ccgtggagtc 1800
tcaaagctcg gaacctacac cagaagaact tggtttcttg cgctcaatcc gtaagaacgg 1860
cactcccaac ggtgtcaatg gagttaaac gccgtctgaa aactccgcca acgctgagat 1920
ggagtcggtt tcagacaaga gacttcttac ttcggttctt gaagacaatg gacgtgtttc 1980
ctctgcgtcc ccgggtgaga atgcgtcacg tctgtcattc agccctagt gcgatcccca 2040
accaggcgag tactggatga aaccaacacg cgctgagctt agcaaactga gccgtgatca 2100
actcaagcgg ttcacagggt tgacggttgg tcgcgagcgc tgcggttcgg ttacgtttga 2160
tgaccctgct gacttgacca ccattgacct ggataatatt cttggcggtc ttgtggacat 2220
tggtgtccgc aaaatcacag tgtatcctga cgagtcaata aagcctgcta ggggcaaggg 2280
cctgaacggt cctccacgc tgcgcatcga gaactcttgg ccccgctgggc gtgacaagaa 2340
gggcccttcg ccagtcacta gcggcccgt ctttgagaaa catattgacc gcctgatgaa 2400
ggttcacaat accgaattcg tcaactacga gaccgagacc ggcacatggg tgt 2453

<210> 20281
<211> 2466
<212> DNA
<213> *Aspergillus nidulans*
<400> 20281

taaaagtctg cctggtagt atagaggatc accatgcgcg aagtcagaac gggttgaaaa 60
tgggagctgt ccgaatacgc cagtgagggc tgacgggctc tacttcagcg ctaacgtcca 120
ggatgatcac ttgtacctgg acaaggcgac gaccgagggt tcagtaacga gtatccctaa 180
ccgcactcac tttcctctga atttatcgct tgttgcgatg togagtcaca agatctacag 240

tactcccagt tgccgctatc catgtctaaa cccggtcggt ccgctcctgc agggaacaat 300
gacagcagaa gatgcatgca aactccttga catatacttt gcggatccag agacgggagg 360
ttcaattttct ggctgtccgt acgtgctttc accaatcatt cgagtgcagt cgctcctgcg 420
ggagacaaac ccgcgcccgg ttccacctgc tctcctgatg ataatccttt ggtgcgcctc 480
tcatacggcc catctgggca tcttttcaga ttcgagtaca cgtctacggg tcacgcaacg 540
tttgtatttt ctctcgatga agcttctgcg ggccagagac tgcgagacct ggcatcaagc 600
agctggtaag tctccagctt gccgtataac ttctcctctc cagaaacagc cccaagatgg 660
atatggctga ccgttcctcc ggtaggcgag tgcgtaccac tgtctgatat gcccttatat 720
ggcacgagcg tcgacactgg tccctctgct gtttgtgacg ggaaggctga gcaagggtg 780
gatgacgtgc tgagctacgt cctgttaaca tgcgtagtct cagtcaccga gttcaaagac 840
gaggctctaa catggtggaa caaagctgtg cgctggtga agaggctggg gttccattcc 900
gaagcacgaa tagcggagaa tacaccttcc tggcagcaga tgctcctgac tgcgcgcgag 960
gaacaggaag aacgaaggag ggctttttgg ctgggtttatt ctctcgatcg acacctagcc 1020
ctgtcctata acgaaccact gcacatactt gatcgggagt gtcagggtgct atgtccattg 1080
cctgaacgag tctggcaaaa tcttgacaag ataccgttgg aggatatccc accacgcgtc 1140
tttgggcctc cgacttgtat aacaggcacc actttcttcg aatacttctc cgacaagctc 1200
agtcgcagaa aacaataccg aatggtggct tgggaagcgtg gctgagtgtc gttgggggtt 1260
tctgtgtttt cgtaatttcc tggtaggtat gtcacgacgt ctagcaatcg tgcacgcaat 1320
ctaacagcgg ctcaggggct tgatcagtac atatggcgcc ttccaagagt tctaccaaac 1380
ggtacttctc cccgatcaat cccctcctc catttcctgg gtaggaagcc tccaagccac 1440
gctcgtggtc atggttggag ttgtatctgg accattggtc gatcttgggt accttcgccc 1500
tctcattatc tcggggagct tccttggtgt atttggcatg atgatgacta gtctggctac 1560
ccaatactat caagtgatcc ttgccaggg attttgtgtc ggcattgggt gcggcattgc 1620
atacattcca gcactggtcg tgatttcgat gtatttcact acgaagcgtc cgattgccat 1680
tggtgtgtga tcaatcggat ccagcgtagg cagtgtggtt ttcccaatca tgtttcgcca 1740
gctccagccg aagatcggct tcccgtggac ggttcgctgc atcgctttca tcaatatgtt 1800
cctcgctgtc attacctgca cgatgctatg ccgcgcccgg ggcgaaaagg tcggagcccg 1860

cagcctgata gactggaaag ctctcaaaga tatcccgttt atgttgctat cggtatcgat 1920
 gttgctcgta atgctcggct attggatccc gctattctac gtcccgtctt acgcccgaac 1980
 tgtgctgaat acaacaacca gcctttcttt ctacgtggta tccattatta acggcgcgtc 2040
 ggcgttcgga cgaaccgttc catatttatt gggatcgga gtgaaacca ttggcattct 2100
 cattagctgc gtggcgggtt cggcaattgc catgttcaca tggattgcgg cgaccaatat 2160
 ccctggcttc atcgttttgt ctgtctactg gggtttcttg acgggggtgc tagtgactgc 2220
 gccaacatcg attgtttcgc atccttcctt ttgccggat ttgaagatgc tcgggactcg 2280
 gatggggatg atgtggggga tcagctcgct cgggtcgttg gctgggacac ccattgccgg 2340
 agccttagta gatctcactg aagcccaatt tctgcgcgt caggtattcg caggctgcat 2400
 gatggtgggc gctgttgttc tacaattatg gccaacattt gtggtcgttc ggcacgatgg 2460
 caagcc 2466

<210> 20282
 <211> 2470
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20282

tgggtggcagc gatgaggaca ttccctctgc aacaaaagat gactcccgat tgaattcgcc 60
 cgcacagaa gacgacgagg atgcacatag cctcgtccta ggccactaca ccacatccac 120
 atccgaatta ggcacaaacc tcagcgacag ccactatgtc tccctctccg gatcgttcat 180
 cagtcatttc attgaccaat acccgcgggg gaaaatcttt cacattgaag aggatgggtc 240
 catatccctt agctacgagg gcttggccga tgagatgcaa cccccgggg aaggcggccg 300
 ggggtgcgccg accagcgacc cggacgtaat caacgtcaag caggagactt cagacatcca 360
 gcagctcatg aaagtccctgc cagacgctcg gtgcgtagcc atctatccta tctgggactt 420
 tcagcgcggc aggtacttca caatcaatct ggtgtgggcc aatgaccccg gccgggtgct 480
 atcggagcca aaagacctga cgtacctggc tgccttcagc aacaccgtca tggctgaggt 540
 atcccgatta gatctggagg cagcggatcg cgaaaaggg gactttatct cctccatctc 600
 gcatgaattg cggtcaccac tgcattgggt cttagggacc gtagagctcc tgcaggagat 660
 ggtgagcggc tacgtcaac attcactaat tgagactgta tacagctgcg gccggaccct 720

gctagataca ttgaaccatc tctctgatta cgccaaaatc aacaccctta gccaacccaa 780
gcaattggaa aatctcgggc aaaaagctct ctctgaagcg cggcccgcgc tgcttgggtc 840
gctgcaagat gaggatctag gcgttttggc gcaggaggtg gtggaaggca tctctgcagg 900
tggtgagtag cagcgccgcg gagttgatgg cggcagtggt ggacgacgag gaccatatgg 960
caatgccaac tccaggctta ttacgatcgt ggatattgaa tggaaatgata gctggcgctta 1020
cagcgtgtat gctggcgctt ggaggcgtgt tgtcatgaac cttttcggga acgccctcaa 1080
gtacactcag accggctaca tccgactctt tatgaggaac gacacattaa agcgcgacgg 1140
acagaacgcc gatccggcaa taagaatgac ctttagtgat tcaggacggg gcatgtccaa 1200
ggacttcatt gccaacacc tctacactgc tttccaccag gaagacacaa cttcgctctg 1260
cctgggcgtg ggactacatc tegtccacca gatcgtcaaa tccctaaacg ggacaattga 1320
ttttgccagc gagcttggga agggaacaga cgtcgacgtc gtcttcccaa tcaaccacc 1380
agaagatcca gcgcctgcag cggccctcta tgactcactg aaagagaaat tacaaggcaa 1440
gacaatttcc ctattcaagc agagctcaaa gctgggcaat ctaggtatgg atactagggt 1500
cttcaacaac atgtcatca gctcggccg catgacgacg ggctggtttg gcttgccggg 1560
cctcactctg gaagaatatg accgcgggga ggcggaactt gcaatcgtca cggagcacga 1620
gtataaaacc tactaccaca aggggtcaag catgccgaaa gaacaagggt ccggtgaaat 1680
ccagccaatg taccgctta ttgtgctcag tgagcgggcg agcagctgga gaacgattgg 1740
cgagagcatg gacgaggtaa tcttctgac gcagccgtaa gtttggtcct tcaacacaag 1800
agaaaggaaa aaagaacgca gctgataagc ctagggtgag cccgaaaaca ctggcgacgg 1860
cgttcgagca ctgcctggtt gcctctacca ctgcactcga tcgcgctgaa gattcggatc 1920
ttatgcccac gccggagaag cgcaagcagt cttgcctgt tgtggatggc gatagtccga 1980
acaagaagac ggttactgag acaatggctg atggagagac ggatatcaaa acggggcctg 2040
ctactgacgg aaaaatagcc ggcgcaacag cgggagcagt gaacggagca tcatgcgcca 2100
acgataaccc cgccagacac cgaattcttc ttgtggaaga caaccaagta aacctgaaag 2160
tgatcgaaat gtgcgttaaa accgcagggt tcacttacga aaccgccacg aacggcctcg 2220
aagctctcga gaggttcaag gacacgcagt tcgatgttgt gatcatggac gtttccatgc 2280
ccgtgatgga cggactcact gccacgcgcg agatgcgcaa gtttgagcgc cgctgccgga 2340

gtaactgcga gcagaaccag gatcgcaagc gtgctacaat cattgcgctc acggctgtgc 2400
 tttccgcgctc aacgcagcat gaggcgacag ttagcgggggt tgatttggtt ctcaccaagc 2460
 ctgcgccgtt 2470

<210> 20283
 <211> 2480
 <212> DNA
 <213> Aspergillus nidulans

<400> 20283

gcgtcctcgg ttgatagtc tcgtatttcg ttggagaacg actgggacga cggaccatgt 60
 tgatagctgg tggaggaatc atggtcattg ggacagtgat tctggcaagc tcggacacag 120
 tggcacagtt gatcgtcggt tcgtacagtc cataagcttc aaagtctccc gggaccctag 180
 gcttgcccct ttgcacggat gtctaataag ttgaactcgt aggacgcatt gtgaccggcg 240
 tcgggaacgg catgaactcg tcaacggctc cagtgtacca gtctgaatgc gcaccggctg 300
 cataccgtgg agccctcctg actctacaag gaacgggtgac aatcctcggg gtcgtgatcg 360
 catactggta cgggctcagg gctcaggaat gggctatatt tcaactgaagc tgacagctca 420
 caggatggat tacggaccaa gcttcacgga atcctcgtaa caatggcgct tcccacttgc 480
 attccaggcc gtcttcgcca ttttccttgt tctgcaagtt atcgggtctcc ctgagacgcc 540
 gcgctggctg gtccagcacg accgccacga agatgccgc gaagtagtcg ccgctatcac 600
 cgaccgggac gtgaacgacc cacaagtggc cggacagtc ctgatatcc aggtcggcct 660
 ggaagaagag caaaagggcg ggccgtttaa attcaaagag ctcttcgcgt ggggggagga 720
 gcaaaatctt cggcggtgc tcgtcattat cagcgttgag ctggggcagc agttcactgg 780
 ctgcaatatg atcaattact acggccctgt catgttcag acgacaatga acatggggcg 840
 gaacctctcc atgatcctcg gcggtgcgat ccaatgtaca tacctcgtcg gctcggcgat 900
 cccagtcctg ctaatggacc ggttcggccg acgaacgttg ctgatagtgt gctctgttgg 960
 actctgcttc tgttttgtca tgggtgtctat tctgctttcg ctggggagca cgaatgccgc 1020
 atatggcgcc accgcgttta tcttcattct ccaaactctt tatggcattg ggtggctacc 1080
 cgtcccctgg ttctatccga gtgagatac aacgaccgc acaaggacac ggatgcaggc 1140
 tattgcatcg gcttggaact ggatggccgt ctttgcggtc gtgaaaatca cgccgcttgc 1200

gttccgtatg tgcttcaacc ctctccttcc agaataacca gagctgacgg aatagaaaac 1260
 attggctggc gtacattcgt catctttgcc gtgctcaacg cggcgtttat ccccatggta 1320
 tacttcttct atccggaaac gaaaggcttg gaattggagg atatcccgt gctcttcagc 1380
 aaggggcggg tcaaggggcg ggtgttttcg tccaaagggt ggcggaccgt cagcctggg 1440
 cagcatgcaa tgcagacgaa cgttgaccgc aagggtgagc ggatgggaat tgagctggag 1500
 caggttgaaa ctgttgcttg agcggctaca gtaatacata ggtatactgt gtgactaggt 1560
 ggcacccgtg aatgggacag tatataagca agcttgcgcg ctctagccga ttcagagcat 1620
 ttgagtccaa taaaagcacc tccagaagcc aatacagcac cttttcagaa aagccgtcta 1680
 tgacatcaaa tcgaaacaaa ggcctctcct cctaaccgcc ctccaccggt tcgtagccct 1740
 aaataacttc gtacacccca caacaacca gttctagcgt cttaagaacg tctctgtaac 1800
 ctcccaccgg tcagcacccc acggatcttc ccagataatg ctccccgttt cgcgattctc 1860
 ggcccttcgg tccgcccaca gaatagcgtc ccataccgcg acataatccg atacagcagg 1920
 acatcatcat agccacgtcc ctaccgacc ccagcttcgg cgaggataag attaccagc 1980
 atctgtggga acaccggcag gtcaagccgg gggatgatgc ggaccgttaa ctggactgcg 2040
 gtcggttgca gagacggggg taaaagggca atgcctgtcc gacgtaacga gggctttact 2100
 ggcccagcgg tccaaaactg cgacagcgcc tcgtcatgta tctcggtgc agagtagccc 2160
 agcacttcga tgttggtatg tagcgcgcg aaagagttga cgcgtgtcaa gccaagaagc 2220
 aggtctgttc ggagcgagtc ggcggcgtat tccgcgtaga aaagggactc cagatggcgg 2280
 aggatgtact ttgatttttc ggcctgtggg ccgagaatag ataatctgtc gaggacgggg 2340
 aagaaggtct ggatttggtt gtgagttcga cttgatctt ggccctgtaa ggtgtgcttg 2400
 accacagcgc cctggctcgc tgagtttacg gcgaagcctg cggctgatgc ctcttttagtg 2460
 cgtattgcag catttgtgag 2480

<210> 20284
 <211> 2485
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20284

tggaagcact tcaagtattg cgaggctctc aacaatagtc ccagcagatg ttgogagaca 60

ggtggaagtg gtacttggca tcctccccgg atcaagggtc ttctttcttg ataaaaattt 120
 gtggctttgt tctgttttcc ttaagagttc ggttacggaa gataccatcg agcgtcatta 180
 ctttttgcca cgcgactgga caacgacaga atatttccaa cagtgtttgc tgttgagaaa 240
 tggtagcgtt ctttgcctta gggaggatga ggtggctgtg attaaaagcg aactgagccg 300
 ctcgtagtga cagttttcaa tgtgcctga cgcccatca ctgtacggct ctaatcaggc 360
 tgccgcctct tttagacatta gttgttgcat tggagtagct aatcaccatc tcttgacact 420
 aggatgcgcc agtggatgct ccaaaaaagt aaatatataa tccttggtta gctgaggtta 480
 gccgtggcac ctgtcaggtc gttctatact ggagggtttc cattcaggcc cgttcgaagc 540
 tctgtatagg gagtattgaa ttacgagctg tgggtgtaaa gtctgtaatc ctcatctgcg 600
 ataaagcatg tattgcgata tcactatccc ctcttggtgc attgaatctc gaaagattat 660
 gaatcagtag ttgttctggt ggctatacac gcgccttaag ctaaateggc cagctgattc 720
 gcttgtttag gagttgtaaa gcaaagccct gttttctggt ttaccccgcc tgctttgctg 780
 cgacttacag attgctcgtc cgccagctct catctggaaa cgccccctt tctgctcatc 840
 tactcttga aaatccagat tgtcacgagc aacagctggt ttgttccctt gtgagataaa 900
 ataaatacag aatatgtcct cggaacccc ttctactgat atggcaccgc ctgcgaatac 960
 tcctaacaat atcttgaag cacgagagac tcccggtca gctacgagac cgtacacttc 1020
 attcacatct cgtagcacga tgttcattgt tatcattgct ggttttgcaa ccatcacatc 1080
 tcctcttacc gcaacagtct acttccact actgcctaca ctagaggggc aattcagggc 1140
 atcacctcag gcaatcaaca tgacgttgac aatatatgtc atttttcaag ccatatctcc 1200
 tgcagtgttt gggccacttt ccgacaccgt tggcagacga cctatcttcc ttcttact 1260
 tgctatctat gctttggcta atcttggcat ggcattgaac aagcataact atggatttct 1320
 tctgctgctt cgagcgcttc agagcttggg tgccagtgtc gcattcgcta taagctatgg 1380
 gattgttgcc gatgtctgct tatcaagcga gagaggaaag acgatggctt gggtagtat 1440
 agccctgaac atgggaacgt gtctgggtcc cataataggc ggcctagttg catatctcag 1500
 cggagatatt gagtgggtct tctgggcgct attcatcgtt ggacttcttc tattactaat 1560
 tgtcggaatg ttcttgcccg agaccgctcg caatctcgtt gggaatggag gtgaccaaac 1620
 ggaggggact ctatggcaac agtgctgctg gagttatatt cgaactgtgc gattgctcaa 1680

caaagaagag aatgagcaag accatcgaga atacgaagct gcagttagag ctgaaccagg 1740
 aacgctcaac cggctgataa cgagaatttc tgcccctttc agtattcgaa tgttcgccgc 1800
 tcccttgcca attatcttct ttccagacgc cttttggtgc ttgtggataa atggatcggt 1860
 ctacgcagtc gactatatcc ttgccgctac gggtcccaat attttcacag acatatatca 1920
 attcaatagc ctactaacag gtctagccta cttccaaga gggataggta tcattgtcgg 1980
 cagctactgc aacggtagga tgatggacta taactacaaa gtcacggccc gcaagcataa 2040
 tcagcctatc aaccgtgtct ccggtgataa catacaacag ttccaattg aactggcacg 2100
 ctcccgcggt acttattatc tctagttat atcgacatgc acactgcttg cttacggctg 2160
 gacggcgaat tataaaaagc acttttcagt tctgttgatt ctgcagttta ttcaggggtt 2220
 ctggagcact tgcttctaca cgatctataa cacattgttg atagatgttt tcccagataa 2280
 ccctagcacc gcagcagcaa gtgcaagtat aacaagatgt gcattggccg cgataggagt 2340
 cactactctt caaccatttg tggacgcagc aggattaggg tggatattta cggctcttgg 2400
 actctttagt gcagtatgtg gtattgtggc cgtcagtttc gttagaaaat atggtatgcg 2460
 gtggagacag cagaggtata tgaac 2485

<210> 20285
 <211> 2504
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20285

ggccttccaa cagggaaaag acacggtgct actcctacta gatataaaag gggcatttga 60
 tgctgtaata taccaacagc tcctttctta cttatgcctg taaagatagc ataaaggctt 120
 actccagcta cttaaggact agcttactag ccactctgta tctgttcata tcaaagaagg 180
 cactgccaca gcactaatta aagaaggact ctctaggaa tccctcctat cccaataact 240
 cttcctacta tatacagcaa gaatagtctc taccttagag agctccttct gctatgcaga 300
 tgatataggt atattattaa ctaggaatac cctggaagag agctcacaat aactagtagg 360
 ggcctataag caaattactg ccctagggac agagacaggc ctccccttct taatagagaa 420
 aacagagata caatacttct ctagaaagca gcagcagtat ctccccacag ttactctacc 480
 tagtataggg gagattatac tatctctata tacatgttgg ttaggagttt ttctggatac 540

aaagcttact tttaaagcct atattaattt agtcttcagc cgcaggaaac aactcgccca 600
 gcacctaaag agacttagca ataccagca tagctgccta gtagcctcca tgcaggcagt 660
 agttatatag tatattctcc caacagctct gtatggtgca gaagtcttct atacaggcaa 720
 aagacaaaaa ggggtagtta actccctact ttctctcttc cgcacagcag ccctggctat 780
 tatcccagcc tacaagacta cccctactat agtacttctc tgcaaagcag acctactact 840
 ttggccctat cctagtaact aaggacatg gccccgcggg cccaggaca gaggtctata 900
 atgcagaaat catgggtgct gtagaaggcc tacacgcagc cctgggacaa ctatgtgtgg 960
 gttactctat acagctagtt atcctcctag acaacctagc agcagcctcc ctgctagcaa 1020
 gctataggcc cactccgcat aggcataagc tgtcagagtc ctttggccag cttgctaccc 1080
 agtgggttga agtccctca atcctaacca ggccacggaa gccccttcaa gtctgctaga 1140
 tcccaggcca ttctgggatt gctgggaaca agctggcaga caagcttgca aagcttaggt 1200
 cctctatata cagcccta atccccccat cccctgcata cctatgacgg gagacaaaac 1260
 agtggccttg tacagagata tatacagcat atactagtaa ggcaccacaa gcctacaaga 1320
 ccctggatat cagaccccat acaaaggaaa gccgcacccg cgagcacaag cttccctgtt 1380
 gggtaacttg ccaactcgtc gctgctgta caggccacgg agactttaca gcataccacc 1440
 agcgcttcaa ccactcagac tacctggaga gctgctcttg tggtaggacc aagaccctag 1500
 tatacttctt cttctgcca tataccagaa agcgctggaa agatagatgg agatatataa 1560
 gggacagccc gtcaaaaata atagactggc tcttaagtac agctaccagg gctgaagaat 1620
 tcagccacat tatacaagaa tcctccttct tcaaggatat atgccgaac tgggcccgcc 1680
 ggagtgcttg atagtgaac agtccacaca tctacctgga taaagggtcc agccccctcc 1740
 cccaatctat aggtagtcaa aacaggcatc tgccctcaaa gacctggcca gggcagtacc 1800
 aggtgcttct tctgcttgtt tccaatatat attgtccata gttgctgctt caaacctgta 1860
 tctagctagc tcctaggcag ttctgttttag gtagcacgtc cagatgcccc ctaggaggcc 1920
 gcagatcacg tgggccccgt gatccgccga gtgacgttaa ataataaaaa caaaacaaac 1980
 aaaacaaac caaacaaac caaacgacac atgtaggtca ccacgtgacg agcatacctg 2040
 catacagtca cgtgcaaacc tccggcttgg caccaatttc gtccgcagat tcttgagatt 2100
 tgccagtcgc gacattgttt taatcttagc attgtgtagc aacgattgaa agcctgtgcc 2160

gtggctccat actatcattt tctgcatcag caacttcaca ttctgccatg aaaatgattt 2220
 gtcaacgctg ccggtcgagc atcctgaccc gactccagcc ccagactttc acaaccccgt 2280
 tgagcatcag tcaacgagtc cagtttcgca gctacagcga tggaaggcct acggtatcgg 2340
 ctacacctcc acctccaaag ccccgacagc ctattggcga cgacattacc atcccgtccg 2400
 caatctcctc agcaaccctt ggcgtctcgc agcccttgag caccgccgag ggcgtccata 2460
 ttgatgtgaa cccacaaaaa gctaccaagc cagtcgagcg tccc 2504

<210> 20286
 <211> 2533
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20286

cgacgccgac ggctgatacc ccaggctcgg cgcttctcct gcatttccca gggaaacgtt 60
 atcttttcgg ccaaattgca gagggggttc aacgagcatg tacggaacga gggacaaagt 120
 tgacggacgt gtctgatgtt ttctgtcgg gtcggatggg atgggacaca actggaggct 180
 tgattggcat gattcttacg aaggccgatg ctccgccag ttcaaaggag gctctggaag 240
 ccctcgagcg cgaaaaggag gcgaatcgac agaagcgagg gtggaccaag aaagatacga 300
 aacaaacgcc ggccaacgca gagctcgaag atccgcagca cgacttgact gtccacgggt 360
 caaagaatct tgctcatacc ctggctactg cgcggagggt tgtcttcaga caaggtttgc 420
 ccgtgcatac gaaggagtac gacgcggaaa gtgttgcaaa gaggctgcgc actgatcaaa 480
 gcgacccctt tgaagtgccg actttctcgg atgaaaacat caaggctcgg accatgccta 540
 tcagcccgtc ttctactaca ccacgttcgc aaagccctaa aaagaggagt cttgacgaat 600
 ttgcggaaga tgtgcggggt ttagtggagg tggaccagca atccaaggat caattggtgc 660
 ggcagtctgt tgtgtctcat atgtttgact caacttgac tctggatgca ttggaggaaa 720
 cccgtcttgc cgacgtcaaa atgccagcgc aaatctttgt acgaaatccg gagaccaagg 780
 acctggacaa gtacacaggc ccgcttctcg gaggagatga ggaggttcct gagatgaccg 840
 ttcttgtccg taaaccctgg cccggcgcgt cgatcagcaa gatcccaaca accacaccat 900
 gcgttgagag tctatgttac atcatcaaga accacgacct ccgcggaaag tttgatgcta 960
 agaaggcaat cgctctgaat gtcaagcctg gccctgactt tggtgctctg acaaggggtg 1020

aaactgtcaa ggctactgat ggaacgatgg tgacacctga aatgggtgtg gagcctacaa 1080
 agcctggcaa aggactggca gtaatggacc tcccgaacttc ggattatgtc gagagcctgc 1140
 taaaccggcc cgaatggaag tccccctcag ttgcaagcaa tttggcagct ttcttttga 1200
 tcctgggtcc tgggtgtcggg gaacaccctc ggcttcggga attcgtcgtc tcaatgccga 1260
 actgcaaaca catcgtctcg agcacggatt attgcccga cgaatctgacc atgcagagt 1320
 ttgccgggtc ggcatctgca tggcccggat aaggcctgat aattacctag tccctataca 1380
 cgacaacaac agtgttccac aaacgcaatc cagtctggaa gatcgcatgg ccgtggatag 1440
 ccaaaaccat tcattcgaac gagccgagcc cggactcatc gttagtatgg agcccgagtt 1500
 caagataaac tcagatgaag taccgcgacg actgaacgca ggtagcatcc tgacaaagat 1560
 gccgcagtct gctgtaaggc gggctcgact agttaccaag aggctgcaac atccgctacg 1620
 ccaggagaag attcagcaat ttgtgagcga cattcctggg gccgatgcgg agatcatcac 1680
 gctcgggaacg ggatcttctg caccttcaaa atatcgggaa tgtttccagc accctgggtc 1740
 atgttccagg tcgggatatt atctatttga ttgtggcgag ggcacgcttg gtcagcttaa 1800
 gcgcatgttc agccctgagc agctgcgtga agttcttcaa aacctgcggc taatctggat 1860
 tagccatctc catgcggacc accaccttgg tacagtctct gttataaagg cttggtacca 1920
 ggaaaactat cccagcggag ttgcacagct gagcgagcct gaaaaagaca tagggaagat 1980
 cctggaggag aagcgtttgt ttgtcgtatc tgatctcatg atgattgagt ggttgaggga 2040
 atatgctggg gttgaagatt ttggtttcgc caagtcacgc ctctatctgc ctatctatac 2100
 aggactggcg acgaggggat gaaatgggtc ttcaaatacc gccactgccg tgccgacggc 2160
 tcttatcgtg ggcgggaagt tgaacacata aaaccggaac aaagtgaact gaaatttaac 2220
 tgcaaaggat caccaggaga ggagctaagc gccaaagcttc gcaaagccac gggctctgtc 2280
 gatattctaa cggcatacgt ctcccattgc cgtggtgcaa tggcagtctc actcatcttc 2340
 cctgatggct tcaaagtctc cttctcaggt gactgccggc catcgccctac gtttgtgact 2400
 attggacagg actctaccgt ccttatccac gaagccacat ttagcgatga catggctcggc 2460
 tccgctctcg caaaaaaaca ttccaccgcc caagaagcta ttgaagtagg ccgcaaaatg 2520
 cgcgctcgca cta 2533

<210> 20287

<211> 2535
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20287

```

tcgctatcat tggcagcggg tgggtctttt aacctttcag tcgctatata tgaaactaac 60
aacatattag gcatctttgc ccgtgagcaa catctcgtag gtcaccttac aatgcaccag 120
ctgaatgggc tgtcattctc acgaattgac cagcgcattg acttgggtact gaataactaac 180
gatttcgaat ccagccagca attaaagaag cgccgatgtt ctgctgaaa gccatatact 240
cgcgctcgct caaatccgcg caggggtctgg cagaaggcct tgaggggtgtt gatctgtatt 300
cggatgactc aggcgcaggg aagagttacc aagatctcct tgcaagacaa gatatcggag 360
ctgttatttt ggcgtgcgta taacctgttg tcccaggctc taacgcccac gtcatagcct 420
agattgtccc taaggggtcta cgatgttgaa atgctgaccc aggaggggtct tatatctggg 480
ttagaggaag cgctgacttt gtctgacgtt ggtagcctcc ccacgctcgc gcaaccggca 540
tatatcaagg aagccctggc tgctaagaag cacgttttgt ccgaaaaacc gatcgccaag 600
gaccttgcta ccgcgcagga cctgatggca tggtaaatg acaacgcccac cgttgacaag 660
tccaagacgt tttgggggtgt cgcggaaaac ttccgcttca ttccggaagtg gctgaagaca 720
gcagaggagg tgcagaaatt gggggggcgtg aagactttcc gagtcgttgt gcgaaataag 780
gttgggacgg aggggaagta ttttagtagg tcccattctc tgtcgcagct acagtctaca 840
atgacattcg tcgaggcgac acgctaacag gtatagacac accctggcgt aaaatcccag 900
aatatcaagg tggatttctc ctcgatggcg gcatccatac tgtggctggg gtccggctca 960
tccttggtcg cgaaagaac agtcttaaaa gtctgaccgc gcagacaagc caactacagg 1020
aacacctgcc gcctatagat acggtcgacg cgctgctgac gacggcatcc ggcgcgcggg 1080
gtgtattcag cctttcattt ggatctgaat tcaagagctt tgtgctggag ttacgtgtg 1140
agaaggggtg ggtgtcgtg gttgatgatc aattgaccgt taacgggtgtt gcaaccgaaa 1200
tcccttttga aggggtcggg gtcaaagagg aagtcaaagc atttgagag tcgatcggtta 1260
atggagagtt gaacaagaaa ttagtgccgg acgaggcgtt ggcggatctg gaggttctgg 1320
agatgatgtt tagaagtggc gaggatgggtg gacggaagac tttgaagttg caagactgaa 1380
catgatcttc atgacgggga tcgaaagtat agttctataa aaggctaggc tagttaaata 1440

```

gaatgatcta agtcaaaata agaaagtcgt agggcagggc ccagtaaccc tatcacgtgc 1500
 ccacaggtct ttccgctcgc ttagcaaagg gcactaacgg ggtcactggc agtctcgggc 1560
 ggccaaccct cagcgcgaaa ttccgagacc gatttcgacc gtccgacaac tccagcgcca 1620
 acgggacaaa cgacaaggta tattcattgc ttgactctgc tctttcaaga ggttcattga 1680
 tgctaacaat tgcgtgaaga tggctctcgc taagaagcac gtccctatcg tcaagaagcg 1740
 tatgtcacca ccacctatca cccgctgccc tgccttgaga gtggaagagg aggattgcaa 1800
 aatagcacia gacgaaaaga ggaggcttac tggaaaaact tgatcgcccg atcagttttg 1860
 tttgaaaatg gaatggagga tataattgac gagcgactcg ggtcaaccac acgtttatat 1920
 gatcaagtct gactgatcat ctatataggc accaagcgct tcacccgcca ccagtccgac 1980
 cgcttcaagt gcgtgccgga gtcattggcg aagcctaagg gtatcgacaa ccgtgtccgc 2040
 agacgcttca agtcgaacat tcccatgccc tctgtgcgtc ccccgccaca agacgctttc 2100
 gaggtcgatt caaatcgaaa catgaaaaag atgaacagcg agactaattg atacctgaat 2160
 agatcgggta cggtagcaac aagaagacca agcacatgat gccctccggc cacaaggctt 2220
 tctcgttca caacgttaag gacgtcgagc tctcctcat gcacaaccgc acctacgctg 2280
 ctgagtgcgt cccgcaatcc taaacctatg aatttgatca actcgattgg aggactaata 2340
 tgctcttctc taggatcgcc tccgccgtct cttcccgcaa gcgcgtcgac atcatcgcca 2400
 aggccaaggc cctcgggtgc aaggtcacca acccccgtag ccgtgtcact actgaggctt 2460
 aaatggtttg cggtgcgatt gactgaaacg aaaaaagcg aaaatgattc tgggaatgaa 2520
 ttgataaagc gcggg 2535

<210> 20288
 <211> 2542
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20288

cgaccggtgt gaccgtgctc tccaacattg cccagcata tctcctctac gcctccgcca 60
 aagcagccgt cgagcagatg gcccgctga tggccaagga cctcgacgc aatgggatcc 120
 tcgtcaattg cgtcgcacca ggcctacga ctacagggtc ctctctgaac ggcaagtcag 180
 accagatgct caagatgggc gcgggattca gccggttcaa ccgcatcggt gagccggaag 240

agattgcaaa tgcggtatac ttctctgtga gtaaagacag cagctggggt tcgggacaga 300
 ccctcagggt caacggggga atggcataga ggacgtggt cttttggccc gcttatgatt 360
 agcaagaatt tcatttccaa aatttcctcc caagtttctt tccaattgaa agcctcgatt 420
 gaaaacctcc tactaaaaac tccaattaaa atcctcacag ctgaagatat acaaatttc 480
 cggctgttca tcttcgtact ctgacccta ggattcacg tacgacgcat ggggtactctg 540
 tactcgatgg gtcgtatccg ggtccgctcg accattggct aagtcagggt acccctttgg 600
 tagcgcaaga gcatccacat aataaatggg ccaaggccag gaccggtgtg ttgcattggg 660
 accgagtcag cttcctgttt tctaaaagag aatattatca tggcaatcct tgtacgcctc 720
 ttcttcgccc tctttgtcgt ctccgtctac ttcttcgcg tacgcctcg cctgagccac 780
 atccctggcc cgttcctcgc ttctctgaca aacattaacc gtgcacaatg ggtgacgact 840
 ggtagagccc acacgattca caccgagttg catcgccagt atggcaagggt cgtgcgcgct 900
 ggcccaaata ccgtctttgt atccgacccg gctgctatac cagccatcta tcggttcaac 960
 gagccatacc agaaggtttt cttccttaca catattacct ttcgacgcaa atcaaacagg 1020
 aggctgggtgc taatattcat ttatcattgt tctcgatgca gtccgagttc tacgacgctc 1080
 tgatgcccta tgttcgcggc aagagcatcc ccgagctct cgcaccaga gacgagcata 1140
 tccatcggac aatgaagcaa ccattgcag ccatctactc catgtcaaac ctcgctctcgt 1200
 ttgagccgta tgtcaaatca acgatcgagt atttcttctc gcggcttgac agtcttttcg 1260
 tcgagactgg caaggctcgt aatttcggcc tctggctgca tcttttcgcg tcggatgtga 1320
 tgggcgagat cacattctcc agacgactcg gtttcttga gaccgggggc gatatggaga 1380
 acgtcatggc gaacaactgg aaattcttcg ttcaggccgc tccggtacgc ccgataagtc 1440
 tcttgatcat tttgtatcgg agggaacgct gactgaaggc tgtggtgtcc taggcgacgc 1500
 agatgccctg gtcgactac ttctggaac ggaacccct gcttcaggc agtgtcaaac 1560
 cgaacaaggc cattgagttt ggcgtcgac ggattcaaga acgacttcac ttgtcggaaa 1620
 agcatccaga tcatgtgaac agcagggtt ttctctcgcg gttcattgca gccaaaggaga 1680
 agaacagcca gatcgggccg gagtaagttc taacttcttc cctactgacc actgaagtat 1740
 aataaaagca aaaatgcaag attatattga aacgtctggc agtgctatca tgacctgggc 1800
 caactctaac atccaagccg ggagcgacac aaccgccatt ctctcagcg cactcgtttt 1860

cacactcctc aagaaaccaa cgagtctggc ggcactgtgc actgagatcg acgccgccgc 1920
 caagaggggc tgtttatcct ccattctgac gtggaaagaa acgcgcgacg tgccgtacct 1980
 cgatgcctgc gtgaaagaag cggccagact acacccaccc atcagtctcc cctcagagcg 2040
 agttatcccg gaatccggga ctgtaatcgg cggattcaag atccctgggtg ggacgagggt 2100
 cgcgatgaat ccgtgggctg tgcacgtga ccgtgacgta ttcgggtgcag acgcagatac 2160
 ctggagacca gaacgatggc tagaggggga ggagaaggcc aagacgctgt acaactcggt 2220
 gctgacgggt agtctttcaa ctcggtcgag gaatagtcac taagaggtct ttgctatagt 2280
 tcggcggagg ccaccgctcc tgcctaggga agaacatctc ctaccttgaa atttacaagc 2340
 tgggtgccgtc gatattgctg cgctatgagg taagaattcc tagccattat ctataaagat 2400
 ctagtagtga cggctgcaga ttggactggc tgagccggag aaggagtggc acttggagaa 2460
 ccggtgggtt gtgatgcctt caaggttcta cgttaggctg aaggcaagaa acgggggtgac 2520
 taaactatga gaaagggagg gc 2542

<210> 20289
 <211> 2572
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20289

cgacgaagtg actcaccatc agtagttgag ttaaatatcc atcgcagtga gattccagac 60
 cctgtagcaa gggaccgaag gaggcgaaaa cgagaccaa cagttgcgca actgatagac 120
 aatgaggtaa gtcagtaata agtatatatg ccacgtact tacgtcccta taggaaacgc 180
 tgtatttctg caacctaaact gttggaactc cagggcagag tttgcgatta attcttgata 240
 ctggtagcag cgatttatgg tgcaacgccg cgaattcaac actctgttct tctccgaaag 300
 atccatgtcg catatctgga tcatttgacc caagctcgtc atcatcttat tcttatatat 360
 cttctgattt caacattacc tacgcagacg gaactggagc cgccggggac tatgccactg 420
 acacagtcag tattggtggt gcaacaatta aagacttcca gtttggaaac ggctacacat 480
 ccagttcagc aggtatgttg agaaaatggt ttgttgatc agtagctgta atattgatag 540
 ctctcagagg gcgtcttagg aatcgggttat ccatcaaag aagtcaggt tgctcgatac 600
 ggagacgatg cttatcccaa tcttcctcgg ttctgatgc aaaatggatt tgttcagtcg 660

agcgcttata gcctctggct aatgacctt gaagcgaata cgggctcaat cctgttttga 720
 ggggttgata cagagaagta tcgtggcgac ctgcaaactc tccccattca gaccgtcaat 780
 ggagagtatt ctgagctgat aatagctctc actggcgctc cgctggatac tgaagccagg 840
 aagcatacag tgtcttcaaa cgcgctacca gcagctgtgc tcctagactc cggcagctct 900
 ctatcatatc tacctgactc aattgccgaa aaaatatacg atgaccttcg catttcctat 960
 gaggcgtcca ctggtgcagg atacgcgcca tgcagtttgg cccggcaaaa tattaatgtg 1020
 acctttacgt tctcttcacc cgaaatcgcg gttggcattg atgaactcat tatagatgcc 1080
 ggagatcttc gtttttctaa cgggtgaacgc gcttgcatat tcggccttgt tcctgctgga 1140
 gataataccg ctgtactagg ggataccttt ctgcgcagcg catatgttgt ctatgatttg 1200
 acaaacaacg agattttctat cgccaaaacc aatttcaact cgacaaagag taacatccta 1260
 gaaattggaa ccggtagtga cgcggttctt ggagctacaa aggtatcgca tcctgtcact 1320
 tcagtagtgg ctgatgggtc tgggtctaga attggtgcgc caacgaacac tgaagatatt 1380
 gtgccatcgg cgagtacagg cgcagcgggt gtgctaggga gatcgacaat atctccggtg 1440
 ctcgttggcg ctgcagcatt ggggtatatg tttgcttttt gaaattttcg tacagataaa 1500
 gctgatttct aggtagatga atatcaatat aagacccttt gaacatgatg tacgtgcgta 1560
 taagagaggc tcggggaatc aaaatcagaa atactttaac tagctagctc agatcgggtc 1620
 tagagtaaga tgtgcgggca gatggtgagc aagtaccaca cttgtaggcg cccggagata 1680
 actacttgggt gtacacttat gatcgacgtg ctcgagggtg aaacagccta gtttggttat 1740
 catctatccc gtggtgggtc tcccacctct tgtaccctac tttcagtact agtgctttga 1800
 acatgttctg cagaccgcgc actatccggg gccgtctcgg acaatccgcc gagcttaaac 1860
 cacagccaca ccaccctgtg gtccagcttg caactttttg aaagttgtct cggtagggct 1920
 gacttcggaa ggcgccgaa tcaccacctg agtacagact aattatgctg agtataaaat 1980
 ctagtcagtc ccatttgcg tgatcccgca caagacgac caaatgcccc ggctcacaac 2040
 aagggctatc ctggaagcaa acaaatacga ccgcctactt cctcttctct taaaagagtg 2100
 tcgctcactc agctctgcgg taaatgagtt tcgatggctt caggaacgag cacagcgtgt 2160
 cgtatctctg aagtcgatgc acgacaggaa tggctggaaa caagccccgt ctggcaggag 2220
 aaggctcctg aatcaatgt gtctggcacg atccaggggt gtgcccctcc agtatatact 2280

tggatgatcag ccctttggtg aacttgacat caaatgtacg aaaggtgttt taattccgag 2340
 gtaacatttc ctggccaatt ttacatttaa gcagatccga atctctccta atctcccagc 2400
 atatcaggca tgaaacggaa gctataacta tccacaccgc gaacgtgata caggatcgca 2460
 tgacctgtgt ggaaagggat ggagcagcac ccctacgcat cttggatctg tgtacgggca 2520
 cggggtgtat atcactactt ctgcacagcc tgctttcgcc ctgttttccg cg 2572

<210> 20290
 <211> 2581
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20290

ttcagaccct ggccagacca cccgaccgga aaggtgcgta tcggagatga gatgcggaga 60
 ggagcctggg gagagcttca ggcccttaat gttcaaacc ttgattgttt cttgctgaat 120
 tttctccgat aggatgccgt gacttttcagc ttccccaaca gatgaccaag gaaaatatca 180
 cagatcaat agcagcagaa cagggtggaa gtcgatgcgg acctggattg cggtgaggtc 240
 attgagtaac gcggggcagt tcgagtcaag tctcgtctcg agaggaaagg ggcaagagca 300
 tcaacctttc tcccctcgag gttatataac aaacaggagc taatatttca gccgcggcgc 360
 cggacatcca gtttctaggc tgcagaatca atccgagaat cgtcaataat tgatgttcag 420
 cgctgggtcg gctcttcag atgccgcct gactgcccg ggccaatcgg gtgaagcccg 480
 tactaattga acagacacga tagtgtcgaa tttggtcggg acttgacctg tactaatagg 540
 ggcataagtc acgagacctc acctcactat tacctgtgac cgttggaac cgcctacatt 600
 cactattgt cgcctatgga gcaccgaaca cctcccacc ccgtatttct cagtcaagat 660
 aaaccagaac tgggtcctcg cgggtctggac aaggaacagc atcatgtcta gccacaagac 720
 tttcgctagt gtaactctac tgtggtagtc aagtgaatca cagactacct ctacagttca 780
 ggtgatgcga taagagccag catatcaagc cacgaacgat caaaaagcta ttatcaagcg 840
 cagagatcga atgaactaca ggcagatatc agaggtatca tgacggagtt ggaagcaacc 900
 gcaacctcta cgctacatca tgattagttg acgcgctgag atcaccggac taataaagcc 960
 cggctcatgg cccgccataa aaccgactgg ctacacacct caaacaactc aacttaccaa 1020
 gatgacgacc gtcttcaaaa acgctcgcgt atactcgccg gagtcagggc tgggggacgc 1080

cgcttttggc tcttgcatgg tgattgaaaa gaatcaaatac gtgcacgttg gatcgctcga 1140
 ggatgccacc ataccagcg atgccagaat tatcgacctc catgatcgga ttatcatgcc 1200
 cggcttcacg gacgcccacg ttcataattc ccagtagggg ctctcgctgc gcaaagtcga 1260
 cttgaccggc tgtaccactc tgattcaaata ccgaaatgcc atcaagtcct acgctgattc 1320
 gcatctctcc gtccctcgca tcctatgccg cggttggaat cagtcatgtt tcgatgaaga 1380
 accgctggca agtatgatag acgacctga acccgtccc atctacattg aagcggcgga 1440
 tctccactcg atctgggtgca actcggcggc tctcgacgag atgtgcgcgc ataccgcacc 1500
 agatcctcca ggtgggtgcaa tccaccgtga cgagactggc cgagcaatag gcctactgag 1560
 tgaagggggc gtgatgaact ttgcctggcc atttcttgac aaagtcacgc caaaagcgga 1620
 gaaacttgat gctctggaag cagctatcaa atcatactct gctacaggat atacaggcac 1680
 aatagacatg gccatgtgtg aggatcactg ggaaatcctg aacctctacc gtgcccataa 1740
 aaaaatccca ttccacatcg ctgcccactg gctcgtcccc ttctcagatg accagcaagt 1800
 caatttcagc tacgtcgacc gcgccttga aatccgccgt caatacaatg atcctacttt 1860
 taccatcgca ggaatcaagt tgatgtgca cggtgtcgtc gatggatgca ccgccgccct 1920
 caggcacccc tatggcgga acccagatcc agtacagcca atctggccag aggaccttat 1980
 gtccgccgtc attcaacgcg cagacgacgc aggctccaa gttgccattc atgccatagg 2040
 cgatcaagcc gtccaccaat ccataaatat tctctcatcc ctcgtaata ccagtcacca 2100
 aagtttgcaa gaacctcaac gcgaccggag acacaggatc gaacatttgg aactaacatc 2160
 ccccgccgac gctgcccgtc ttggccaatt tggcataaca gcctctatcc aaccgtcca 2220
 ctccgacca gccacttca ccgcctggcc ttcgttgata ggctcacacc gctgcaaacy 2280
 agccttcgca tacaaggact ttctgcgcg cggtgctgtt atcgctttgg gaacagacgc 2340
 gccacagcg ccacactttc cctttcaaaa cctctaccat gcaacaacta gacgctctgc 2400
 tattgagcgg gaaagcctgc agcgctgaa cccggaattt agtttgacgc tgttacaggc 2460
 tgttgcaggt gcgacaaatg gggcggcata ttcgcggttt gcggaagggt ggacaggag 2520
 attagaagtg ggattgaacg cggattttgt tgttgttgac atgttctgga aagaagagaa 2580
 g 2581

<210> 20291

<211> 2583
<212> DNA
<213> Aspergillus nidulans

<400> 20291

cacgccgttc tccccagac gccgtgtcg ccgcggtcg cgcccgcaag gccgacatac 60
accacacgtg aatccggaat tgtcccatg tctcgacct cccaccctga taaccccggtg 120
ccggaagaac ctcgagtgcg ctccctgtcc gttacaaaca agagcttcgg cggctcttcg 180
gtctcttcac aagaaacaga gaacacagat tcagagtcac cgtcaacacc accacagaa 240
caatcagatg aagagtttgc ggagaaacaa cccaaggatg atgctggacg tcaacggcgg 300
gcttccactg ttctgatctc gcagggtccc gatgacatgc ggcggatctt agaaaatgtt 360
ggaacagggg ggacacagaa actccagccc atgtgctgtg gtggcggttg ctgccgtctt 420
caaccgctga accgagctcc cgggcctgtt tcggtgatca accccgtcac accaccagat 480
aacaaggcgt accagagtct aaagcttaac gtcgacctcc ttacgctcga cagcgagctc 540
accaacatcg ctctctgcc agagaagaag gtatcattct cggcagctcc accttctgct 600
gtgaatatga accttgggcc cgcggatcat ccacctcctt ttgtgcaacc tcacctccg 660
tacaatgtgt accgagcccc tgtttaccac gcacgagaac tcacgagcgc tggcgctgag 720
aagcggacat accatttcga tatagacgta actgattatc cgcccgagag tggaatggtc 780
gacttcgttg taggtggtgc catcggagtt tgcccgatga acaaggagga ggaagttgag 840
gatattttca accaacttgg tattcccaag tctattcggg acaagaaggt cactgtccgg 900
actaccacg gcagggtggc aacgatctgg ggtaaagagg aagcgcgcga gttgatcact 960
acccgacgcg agtcctgaa atggtgctcc gacattcaga gctatgcccc gaccaagggc 1020
ctcttcggc tgctcgccga gtatgccagc gaccgagcg aaaagaagat tcttttgttc 1080
ctcgcatcag ctcaaggcca aggcgccttc tgcgatctcc gcaccagttc acacatcacc 1140
gtctctcaac tgctccacgc attccctca tcacatcccc cgctcgacca cctcctatcc 1200
acctcaacc aactgatgcc acgattctac tctctttcgc aagacctct tatctccgc 1260
aaacgcaaag gtgatcagta ccgccgtcta gttgaaatcg ccgtcacagt cgccgaatca 1320
gaagactgga agggcggtag tagaacaggc gtgggctcgg gttttatgga acgtctcgca 1380
aggcaggccg tcgaagctca agcgaaggt cgtgaaccag gcgatctcga tctgcacgtt 1440

cccatgttcc ggggccttat ggccaaccct ctcgctaagc gctttgcttc agacggacct 1500
 atgctcctca tcggtgctgg tgttggaatc gcgcctttcc gcggtttgt ccagcgctgc 1560
 ttgcagtcag cgaactgcgc gaacaaagtc tgggtgttgc aggggggttcg cgattctctg 1620
 ctcgacgagc tttaccgcgg cgagtggggg gtcgaggagg acaaagtgcg caaggttgtg 1680
 cagagtcggc ggggcgagag caagtacgtc caggaagaag tccgcaatca agcagacctt 1740
 gtttggttcg tgatcaactc gctcgacggc cgagtcttcg tctgcggaag cggcaaaggt 1800
 atgggcgagg gcgttgaggc tgcactagtt gatgttgcca tggcaaaggg aaatctgaat 1860
 agggaagagg cggagctttt ctgggaaaat aagaaggagg cagggcaata tatagcggta 1920
 agtcgtcgaa ttatcctcgt gttgttaaaa aagactaacg aaaatcagga gacgtggtga 1980
 gacatatgta agatagactc ggactcgggt tcggactcgg agatactaga gcgatctgcg 2040
 tgacttatcc cgagttcctg gagaactcgg agaaaagagg cccttctact ttagcgctgt 2100
 tctttatcac tgctgtcgcg gtagatgggt gttaaaccag gatagggtata ttggattcaa 2160
 ctaggagtat gtatgattta taatcaagtt tatatcattc actaaagtta ccgattttgt 2220
 cctttacctt gtaatcgaca ttctgagtgg gatattatat aactgcgat actgccgcaa 2280
 atatagcaaa gttgacagcg ataattcgag atatactagt aaaggaaggg caatataatt 2340
 acgatatcct gtgatcagca tagccgggtgc ttactgtcc tgaggccctc catggtctat 2400
 caccacaaa ttggtctcag ctaaccttgc aattatctca tgttggtgag ctccgcctta 2460
 tatacaagac gaatcaggtc taactcagtt cgtcaagtg ccaccactcc aatgaggagc 2520
 attagttggc tagctataat cattcaaggg catctacctt ttgaaacaaa gcagcaactt 2580
 gga 2583

<210> 20292
 <211> 2584
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20292

atcgccggca gcctcatcac cctccgtccc ttattccgct ggttcctcga cgggagctcc 60
 tcgtacaaac accaacadac gccccaacag aagacgaaca agaagtacgt cctgtcaacg 120
 ttgactgcga acgcctccat gcctggcatc gaggacccaa aatactggcg acccgatctc 180

ggggaagatc cacacaccgt agtgacctca atcatggcgc cgctgggacg gagcatggat 240
 gacaatagca cgggtggctct gagccctata ctgccgccgc cgaggaagat ctcggtttgc 300
 gtgcaccaga cggtcgccgt gtataaagac ccgtcgagtc cggttgcttc gagctttggg 360
 tgcccaggcc agtgcagtcc agccccggtt ccagcatcaa ttcaatcagc aactccatca 420
 ttgattccaa ccccggtccc agcacaggca ccgcggttag ataatggacg gcggtataat 480
 aggggttatg gtgcgggcta tgcgggctat acgtacgagt tctgacgtca gcgtgatgct 540
 agccaggcct ttgtttatat aatcctcttc ttccctcttc atagccagga aaaaaattta 600
 ggtctatata gtacattcat tatgccttct catagctcta acacacaccg ctatcaccgg 660
 tatgctgacg tctcttctat accaaagcca aaataactga caaggcgtag agtgggcat 720
 tggatgccct cgggctatga cgatcaccac aagtggctcg gcggcggtat tgcccacgtt 780
 gacagtaaac aggacaagga attgcatcca gttctgaagg agtttcaaca tctaattgaa 840
 acaaacaccc gcgtctacat gctgatctcc gccatgttcg ccgaggtccc aaagaaccgc 900
 cactactgca aggatccgac aggtctgtca cagatccgag actatcatca catgctgcaa 960
 gtcttgaatc acctatcac gacggcgctt tcgtggaatg atttttctct cgaagtcggc 1020
 cttgtcgggc tgccgatcaa tgcggctctc gactggtcga tgggcacgcc gagcgggtac 1080
 gcggcttatc ttgatccga catcaacgcc atgttgaaga aggtcttgaa cgcctggggc 1140
 gagtacctga cctcagagga ctcgcccaag gttcttgggg atgacgaata cgggtgggtt 1200
 ggcgagacgg gcaagaacaa cctcatgcac gtcgccaacc tccctcttgg aacagaccac 1260
 gaattcgaca agctgtttgt ttgcgacctg tccgccaat accatgggta caagtcctgg 1320
 gacgacttct ttactcgtac gttccggccg ggagttcggc ctgtggcctc gcctgacgac 1380
 gacacggtca tcgttaacgc ctgcgagtc cagccgtaca aggttgcccg aggagtcaag 1440
 gcaagggata cgttctggat caaaggccag ccatattcgg tcgctgatat gctctcgac 1500
 gaccctgtca ctccgcagtt tgaagggggc actgtttatc aagcgttttt gagcgactc 1560
 agctatcatc ggtggcatgc acccgtcagc ggcaagatcg tcagagcgta tgtggctgat 1620
 gggacctact actctgagcc gctattcgag gggctatggg atgaagaaga gaacaagcca 1680
 aaggagcagg gaatcgacct aggcggcgaa gttacgacgc aggagtatct cacttgcgtc 1740
 gcgacacggg ccattatcct gatcgaatgc gataacccgg ccacgggct tatggcggtc 1800

cttgggggttg gaatgtgcga agtctcgacg tgcgatatca cagtcaagga aggcgagcac 1860
 gttagaaagg gcgatcagct ggggatgttc cacttcgggg ggctcgacgca ctgtcttctt 1920
 ttcaggaagg gcgttgatgt tgagggctctg ccgtcgccgg atctggggag gaatgttgct 1980
 gtcaatagcc agctaggagt tgtgaaggcc tagcgattgc ttatatagtt gtctgcatta 2040
 agagagcgaa tacagcatag actgcttaat ctgggaaatt ctttgctgta tcctagtagc 2100
 ttgctttatc tacgatcaga gcatgactgc tgtttgcgta ccagaccgct aatgatctga 2160
 ttgcataaaa ggataatgaa accgaagtag gcttggtgct ggcaaacgaa cactttgggg 2220
 agacagtga ataaaggcga ggagccggcc catatcagcg ttgaatcctt ggtaggatga 2280
 atgccgagac aggtggatga ggaacggtag atagctgatg agtctcgttg atatgcttgg 2340
 gagtgatctt caagtacctg taggactcaa tagcatggct tcttacctgc cagtcttatg 2400
 tgggtggaccc aacgtagtct atcttcctgc aacggtgagc aaccataacc agtactactg 2460
 agcgatctga tatactaagg ataatcctca ttcagtgtc tttctgaatg gaatgggaaa 2520
 acccgcttgt gtcgtcttct tttcctaccg acgtacttac tatatccatc cctacgaaag 2580
 agca 2584

<210> 20293
 <211> 2589
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20293

tgtcgggtcta cctagacgcc actatgcac ctctgcttaa agaggaagac tttaggcagg 60
 aaggatggcg tttgggacct gaggatcccc gtgcaatcca aactcaggag ggaaatctga 120
 agcctgaaga cattctgttt aagggtgttg tgtacaacga aatgaagggt cagatgtcag 180
 atgcgaacta cttatattgg attaggttcc aggaaagcat ctttccggcc atcaataact 240
 ccggaggaga cccccaacat atcacggatc tgacgcacaa gcaactcgtg gagttttcca 300
 agaagaacta caatcccagt aatgctaaga tcatcactta cggcgacatg cctttggccg 360
 atcatctgaa gcaggtcggg ggcgtcctaa acgacttttc gaaaggggct gtcgacacaa 420
 cgggtgaagtt gccattgag ctccgaggcc ccataaatgt gactgtcccg ggaccaatcg 480
 acactttcgt aagtgaagac agacaattca aaacatccac ttcttggtac atgggogata 540

tcacggatac tgtcgagacc ttttcggccg gcatcctctc gtcccttttg ttagatgggt 600
 atgggtctcc catgtacaaa gctctgattg aaagtggctt gggctcctcg ttcactocta 660
 acacgggact cgacacttct ggtaaaatcc ctattttttc gattggagtt acaggtgtga 720
 gcgaggagca agctcctcgg gtcaaagaag agattcagcg agtccttcag gaaactcttc 780
 agaggggctt caacgatgaa aagggtccaag gatttctcca ccagctggag cttgctctgc 840
 gtcataagac agcgaacttt ggctcgggtg ttattcagaa aaccttcacc tcttgggtca 900
 acgggtccga tcctatgaag gagcttgcatt ggaacgaggt tatcaatgcc ttcaaaagta 960
 ggtacgaaaa aggaggctac ttagaggcgt tgatgcaaaa gtacctcatc aacgataact 1020
 gcctgacttt tacgatgggtt ggtaccctt catttaacaa ggaattggat gataaggaaa 1080
 tggcgcgaa ggagaaaaag tttgagcaat taactcagca acatgggttct gttgagaagg 1140
 ctgtgactga gcttgctaaa gcagagctgc agctgcttga agttcaggaa aaggcccagc 1200
 atgctgacct gagctgtttg ccgtctttgc gtgtggagga tatttcacgg cagaaagagc 1260
 acaagccagt ccgcgaatct aagggtcgaag gcacagatat tgtttggcgc gaactccaac 1320
 caatggactg acctattttc aagctgtgaa tgccttcgcc gatcttcttg atgatctccg 1380
 cctgctcctg ccacttttca acgatgcaat catgcggctt ggaacaccaa ctaggaccat 1440
 ggagcagtgg gaagacctga taaaactcaa aacgggtgggt gtctcgacct cgaatttcca 1500
 tactacatcg ccaacagaga tgggcaaata cactgagga cttcaatttt ctggtttcgc 1560
 tctggacaaa aatgtccccg acatgttgga aattctcaca gctctcgta ctgagacaga 1620
 cttcaccagc ctttctgctc cggccatgat ccaggagctt ttgcggctga ctaccaacgg 1680
 ggcattggat gctgttgag gaactgggtc ccgatacgt ctaaacgcag ctgctgccgg 1740
 tctttctcgt agcttctggg cacaagagca gacctcaggt ctagcacagc tgcaagctac 1800
 ggcaaatctc ctgcgtgatg ccgaaacttc tccagaacgc ctagccgagc tgatcgaaaa 1860
 gcttcgtctc attcaatcat tcgctatctc gaagacatct ggtcttcgtg ttgcctcgt 1920
 ctgcgaaccg gccagctcga ccagaatga atctgttctg caaagggtggg ttactggact 1980
 gcctaaggct ccgtcgcca cgtcccaacc tcaaagggtt gacttgagca caccttccaa 2040
 gaaggcgctt tatgatctac cttacaaggt ttactattct ggtctggctt tgccctaccg 2100
 gccatttaca cactcatcca gcgcgactct gagcgtcctt tctcagcttc tgacgcacaa 2160

ttacctccat cctgagatca gagagaaagg tggcgcttat ggtgcaggag caagcaacgg 2220
 tccggtcaag ggattattcg cattcaccag ctaccgcgac cccaaccctg ccaacaccct 2280
 caaggtcttc aagaacagtg ggggtcttcgc gcgtgaccgg gcttggtcag accgtgaaat 2340
 caacgaggct aagcttggtta tcttccaagg actcgatgcc cccgttagcg ttgatgagga 2400
 aggatctaga tacttctctga atggtatcac gcatgagatg gaccagcgct ggagagaaca 2460
 ggtcctagac gtcaccgcca aggacgtcaa cgaggttgcg cagaccttcc tggtagatgg 2520
 caccggcgcg tctgtctgtc tctcgggtga gaagaaggac tgggccgaat ctgagggctg 2580
 ggaggtccg 2589

<210> 20294
 <211> 2602
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20294

cgggccttta cacaggaaga tttagagaag cgcgtcatcc tccatctata gaacagaaag 60
 tgcagaaaaa agaaggtctc atcaagatgg gagctacaga agagaatcaa aatgtgtttg 120
 cctcagcggc cggcgaggaa atggccttgg aacatctggg ctacaaacag ggtacgatta 180
 ttgacaagac gattttttga gtgaggctga tgagacagag cttcgacggg cctttagaat 240
 ggtagacatg attgggttca gcttcagtat cgtcacttgg taagttgtcg tgaggatcct 300
 agatcagtac acaagctgac ctttcaatca tcagctggac agcccttagc ggagtcttca 360
 tcatcggggg caaagccggc ggacccctcg tcatggtatt tggctggatt ggcgtctgcg 420
 tcgtcacctt gaccgtcgcc ttgtccatgg ccgagatgtg ctcgcggtgg cccgtcgctg 480
 gaggccagta ctctggggtt gccctcctcg caccttcaa agtctcccgt cagctctcct 540
 acatcacagg ctatggttta tgcttaccgg catcttggct atgggcgccc tcaacaactc 600
 cgtcgcatcc aacttcatcc ttgggcaagc gaacctggtc ttcccagct tcaccattga 660
 gcgctggcaa accgtcctcg tcacgtacgc cgtggctttc agcgtctctc tcgtcaatat 720
 cttcgacccc catctcctca atcggtatc gcgcatgac ctgatctgga acatctgctc 780
 cttcatcgtc atcactatta cctcctagc tactaacagg cataagctgt cggcctcttt 840
 tgtttttcag gactttcaga atttcaccgg cttcgccag gcaatggcca ccattatcgg 900

tattctgcaa agcctttttg gtatgtgctg ctacgacgca ccaagccata tgactgagga 960
aatgacacat ccatcacgag acgccccgaa ggccatgatt atgtcagtgg gactcgggtgc 1020
cgttactggc ttctgttctt tactcacatt gtgcttttgc attggcgatg ttgaaacaac 1080
tgcggcgtct accaccggtg ttcccgatcat ccagctacga ttcaacgact agcagagttg 1140
gagcttgctt tatggcaagt atgatgacac taatagtcct catttgctca gttagtttga 1200
ttgctgagga gtcaagatcc cttttgcctt tcgctagaga ccgtgggtctt cttttttcca 1260
ctactctgtc caaagtaacc ggcaaatgac acatccctct gacgctatca ttgcaacgac 1320
actagtgcag atggccttca actccatcta cttcggcacg gtaacaggct ttaataccat 1380
catctctata gccaccaccg gattctgtaa gtcacatccc attgacggta ctaaacgcag 1440
aatacccccg tactaattcg cattctttca aagacatata ctacgccctt cccctcttgg 1500
cccgctgct cggctacgta acctcgaca aaatctctc aacgcacttc aaaggcccct 1560
tctcgtgtc tctcccgctg tcattatccc taaacgcact aggtctctc tctctctct 1620
ttgcgtttgt cacttttaat ttcccatctg aggcgcgggt ggatgacgaa aatatgaact 1680
acactagtgc agcgattggc gttattgctg tggttggtgt ggtaacgtgg gtcacgacag 1740
cgagtaagat gtttacgggg ccggttgaag tgaatggggg gagtgaattt acgatttctg 1800
agttaaaggg tggaaactgaa ggccggcatt ctgggcattg ctttgccttg aacagcgata 1860
aagcgaaggc tgaaccagggt gtgaggtagt tttgctattc ggtatttgag ggggtttgta 1920
gtttcccata taagtggatt tgctcgacac ccaggaattg taattatata atgactgtta 1980
tagagtgata accaacaacg ccagtagtaa tattatatta catgcgttcg atagtggggc 2040
gcttctagtg agtgcgcacc actatcttaa tcaatatata tatatgtgaa tcgtgtaagt 2100
cgcagctcgc tcttaggcag gtgtcctgta cactcagggt cgtatgtggg aaagctcaat 2160
ataagctgct agttcccgat tgatatattt gacacagctc tagccctatg aatcaactct 2220
ccggcagcaa ccaagcagga tcaggttcgt catcttcagt ctccgagttg gcatcgccgg 2280
gagaatggct gttcatatct tgcaacaggc cagctggagg ctccgggatta tccactccaa 2340
gaggatcgcc atgtgaatcg ccgtctgagc tcttgcgcgg ctttccaggg tctccgtagg 2400
cggtaggcgg attaacatcg tctgtattgt cgaatatgct caagagcatc actcgagcct 2460
cgtgaagtgc ttcaaattct gccgaaatgc agcaaacaag gagcttccaa tctttgtttg 2520

cgcatgaccc aggttttctg ctacgagatc tgtcgtctgt tccaggtctt ccataatggc 2580
 ctggaccaag ttacctttgt tg 2602

<210> 20295
 <211> 2616
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20295

cacgcacagc ccagcgaatc gcctggacct ggcttaaaga ctccgatacc acatcttctg 60
 cgagggaccc tgcgagagta tcagcatctt ggcttagact ggctagcggg tctttattcg 120
 aatcatatca acggcattct cgcggatgag atgggtctgg gaaagactat tcaaaccatt 180
 gccctgcttg ctacactggc agtagaacat ggagtttggg gtccgcatct tgtcgtgggt 240
 cccaccagtg tcattcttaa ctgggaaatg gagttcaaaa aatgggtgcc ggggttcaaa 300
 atcatgacgt actatggcaa ccaagaagaa cgccggcaaa aacgcagggg ttggatggat 360
 gacaacagtt ggaacgttct gatcacatca taccaattag tcctacaaga tcagcaggtt 420
 ctcaagcgaa gaagttggca ttacatgatt cttgacgagg cgcacaacat caagaacttt 480
 cgtcccaga gatggcaagc tctgctcacg tttcgacca gagcgcgact cttgcttact 540
 ggaaccccc ttcaaaataa tcttaccgag ctgtggtccc ttctcttctt tttgatgcca 600
 accgatggtg acgaggctgg tattgaaggc tttgccgact tgaggaactt ctgagaatgg 660
 tttcggcgtc ccgtagagca gatcttggag catggccggg aaacaatgga cgacgaggcg 720
 aaacaagtag tgacaaagtt gcatactgtc ctgcgaccgt atattttgog tegtctaaaa 780
 gctgacgtcg agaaacaaat gcccggaag tacgagcatg tegtgtattg cagactatca 840
 aagcgacaaa gatacttgta cgatggcttc atgtctaggg cacagaccaa ggagacgctt 900
 gcatccggga actatctgtc gatcatcaac tgcttgatgc agctacgcaa agtctgtaat 960
 caccgcatc ttttcgagac acggccgac tcaacctcat ttgcgatgcc acgttccgtc 1020
 gcaacggagt ttgagacaag cgaagcccta gttcggcggc gtctgcttta ccaacatccc 1080
 ttggaaaagc tcgatttgga tttcctcaac ctgggtgcca tctcaaggga ggacatatcg 1140
 cgaaggctgg cggatgatag cgccaggatt atggcttatg ctccctttaa cactctccgc 1200
 gagcgtcagt accaccggac aaactgggag atgaaattta atggatcaac cgtacagtct 1260

acattggagg cattggagaa cgactgcagg aagaggagaa tggccgaact ggaaagatct 1320
 ctgtattttg agtccaagcg ccatggtcgg cgtcccgtgt atggaagcag ccttattgag 1380
 ttcccttacgg cagacagcaa acagcggccg actgcccattg gtcccttacg gaaacgctcg 1440
 tacgcggtatt ggttatccag ccaatcctct gtattggcct cgatgatgat gtctctggag 1500
 gaaagatctc aagcgatgga tggatatatc caacgctttg cctgcgttac tccggcagcg 1560
 gttgctgcag gggttacaga agccgctttg acacccatct caacgcgaca ccttacgaac 1620
 aaggagagat ttccgccaca tgatcccttc cacgaggctc agatgcgcct atctatcgct 1680
 ttcccagaca aaaggcttct gcagtatgac tgtgaaaaac tacagagact ggacaagctg 1740
 ctacgcgac tttaaagccgg cggtcaccga gcgttgattt ttactcagat gactaaaatg 1800
 ctagacgtgc tagagcagtt ccttaacatc cacgggcacc gttatcttcg tctggatggg 1860
 acgaccaaag ttgagcagcg gcagatcctc acggatcggt tcaataatga caatcgcatc 1920
 ctggcattca tctgtccag tcgttctgga ggtctaggta tcaacttgac aggcgcccgc 1980
 acggtgatat tctatgactt agactggaat ccagctatgg acaaacagtg ccaggaccgc 2040
 tgccatcgta ttgggcaaac ccgcgacgtg cacatctatc gttcgtctc agagtacaca 2100
 atcgaatcca acatcctccg caaggcgaac caaaagcgca tgctggacga cgttgctatc 2160
 caagaaggcg agttcacaac tgattatttc acgaagctcg acgtgcgcga tatgattggc 2220
 aatgacgagg ctcttaaaga cgaggccagt gctgccatgg accgcgtcct cgagaaccga 2280
 gtcaccaaca cttcgcgcgt attcgagcag gccgaggaca aagaagatat cgacgccgct 2340
 aagaacgcgc agaaagaact cgaacacgct gatgacggcg atttcgatga tctgccaat 2400
 gctaatacca gcggcgctac cgctgcctcg gttctgcct ccggcgccgg ccagactcca 2460
 acgcaagcag gcacaccct accagacgag gcgcagcagt ccctaaacgc aaacaatgcc 2520
 gaggtcgccg aagacacagc ggactctgat ccgtccgttg gccatatcga cgactacctg 2580
 ctgaggttca tggaatggaa tatgaaagac gagccg 2616

<210> 20296
 <211> 2654
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20296

tccccgagtc cattactcag cctgaaattc tccaagagat cagccaggcc aacaatgacc 60
 cctcagtaca cggcatacctc gtccagttac cccttcccca gcacctttcc gagcatgcgg 120
 tcacctccgc tgtagccgac gagaaggatg tcgatggttt cggagcgatt aatattggag 180
 agctcgccaa gcgtgggtgt cgcccgcttt ttgttccttg cacaccgaag gccgtaatgg 240
 tcctttctcaa ggccagtgggt gtcgaccag cgggcaaaga ggcagttgtc cttggccgca 300
 gcgacattgt tggaagccct gttagctacc ttctcaagaa tgcagacgcg accgtcactg 360
 tgtgccattc gaagaccccc gatattgcta gcgctgtaaa aaaggcggat attgttgtcg 420
 cggcgattgg taagacagag ttcgtcaagg gcgactggat caagccaggc gccgtcgta 480
 tcgacgttgg tatcaactac aagcctgatt ccacgaagaa gtcaggacag cgtttgtcg 540
 gtgacgtcga gtacgagtcg gcctcccaag tgggttcaaa gatcacgcct gtccccggcg 600
 gtgttggggc catgacagta gctatgcttc tggagaatgt tgttgcttcg gccaaagcat 660
 actttgagaa acagaaggag cgacatatca ccccgctccc gctcaagctg gccaccccg 720
 ttccctcaga catcgccatc tcccgtcgc agtacctaag gcctattact caagtcgcgt 780
 ccgagatcgg tatcgcatct cacgaacttg agccgtacgg tcatactaag gccaaagtga 840
 gccttgaagt acttaatcgt ttgagccacc gccgtaatgg ccgctacatc ctggctctgtg 900
 gtatcactcc cactcctcta ggagagggca agtcgacaac tacgttgggt ctcagccagg 960
 ccctaggtgc acacttgaac cgtgtcgtt ttgccaacgt ccgccagccg agccagggtc 1020
 ctacgttcgg tatcaaaggt ggagccgccg gtggaggcta cagtcaggtc attcccatgg 1080
 atgagttcaa tctgcatttg actggtgata ttcacgccat cactgccgct aacaacctcc 1140
 ttgccgtgc aatcgagaca cgtatgttcc acgaggctac ccagaaggac gccgcgctgt 1200
 acaagcgtct cgtcccagag aagaagggca agcgcgagtt caagcctatc atgttcaagc 1260
 ggctaaagaa gctgggaatc aacaagaccg accccaacga gcttactgaa gaagaaatca 1320
 atcggtttgc ccgcttgac attgacctt cgaccatcac ttggcgccgt gttctggacg 1380
 tcaacgatcg acaccttcgc ggaatcaccg ttggacaggc gccaacggag aaggactaac 1440
 acgtgaaact gggttgacat ctcggttgcc agtgaatgta tggcaattct ggccctgagc 1500
 agtgatctcg cagatatgcg ggagagactt ggtcgtatgg ttgttgctac ctgaaaacgg 1560
 ggagagccgg tcacttgcga cgatatcggt gctgggggac ggcttgcggc gctgatgaag 1620

gacgcgatca agcccaactt gatgcagagt ttggaaggta cgcctgttct agttcacgcc 1680
 ggtecccttcg ccaacatcag tatcggagcc agttcgggtcc ttgcggaccg ggtagcactg 1740
 aagctggcgg gtaccgagcc cgaggaggac catgaagcca agactggttt cgttggttaca 1800
 gaggtcgggt tcgacttcac catgggcgga gagcgcttct tcaacattaa gtgtcggtcg 1860
 tctgggtcttt ctctgacac ttagtcatt gttgctactg tgcgtgccct gaaagttcac 1920
 ggtgggtggc ctgagatcag ccctggagct ccactacacg aggtctaccg cacagagaac 1980
 accgagattc tccgcaaggg ctgtgttaac cttaagaaac acattgaaaa tgcccggcag 2040
 tacggagtcc ccgtcgtggg agctatcaac cgcttcgaga ccgacaccga ggccggagatc 2100
 gctatcattc gcgaggaggc catctcggcg ggtgcggagg acgcagtctc cgccaaccac 2160
 tgggccgagg gcggagccgg cgccgtcgac ctggccaagg ctgtcatcat tgctagctcc 2220
 aagccaaagg actttaagct gctctacgat ctcaacggca gtatccagga gcgcattgag 2280
 cggatcggta aggccatgta cgggtcggag aagggtggagt tcagcgaact cgctcagaag 2340
 aaggtcgaca catacactgc ccaaggcttc tctaacctcc cgatctgtat cgccaaaaca 2400
 cagtactctc tcagtcacga cccagcgct gaaggcgct ccgactgggt gtaccgttcc 2460
 catccgcgat gtacgattgg ctgtgggcgg tggatacctg taagtctgt ccctaagttt 2520
 tgtcacatag tttcgactca ccgatcatta ctaggtacgc gctcgcagcg gacatccaga 2580
 cgatccccgg gctgccgacc gctcctgggt acctgaacgt ggacattgac cccgagaccg 2640
 gggagatcga cggg 2654

<210> 20297
 <211> 2663
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20297

ccggggacga gtctggactg atgctattgc atcagagttt tggcacccca gtcaccaggt 60
 gagactacgg agtcctgaag ccagaaacac gccaccggtc ccgaatttgc tgatgtccgc 120
 ctgctccgca ccccaaacg gtaattctcc gcctctccgc ctatctgggt tccccgtgct 180
 agtctggacg atctagccga ggaatggaag gtgggtcagg gctaggtcga gagacgcgta 240
 ggcaaaaaca ggggtgaagga aactctggaa acccgatccg atcccactcc acatagtatg 300

agggacgagc ttagaatagt tgctgtgtat gtgtatctga attggaccat aggtgcctgg 360
 atatgtctat catcccatga tccctataca tcgtgatata tgtcaataaa cgcctaaccg 420
 ccactttatt cccgcaaacg ggcaaatgta aaggagtacc gggattccgt acgtataatc 480
 ggaggccaat atacggtaca gatggccgac ccgactctgg gcacccctgg tccggggcaa 540
 gggctggctg ggacggcgcc ggactgagac tttggttgac agctcgactg ctgcagtctt 600
 ttcctatctt ctttctccat tattctccat tctccgatg atggccctcg aaccccagac 660
 cctctcagag gatcatctgc ccgtgacagt ttgagtctag cctcctgaca ggtgccgccc 720
 atatggtatt aaaagtccca gacacagcca aattgtctca gaatttctat tcagagaacc 780
 gtctcatctc ctgattcttc tcaatcatca ccgtcttctt cgtctctgtc aattccttcg 840
 tttttttctc ttcttgttta tcccatccag gtctttgtga tgaagggtga aaagaagacg 900
 gccgaggggtg tcgctgcccc ggccctcgga caggttgtga gtcccaagcc agccgttatg 960
 tcgatcctgg tcatagaggg tccgctaata agttaatcct tgcggtaaca ggagaatacg 1020
 acagttcata cggtgaccgg cagcgaagcg ttcaatcagg cccttatcca ggaaaaacca 1080
 cacctctga gtccaaccaa cctgctgctg tgcgcctgtt tgatggtcgg attctgctgc 1140
 cagacaatga acggctacga cggctccctg ttcagtggat tgctcgccaa taccatcttc 1200
 ctcgatcact tcaacggctg agacgctggc atctgggccc gtctggtttc tgccatgtac 1260
 cagatcgggc gcgtcagtgc gcttccgttc gttggtcggc ccacgcacac ctggggccgt 1320
 cggtttgga tgttcctggg cagtttcatg atcgttcttg gagcggtcgt gtccgggacc 1380
 acgatcgca atgcaagtgt gggccaattc atgggcggcc gcttcttgct tgggtttggc 1440
 gtctctatcg ccgctgccgc tgggcctatt tatgtcgttg aaaccacaca tccagcgtgg 1500
 cgtggtatgg tgactggcta ttgcaacacc ttctggttca tcgggtctat ccttgcgctc 1560
 ggcgctgtcc ggggttctat cacccttgac aataaccagt cctggctgat cccgctctgg 1620
 ttgcagctag tcttctcagg tatcatcatc tgtacttgct ggatgatccc tgagtcgccg 1680
 cggtggtgt atgtccacgg caagcaagag aaggccgtcg aggttctgac taaatggcac 1740
 ggccttgga accgcgattc tctctgggtc aaattgcaga tttctgagta cgacgctcac 1800
 ttgaacatgg acggttcggt aagtgtccaa agactggacc tcgcctgatc gggccggcta 1860
 acacaagctc gacttatagg acaagaaatt ctgggactac cgcagcttat tcaaccgccc 1920

gagcagtatc taccgtctct gctgcaactg cttctttgcc atattcgccc aatgggctgg 1980
aaatggcgtg ctgacctact atctagtacc cgccctccgc ggccgaggct tcacatccga 2040
cgtcaccag gcaaatatca accttgggta cgctgcttc caattcttct gggcccttgt 2100
cgggtgctgcc tttgttgact cgctcgccg tgcctctatg atgctcttgg gtatggctgg 2160
gtgctgtgtt gtttggattg ccattctatc tgcgtccagt caggtaaata actcggacgg 2220
cacactcaac agcgccgcat ccaacgctac tctcggttt atattcattt ttggcgtgc 2280
cttctccttc ttcattaccc cctgcaggc cttatacccc gttgaggtcc tatcatatga 2340
aatgcgtgcc aagggcatgg ctttctctc gcttgcggtc aacgcagcag gactgctcaa 2400
ccagtccga tggccggtgt ccttggacaa cattggatgg aaaacttaca ttgtgttcgt 2460
cgtctgggac gccatccaga cagtgatcat gtacttcttc ttcctgaga caaaggatcg 2520
cacggttaagt cttgttattt ctgctctctt tccgtccgtc tacaatgtca gcttactaac 2580
gtgctataca gctggaagaa ctgatcaga ttttcgaggc tcgcaatcct gtgaaggctt 2640
cgactaggaa gacagctatt gcg 2663

<210> 20298
<211> 2683
<212> DNA
<213> *Aspergillus nidulans*

<400> 20298

gtccgccctc ggaagctcct gatgattgcc gtcggtatgt ttcccgatatt ccttgttctg 60
tgggatcttt gattaatcca acgattctat cgcagatggt gttgcccccc gcgcaaagat 120
gaaccaacag cgagcacgtc gattcaggtc cgctcaagaa gctagagAAC aagacgagaa 180
gaaacaggag ttccagagaa tgcttgcgaa acagaacggg gacaaagaac aaatgctcca 240
ggaagaagtc atccagaaga catgggacag caacgttatc actcccgga caccgttcat 300
ggacatcctt gcagcgtccc tgcggtactg gatagcttac aagctcaaca ctgatcctgc 360
ctgggaaaag gttagttttc tgtcagtatt tgagtgttga gggtctcatc gaaatagttg 420
aaaatcatca tctccgatgc cacagtgcgc ggtgaagggtg aacataagat catggaattc 480
atccgctcgc agcgcgcttc gcctgaacat gacccaaatg ctcgatcatgt tatttacgga 540
ttggtatgtc cctccagcc taaattcaaa catgagctga tgtaagatca tgataggacg 600

cagacttaat tatgttaggt ctggctactc acgagcccca ctttagagtg ttgcgagagg 660
atgtgttctt ccaggaatcc aaacagcgga catgtcatct ctgcggtcag cctggccata 720
aagcggagga gtgcagaggt caagccaaag agaagaacgg agagttcgac gaaaaaggaa 780
aagggtgcaac actcaagccg tttatctggg gccatgtttc aatccttcga gaatatcttg 840
cggcggaact ttacgtcccc caccaaccgt tcccgtttga tcttgagagg gcgctagatg 900
actgggtttt catgtgtttt tttgtaggaa acgatttcct cccgcacttg ccgtcttttg 960
acattcgtga ggatgggtatc gacactttga ttgcaatctg gcgtgataac atccccctaa 1020
tgggtggata tctgactcag gatgggcgcg tggacctaaa gaaagctcag cttattctcc 1080
aaggtctcgc taagcaagaa gatgctatct ttcgccgtcg taggcaggca gaagagagga 1140
agcttgccaa cgagaagaga cgcaagcaag aagaaaaggc acgcaatgag gagcgcgcca 1200
ggaaaagaag gcgaagctct ccctcttacg atgcgattga atcaccact catgctaagc 1260
cgcgagtgct tgggtgcagct gcagcgccgc cagctggcct tgagctgatc acccctgcca 1320
gaggtgaact ggcccgctcag acccgagagc tgactcatag tatggtggtc aatcgcgga 1380
acgtctatcg ggccaatatg gctaacaaga gcgcggccgc tgtcttgaaa agcaaaactac 1440
tgaggaggga ggatggccag ccctctgacg atggagagtc aaccgctgag tcggacgcac 1500
aacttgacgc tgcaggacct gttctcggca aacgaaaggc agatgaggca gaggtcggac 1560
agctcggtac ttagatacca gacaagccgg aaccgcgaa ggcggatgag ctgccgccag 1620
acacagtccg tctgtgggaa gaaggatacg cagaccgata ttatgaacaa aagtttggcg 1680
ttgaccaca ggacaaggag ttccgtcaca aggttgcgag ggcgtacgcc gaaggcctcg 1740
cttgggttct gttatattat ttccaagggt gcccgctctg gacttggtac taccgtacc 1800
attacgcgcc ttctgctgca gactttgtgg atattggtga catggagtta tcgtttgaga 1860
aaggtactcc atttaagcct tacgagcagc ttatggggcg ttctccctgc gtcctcgaat 1920
catgctatac caaagggtgt ccactcatta atgaccgagc ccgatagcga gattatcgac 1980
ttctaccccg aggatttccc ggtcgacctg aacggcaaga agtttgctg gcaagggtgtg 2040
gtcttgctgc cttcattga cgaaaagcga cttctggctg ccatgtccaa gaaatatccc 2100
cttttaactg aggatgaaaa agctcgcaac accgtgggtc gggatgtgct gctattatca 2160
gaaagccacc cgctttatca agatctcgtc tcaaatttct actctaagaa gcaaggcgct 2220

ccaaagtaca aactcaacat gcgggtgagc gatggacttg caggcaaggt tgaaaagaac 2280
 gaggcgtaca ttccgcacag ctccctcgtg tcatctctgg aggagtatgg tatgccatca 2340
 ttggaggatg accgttcgat aatgtaagtt gcttctcttg gtgattgttg cactggcta 2400
 acgtgactta gggtaatta cgagataccg aaatccacca acattcataa gtccatgctt 2460
 ctacggggag tgaaattcgg tcctccagcc ttggacaatg cagatatcca ggctactaaa 2520
 tctagagccc agcactccgg acgctcgtac ggcgagcgc ctttccgtgg cggacgagga 2580
 ggacgtatga attatgccgg tgacagacaa agccatggca acgatagacc aaaccggtt 2640
 gcggcacacc ttgatcccaa gtttatgcct ggagccaacc ccg 2683

<210> 20299
 <211> 2688
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20299

gcttgcgcta atcaaaaccg acgaaaaacg cttctacctt ttcttcaacg agtttcgtct 60
 cgagacgcat gtaggagag agcaggatga gtcgataaat gaccggaatg accgagctgt 120
 gaggaccgtc gcaaaatggg acatggatca tttgcgcgca gttacaaaaa gcaagaagga 180
 gaagtccatt ccggtatttg tggttataac tgatgataaa gagaacttgc gcaaggccaa 240
 agaggaaagt gtgacggcct tgctcgttaga gaactacgtt agtggattgg aagatgcgga 300
 caggttgctc gacatgatca atgagtctcg ggaagcgagg gaggcgaaag aagcccgcgg 360
 agaactctac tatccagagt actattctat gtcgaagatc atgacaggat tacgggccgg 420
 aaatcttcac caaggcgttt tcaatgtctc gccatataat tatctagagg gacaagtcaa 480
 agtcgcggca tttgataaac cacttatcat tatgggccgt cataacagta accgagccat 540
 atctggagat gtcgtcgtgg ttgaaatctt acccaaagat cagtggaagt cgcttcaac 600
 aaagatcgtc gacgaagaag ccgtgacaaa gaatgataat cctgagggcg aggacaacga 660
 aactgtcatc actgagaagg agcggagagc ttacaagaa gaggttaggc aagcgcattg 720
 aaagaaccac gaggggcggc cgcaaccgac ggcaaggtt gtggcgctcg tgaaacggaa 780
 ttggcgccaa tacgtcgga cgttgatcc aacatccacc ggctctcaaa cactggccg 840
 acgacagcac gttgttttcg tcctcccgat ggaaaagaag gtccccaaga tccgggttcg 900

aacacgacag gctacggaac tgtaggtca aaggatcctg gtcaccatcg atgcttggaa 960
 ccgcgactct cgatacccta ccggacactt catccggtca ctgggcgaat tagagacgaa 1020
 gctcgtgag acggaggctt tgtagtaga atgggacgta caatacaagc ccttcccgaa 1080
 ggctgtgttg gagtgtcttc cccctgaagg acacgattgg cgtgtccggc aagcaaagat 1140
 gatattggct ggcgaggggc aagggatcta cgggatcttc ttatctgtag tattgatcct 1200
 ccaggttgtc aggatatcga cgatgctctt caccgcgga agttgccgaa cggcaacttc 1260
 gaagtcggtg ttcacatcgc agatgtctct catttcgtga agcccaataa tgctatggac 1320
 cttgaggcta gcgttcgtgg aacaacagtt tacctagtgg acaagcgtat tgatatgctt 1380
 cccaccttc tgggcacaga tctctgttcc cttaagccat atgtggagcg ttatgccttc 1440
 tcagtactgt gggaaatgac gccagacgca gaggttgtgt ctgccgactt caccgaaatct 1500
 gtgattcgat cgcgtgaagc cttcagttat gaacaagccc agctacgtat cgatgacca 1560
 tcgaagacag atgagctgac agaaagcatg cgtaccctac ttcattcttc taaaatcctg 1620
 cgccagaagc gcatggatgc cgggtgactg aacttagcat caccagaggt ccgcatcgaa 1680
 gcagacaacg acgaggtcgg cgacccttg gcggacgtta agacaaaagc gatgcttgca 1740
 acaaacagtc tcgttgaaga atttatgctc caccgcaaca tcaccgtcgc ggctaaaatc 1800
 tacagcacct tcccgaaac cgccatgctc cgacgacatg cgacaccccc gcccaaaac 1860
 ttgaagaac tgatcaacca actaccaag aagcgcgaca tgcgccttga cgtctccagc 1920
 tctcgcgcc tcgccgactc gctcgaccgc tgcacagacg ctgaaaaccc gttcttcaac 1980
 accctcgtcc gcattcttgc caccgctgc atgacttccg cagagtattt ctgcgccggc 2040
 gcgcacgcgg agtctgaatt ccgtcactat ggctcgcct caccattta cacacacttc 2100
 acgtccccga tccgccggtc cgccgatctc cttgtgcacc gtcaactcgc agcggcaatc 2160
 aattacgagg gcgaagacgg ccgcgccacg atcgagggt ccattacgcg taaccgcctc 2220
 gaggatatct gccgcaacat caactaccgt caccgcaacg cacagcacgc cggccgcgcc 2280
 agcatcgagt actatgttgg tcaagctctc aaagcacgta gcgagaagct cgccacaaac 2340
 ggcgtagaca tcggcatcga agaggacgga tacgtcatgc gcgtcttga aaacggtgtt 2400
 gtggtctttg tgctcgatt tggattgag ggcgtagtca gacttgagga ttctgtctg 2460
 cctagtgatg aggcgctgcg gtctgttgag gataggagg agcttggtac caggcgcgag 2520

agtgagtttg atccagagga atataccctt aaggtctcga ataaggggca ccaagaacgg 2580
 tcggtggccg tggagctttt ccagaggggtt aaagttaaca ttagctctgt gaaggaggag 2640
 actggacggg gtgttgggaa gaggaggggtg aggatattga ttctgaat 2688

<210> 20300
 <211> 2702
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20300

cggcctggtc gctgactcgg aagtctgtca cggaagtgat accagtgcgc gaggcgagga 60
 acgagccttc ggccatagtc aaggcgcttc gcacttcatt cgctcgggc atcgacagaa 120
 gccagatggg ctgtccatga gacccaatga catcgatgga ggagatatcc accttgtagt 180
 ctgcacagaa ctgcttgacc gcggcggcga atgtctctcc taggatgaca ttgacctcag 240
 atagctctga gggcgaagtc ttgttgtgca ggatgatgtt catcacccgc ttcttgatcg 300
 tctgtctcaag cgggatttct ccatactgcg cgcgtgagtg tcttttcacg tagagtatac 360
 tagcattgta cataccttga gcagctcaaa gtgcatggga gactctggag tctcctgccg 420
 gaagcgacac agagcacagt cgatgccatc ctgtccaagt tagggttgcc gcgcactctt 480
 taaagagcag aacaaactca ccacgaggt gccgctgttc aagcccagca ccgtgatgtc 540
 gagagcatgg tttttgggag tttcgttggc cattgcgaat gcgatgggag tctgcggctg 600
 tatgatgtgc cgagcataat cggacagctg gaacggctca atcatatatac ggaggcagac 660
 tcgggcgcct tatcggaac acgcttgaat cgaggagccg gcgctgggccc cagaacgccg 720
 gaacaggagc cgatcagctc tgttggatgt gtaaatgggt aaacgcctaa atggctaaat 780
 tcttccaagg attactgggt gggcaggggg agtgctccac caatgcggaa cagaatcctc 840
 agtttctgca ccacacttct ggagttcggg cgtttctgtg gaggcggagc acttatgggc 900
 tagtaattgc ctcatgaacg cttccccggg ttttatagag tgcaacaacc ccgggctttg 960
 gcctgtcttt tttcccaaact cttcttcttt ggtggtcaac catcatggca tacaccacgc 1020
 tctggaggcg cttgtcgctt cgccagctca atgtcgccgt ccaggtcttc tcgctcatct 1080
 gcactttctt cgagggttac gaccaaggtg ttatgggcgg cgtaaacgcc gcgccgtact 1140
 atgtcaccga agtcggaatc ggcaagccgg atggcactgt gactgacact acccatcaag 1200

gaggcattgt cagtatctac taccttggct gtatctttgg ctgtttcgct ggaggctggc 1260
tggetgatcg cattgggcgt atcaatggac tgtttatcgg tgccgtcttc gcggtcattg 1320
gaggtgctct ccaggcagcg attcaaagct, cagatttcat gctcgtcgcc agagtcgtga 1380
cgggcgttgg cactggaggt acgtatctca tctctcccta cgcactgcta gttatgggcc 1440
tgtgctgac gaacagcgct gactggcatt acgccggttc tggatcaga aacctcgtct 1500
gccgaccacc gtggcggatt cttgggctat gttttcattg ccaactgtat gttcctcgcc 1560
tgaatttccc cttgtttctg acgcaccgca tactgatcct gcagacctgg gaatctcgg 1620
tgcgtactgg ctatcgttgc gcttggcctt catcaataac ggatactctg atatcaggtg 1680
gcggttccctg cttgccttcc agtgcgttcc agcgatcttg ctggctcttct tcatcaagat 1740
gctccctgat tctccgcat actatgcctc tgttggctgt aatgaggagg cccgtgatat 1800
gttgacaagg ctgcgaagcc acaaagcaag tcaggccgag atcgagcagg agtacatgga 1860
gattgtagcc gtggcccaag acagcaagcc cagttcgccg atccagttta tcaagatctt 1920
gataggcaag agcggggcgc cgggaagcaa tctcagccga cgggcctggg tgtgtgtgtg 1980
gcttcagatt atggcttctg ggaccggtat cacggtatga gaatcctacc cggtcgtatc 2040
gttctagcta aaccgcgtca ggctgtcacg gcatactcgc ccaactctct cagtcaagct 2100
ggatacagca gcctgaccca aaacggcctc gcaggaggtc tcaacacgat tggatttgtt 2160
ggaaccatca tcagcgcgca gatcgtggac cgaatcggtc gaagaatgtg cttgatgctc 2220
gggtgctctga gtctcttcat cgttgaagtt atcgtaagtt tgcccccttt atcagaatag 2280
acccttactg atccgctaag gccggctctg tctatgaagc ctcccttcac aaccagaaa 2340
aagcggctga ctacgcgccc gctgcagtcg caatgctctt cctgttcaac cttgcctatg 2400
cctcgacttg gggcacctg gcattcctcg ttccaaccga gatattcccg tctgacctcc 2460
gtgcccaggg caacgggttc ggcattaccg ggtgggcat tggcgtcggg atgaccacct 2520
tggatgaacc gatcatgttt gccagcctga aaagccgaag ctacttctt ttggccgggt 2580
tcaatctct gtggattccg atcgtgtatc tgttctaccc tgagacctgt aaccggtcgc 2640
tcgagtccat tgacgctttg ttctcgacgc caagtccgtt ctattgggaa atggagcgcg 2700
cg 2702

<210> 20301

<211> 2714
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20301

```

tctctctccc agccgtatgc aagtacaacg caaaatacaa cgccaacaac gaccgccaat   60
ccccggctgcg cgagttcctc ctggagcagt cgatagtcgc ggatgtaata aagtcgcgcg   120
gtctgcaaaa ggaaagtctt gacctgggag acgtgctaga tgctctgttt cgggaaactcg   180
gcatgccgcg gtcactgggt gaagttggcg ttgccagga taagctggac ggctcgcgcg   240
caaactctct gcatgaccgg tgggtgctgat cgaatccggt tcctttgaac gagaaggagc   300
aggtactgga gattttggag caggtaatth gatcgacgta tgtaccttta gatctagaaa   360
tgcatataca tctgatggac tgcatatccc tgatgattat ggccaaccct acacgtatcg   420
gcgaacgtgc aaccatccca atatcccat ctcaacaaag ccaataaaaa gctagtaacg   480
agggacagaa gatgtaacgc aacagaaacg cgactctaga ctccaactat catctgtttc   540
agtacaaaga ctctgacaat ggatgcctcg tcattcaaca cgaaactcgg gcaaagaaca   600
aacacctacc tgacttcgaa ttatataact tcttcaggcc acattcacac aggctacgga   660
gaaatctagt ttctgggtc tttaggttat tattaagagg aacagaggta ggatagagaa   720
acccatagct acggtacgca agccaacagc cacacgatgt tggattctc acgtacgatt   780
gaataactgt gggaggcaca ttttgtgtct ggaagtggcc accagctgct ctaacctctc   840
aatggtctta tgcgattgtc ccgccttctt ctctctgcag acttgtcaaa tcgaggtggg   900
aatatcataa ttacacacca tgaaagccgg agtgtgctct ccagggtactg ccgtgcttta   960
tcatttgtcg cccatctaca cgtgacgccg agatttgtat acaccgactt tttgattgca 1020
gataagccat gagcgcaaca aatatggctt caatggagtc ggcactggca gcaatcgaat 1080
ccataaagcc tggagaacgg tttagctatg ctaaaatcgc tgagcagtat ggtgtaagcc 1140
gtacgacgtt gtctagaaga catcgggggtg ttcagggtc aaaaaaggca caatatgcaa 1200
aacagcagct gctcaacccc caacaggagg atgagcttat aaaatacatc gacaagcagt 1260
ccgagaaagg cctagcggca tccaggcaga tgatcgagaa ctttgctcga gagagtgtc 1320
aaaaagagcc aggagcaaac tgggtttcgc gctttcaaag aagacatcag agcaagttta 1380
tgagtgtctg tacaaccggc agtgattctt cacacagga ggacgagact acctttaagt 1440

```

actcacaata ttttgcttta ttaaggcgga aattggatga atacaaagtc caaccagagg 1500
 atacctacaa cgtggatgag aaggagtttc ttattggaat cggctctaaa aacaagagaa 1560
 tcttctccaa ggagagccat gaaatcgga gcttcaaaaa gcatcttcac gatggtgact 1620
 gtgaaaggat aactgcaatt cctgtatatt gcgcagacgg aagcaagctg cctcctggcc 1680
 tgggtctatca gtctgcttca agcaaaatac aagatacatg gcttcaagac ttcaatcctg 1740
 agtatcacia ttgcttcttt acatcctccc cttctggatg gaccaatgac gatgtgtgtt 1800
 tggcatggct tcgggatgtt ttcgacaggg agacgaagcc aaaggcaagg ggccgctgga 1860
 ggctcttggt gctagatggt tatggttcat ttgtcacaat gaagttcctt gactactgtg 1920
 aagagaataa gattctcctg gctacatatc ctctcattc aacacatata ttgcagcctc 1980
 ttgatgttgg catcatctct cctttatccg aggcgtatga tgatgaagta gaggcatttc 2040
 tgcattgcat tcaaggcctc aatgctgtta cagaacgaga attcttcgga ctgttctgta 2100
 aggcctggaa taaggctgta tctcaagcca atgttgagaa ctcatggaga gcaactggat 2160
 tagtgccctg gaatcctgat gttgttctgg ctcgttttaa ggagaatgca gcacaaaaaa 2220
 cttcacctag tgagtctaca cgagctatat tgcgagggga agactggaga aatattgaga 2280
 ggcttctcaa gcaggcgaat gttgacgttc agaataaaaa tactgagaag ttgagcctta 2340
 caatccatca cctttctacg gagaaaatca tgctgaaggc gcgctgcaaa gaccttgagg 2400
 atgcgctagc aatgagaaa aagaaacaga aacgaggaga gtctcctata ttccagtcac 2460
 aggccgcaga gagggttaac acagtcttct attctcctag gaagaccag caggcgcgta 2520
 acctgcaaaa ggagaaagat aaggctatac agcaagctga agctgcaaaa gagaaagcca 2580
 agctacgagg acagcaagac aaagaagaga agcagcaaaa tgctaagaag aggaggagga 2640
 ggaggaggat caaagcctca ggaaaacaga ttcgattgca agaagaagag gagaaaaagc 2700
 gccagagaaa acac 2714

<210> 20302
 <211> 2734
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20302

ctcgtggctc tggcatctgc tgaagctccc tcttcaggct tagcgtgtcc gattcctttt 60

ccttccatcg accaataatc attctgcaaa gtcccacttg ggtctgggtc gccaccatgg 120
 acagagcctt catgatgctg attggctgat ctggacgggt tccagcgtcc catatgcggg 180
 ccagccgggt caactcagaa ccccgacccg caccggagtt gtgcttcctt tgctgcatgg 240
 taggagtagt cgtcggcgaa agtagttgta acagtataaa cccctaacag tcgccttgct 300
 tcgataatcg tctcgccttg ctcaaacggt gcagggcttc tccctttttc ctactgatca 360
 gcctcctatt gaggaagcca ggacggacgg tgacgctcgc agtcgtgcat cccatcccct 420
 acagaattca ttgaatcata ccttacgcca ccgggaaccg actcttatca ggtcccgaac 480
 cacgttcgtt tctgatctta ttccgttcga tttcgttcgt ttctcaccct cccaataatg 540
 gctgaggcag cagaaaagat gcccgcggtc gactcagcca aggaggaaca aggttcttcg 600
 gtggaagtgc ctgtgaatgc gtccggccac cgtaagagc tccaacgcaa ttacggtctg 660
 ctgagtatct gtgctcttgc catcacgact ggaaacacat ggattgccca gggaggaagt 720
 atagcgactg ctctttctaa tggaggcccg tctggagtta ttacgaatt tatcgccgtc 780
 tcggtctgct actggatggt ggctgcatca attgctgaac tggcgtcagg aatgccgtct 840
 gctggtggtg gtatgattcc tcgctccgct gcgttcttcc gctttggctg atttgcttat 900
 ctagtctatc actgggcttc tattactgct gggaagtatg gtcgctctg cgggttcttc 960
 gcgggctggt ggaactgctt ggcttgggtg cttggtggcg cttctgtatc cgccattctt 1020
 gccagcaga cgtctcgat gtatgcgctg atgcaccccg gattcgagat gaaggcatgg 1080
 cacgtctttg tcagcttcat catctgtaca tggctctgct gctcgatcgt cctatTTTTTg 1140
 aaccggttcc tcccgagtt gaataacctg ggcggttctt ttattctctc tgggtgtgctc 1200
 attgtcatca ttgtcgccgc ctgcatgcc catgttaatg gcgtgccgta tgccacgaat 1260
 gaggatgtct ggcggaacctg gacgaactcg accggatact ctagcaatgg cttcgTTTTTc 1320
 gtcgccggta tgctgaacgg tgcttacgct gtcggtacac ccgactgctc gacccatctc 1380
 gccgaagaga tccctaaacc cagcagaaac atcccaagg ctgtccttgc tcagatgagt 1440
 atcggttca tctctgcctt gctttacatg atcacgcttt ttacgccgt caacgatctc 1500
 gagtctgttc tggccgcgcc tttccctctc gctgagctct accgccaggc gaccggatcc 1560
 aagggcggcg gtcttggctt cctgatcatc accttctcc ctaccgtcat caactgcgcc 1620
 gggtgctaca tcactgcggg ccgtacctc tgggtctctt cccgcgaccg agcgactccc 1680

ttccccaact ggactggccg tatcaactcg actatgcaca accccttcaa tgccaccctc 1740
 gtttgcgggc gcgttatcac aatcctggcg tgtatttatg ttggttccac cacagccttc 1800
 aatgctttcg ttggctgctt cgtccagctc tcttctcttt catacttcgc cgccatcttc 1860
 ccccatgttc tcaactgccg ctgcctcttt gtccgtggct acttctggat gggcaatatt 1920
 ggatacgtca tcaatgtcct tagctgcatt tacattctcg cttcgtgggt tatcttctgt 1980
 ttccccctcg ctctgccac cgatgcggct tccatgaact acgctagctt gatgaccggc 2040
 ggtctgacta tcttcgtggc catcaactgg ttcttcagaa tgggttcata cgagggcccc 2100
 aagtttgtcc cgttgactga cagggctctg gcggaggacg ccaaatagaa aaagaaaaac 2160
 caaaacaaaa atcggatata aatcgcgcag gaagagtga tgtaccaata gttactgcac 2220
 atggcgcttt agatgaagtc tggaatttag cggattataa gatccttata atgtcaatcg 2280
 ttatgattct tgtatatatg cgataactat accatctatc ttcgatcaac tgactcttaa 2340
 tgagattcat caattatcca gtatttagca ggaaaatcgt atgcatacga aattggagtc 2400
 acgtgaacac gcgttcccat ggcgcctgac gcgagtctct tccacttgaa ctttcaacaa 2460
 ggcttatgct acgtcaacat ttcaaagacc atttctcgtc atggtcttta agcccttcaa 2520
 gccgctctcg ataaggaagc cacctcagcc tgccgatcca acccaaaaac catccataaa 2580
 gcctctcgaa accgatgacg gccgcctgac aaagcggcca cgactgtttt ccaggatac 2640
 aagcaacact gagaacacgc gtactacgtt agcgaaccag aggaaacctt tgattcaggt 2700
 cactaatgtt agcgaggcgt ctgcccttac tagc 2734

<210> 20303
 <211> 2784
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20303

cagtctatcc atcttactga agccctcagc tggctctgca ggccttccac acagaagtac 60
 agtagcagtc atggcttcct acaaccatat atcccaagag cccgactcca acactttatc 120
 cgactcccgct cttccaaca gtagtcaatc gttacgaata caccttgatt acctccgcat 180
 ttactacctc gcagccgctg tctgtgccgg cggctctgctc tttggctatg actctgggtg 240
 aattgggtta gtctctcttt tctcagctct accatgttta atgcgggtccg ttaataagcc 300

cgtaggagg cgtcctcacg ttcccttctt tgcagactt cttctacccc agcgccagca 360
 ccaaccaaag tgagacagat atcagcgcac tgcgcgtagc caccagcaa gctggcgcac 420
 tctaggctg tctggtcatt tggccggtga caaactctgt cggccgccga aaagcactag 480
 cctctgctc cctcaccttc tgcacggcg tgcttttcga aatcctcacc ctccattccc 540
 ttgcgtctt ctacaccggc cgtatcatcg cgggctcgg cgtcggcggg tccacgaccg 600
 tcgcgccaat atacctcgcc gagatgagtc ctctcatct ccggggcaga ctgggcagtg 660
 ggtaccagtt tacctttaca atcggtatct tcgcgagcta ctggatagat tatgcgtttc 720
 ggctgctggg ggatgacgcg aactcggcgc agtggcgggt tccacttgcc ctgcagcttg 780
 ttcctgggtg tctgatgggt gcaggcgta tgcgtctccc ggagagcgtg cgggtggctcc 840
 ttggtcgagg agaaacacat acgcatgagg catggaacag tcttgtttgg gttcgaggca 900
 gtgatcaagg aggcgcgctg ggtgacgaat tcgccgacat gaaacgcgct gtgcaccgcg 960
 atacagaaga atcagccgac tttacccgc gcgagcttct cctccgtccg aaccgccatc 1020
 gcatcttct cgtgtgtcc ctgtttatcg cgcagcaggc cacaggcgca acggcaatgg 1080
 cgtactttgg acctcagttt ttcagcattt tagttaacct aaacctcag cctccgaag 1140
 cagcatcagc atcatccaat tccttaactc tcctcttaac aggaatcttt ggcgccctta 1200
 aggtcctcag ctgcctatca tttatccttt ttattgcaga ccgcttcggc cgccgaccac 1260
 ttctcatatt tggggctctg ggaatggcat tctgcatgat tgcaacttct gttcttgtag 1320
 attcaatgcc tattcaggac caaaaatccc tcatccacca tatcagcaaa gtccctaaca 1380
 acaatcctcc taatatacct ctttattgtg atctacaaca catcctgggg tccgcttccc 1440
 tggccgctcg tcgcagagct cttcccgacc cggacacgct caagcggagt ggcctcgca 1500
 gttgcaagcc agtgggcgag taacctcgta tggtcatttg cgaccccggt tatactgagg 1560
 gatgtgggtg caaatacttt tttgctgttt ggaggcgtct gtgtgggggc tgcgggattc 1620
 gttagacttt gtgtgccgga aacgaggggg ttaagccttg aggaggtgca agggttgttc 1680
 gaagaggttg gtgggggggt tgaggttgag catagagatg ggggaagaga tgatggggcc 1740
 gagtgggagc gtcttgctga cgggagtgag ggtggtggga ctgattatca tggggagggt 1800
 tctttagggt tgaacgatga ggacgggaaa tgagtagata tggcccgaa gcgctagtaa 1860
 ataggtttgt gcatatatta cttoctggta catatttcag acgatatagt tcaactgagat 1920

gctagactaa atacatggca taggccgaac aaaagctaag tattcgtgct cgtgattgaa 1980
 aataaactgc aaatccttca tccctgactc caaactccag aacgaaaata aaagtacaca 2040
 cccgcttgct aagcgaaccc gccaatatgt cactgagccg gtcgattccc aacgcttttt 2100
 tacgaccagc ggccaaactc cggtgtaagt aagctcatta ttcgtcaatt ggtcctccag 2160
 ggcaccaatg tagtaacaca ccgtaaatg cagacgaaaa gcacgatatc atgccgtcgg 2220
 tgggtggaca tcaaagccaa atccactagg ctttcgctcc gagtggcatc cgtactgtgc 2280
 cggggctgtc ccaaaatcga attgctcatg ctgaatggag atgttcttcg ccatgttttg 2340
 gatgtacgct ttgatggatt cgtggccaca ttcggagtgt gcaagaagct gatccttggc 2400
 caccacgata gcgtccctca acgagttcac agtgcgagtg agctcctcgt tcttcatctt 2460
 ctctgctcg tacctggtct ccaacatatg gttctgctcc ttcttcttct gtcggcactt 2520
 gctggccgca agtcgggttc gtgctctagt cttctcttgt ttatcatcac cgggcgacgt 2580
 aggctcgacc gaggttgagg cccgagtgtc gcctcgactg ccaactcatgt tgctagaacc 2640
 gtccttctg cgctttggcg gggactcaga tgagccttca atgggtggacg ggagatatgc 2700
 tgacttagag tcgtgggaag gaacggagta gacggtgctg ggagaatggt ctgaaggagg 2760
 ggtgacttga ccatggcgga cccg 2784

<210> 20304
 <211> 2786
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20304

cccaagcgat acgcatttgt ggatgacgat acaaccgttg ctcttgaggt acttgagaat 60
 aggctcaggg tttccggcgg tctcgatgat cttgatgcc tcttggacgg cagccttagc 120
 ataggccagg tagtcggggg cgttaatggc gggaagcatg gtgatgttga cgccgaacta 180
 gggaccccg gtcagcctgc aataggtaaa taccctcgag tggcttaacg ataccggttt 240
 atcagtcatg cttcgacagc gacggatttc tgctcggagg gcgtctggcg aagggtgggt 300
 gagggctgtc tgtccgtctc gtcagaggat gttcgtcgtc aagggactgg ctaccagca 360
 tactaagaac ccgagacctc cagcatttgc aacggctgat gtcatttctt tgggcgtcag 420
 gtagcggaga ttaggacatt gagttggcac tcaccggcgc gaccaaccca catcatccct 480

gggggattag tatggtcttt cgaacgatta cggttaaggag cttacctcct tgcacgatgg 540
 ggaccttgat cccaggggtt tctgttaacc acgtcttgaa cggcattgtg aaaacgttcg 600
 ctgatatcga aaatagccag agactaggcg tgccagctgg aggccggccg ggtatttaag 660
 ccttagcagg agccgacaag ccgcgggtca gacagcgatc gcgtcttgtc attgtagatt 720
 gagcaagtca gaaatattct aaccgacaac tactcattag ggaggctatc aaattgcact 780
 gccttatata tgtttgattc actaactcgc catcatacgg ctctatctcg ttatctatgg 840
 aatggattta cccaatctc tgcctacccc acacttcacc tgtcacttta ctaatggaac 900
 ttctctcca actctctcac ttctcttcc tcccttcaac tctcacagca atactgagct 960
 gtcaagaccg gcagtatgcg gtctccattt acccctctag caatcggctt tggcttcta 1020
 tccaacgctg gggccttgac aatcccttct tttccgcagc agctccttgg ggcttcggct 1080
 gcagaagaga tttgcctct tcttgcaaag gtcactttcg acgacagcaa tctcttcca 1140
 tctgttcaat acttccaaaa tgaaaccatc ctccagcgtc aagttgatcg tctttccaga 1200
 gctgttcaaa tcccgactca gatcactgat tacatgactg atcccaatga cgacgcattt 1260
 gcgccttttg ttgacttcca caagcttctt gctgggctct ttctcttgt gtgagctcac 1320
 ctaccctttt cctccttact tcaatgacct tcgcgtcacc cgcgtatcct tcccagctca 1380
 ggatctctct tcccaaaact aacctgagac agctactcca aagccaagat cgagcacgctc 1440
 aaccgcttca atcttataat aacacttgaa cctccctcgg aaactgtaga aaagagaaag 1500
 ccccttctct ttacgggtca tcaagatgtg gtccctatta acgatgcctc agactggacg 1560
 catctcctt tctcagggtta ttttgatggc gagtttctct ggggacgagg aagcagcgac 1620
 tgcaaaaacg gccttatcgg tcttctctct gtagccgagg atctcctatc tcagaactgg 1680
 acgccatctc gaccgattgt cctggcggtt ggattcgacg aggaggcaca agggatatatt 1740
 ggtgctgcgc gaatcgctcc ggttctggag gaaagatatg ggaaagatgg agtagaatc 1800
 atccttgacg aaggagggtg cggtatcacc acccttcgct catcgttatc ttccgctgga 1860
 gaggaatttg aggacgagag tgtgatttac gcgctcccgg atgttggcga gaaaggcgcc 1920
 gtcacgatcg tccttaccct cgctgtccct ggtggccata gttccgttcc gccagacat 1980
 accggggctc gcataatgtc ggaaattatt tacaagctag agaatactga gcttgacatt 2040
 ttcacgcca ttttagggtc taatcacct tctcgccgag tgtttgagtg ccaggctccg 2100

cattctcctg aatatgtgga ggactggctt gcttctgcgc ttgactcgga tgatcaggca 2160
gcaacggccg aagcaattgc taggtctcgt ggagaaagcg ttcgattcac tctccagtcg 2220
tcccaggcag cggatatatt caatggaggc ataaagagca acgcgcttcc ggaaaagatc 2280
accgctgtcg tgaattatcg catcgcatcg caccaaaccc cgaagatgct ccaagaccga 2340
gcggagaaga tcatagagcc cattgtagag aagttcaatt tgacctgggc cagattcttg 2400
gataccaaca aggacgagat cagcagtga gtggcaagca gtggatcatc cacgctctcg 2460
accctaaatt ctctctcga gccagcccc gttagcccta ctgatatcga tacaagtccc 2520
gtttgggcac ggtttgccgg tgcgccccgc tcggtcttcg agtctgttcc aagtctgaaa 2580
ggcaaaactg tcgttggttg tggggacatc accaccggca acacggatac caggctttac 2640
tggaacctat cgccaaacat ttcccgctgg agtcccgcg gcgagggccg tgcgttgaat 2700
atccacactg tggatgaaag agttggcatt gatgctcacc tcgagggcat gatgctgtat 2760
tatggtaggt cttcttcac gttgca 2786

<210> 20305
<211> 2789
<212> DNA
<213> *Aspergillus nidulans*

<400> 20305

ggaggaatgg catcagcgcc tatcccatgt ccatctacga gccatattga aaatggcaca 60
acagaaaatc atcaaaatca aaggcccaaa aaccttggct ttctgcgata tctgtcgaca 120
ggctaaggag aggagaaaga gtcctaagga gccagcctcg cgcgccacaa agatcctggc 180
gcgaatccat attgatattg caggaggagg agcaacattg gactgcaagg atgaacaagc 240
ccctcccggc attagaaata ttcgatattt cttgttgatt actgatgatg caactcgata 300
tcgatgggtt tataccctcc gaaccagaga tgaggctatt cccaccttcc agggatggct 360
tgagcatatc aaaaaccaag gatacagccc accagctttc gtacgaagtg atcggaatt 420
tctaactgaa cacgtcaaga agctctgcca aacctatggc ctaatttggg agccaaccgc 480
tgagactcc ccatggcaag atggcgctcag tgagcgcgga atacagacgg ttttacaata 540
tacaagggca atgttatatg actccagatt accacgatgg ctatggccac aggtcttaca 600
aacagctgtc tatcacatga accggttacc tacaagaatt cccttgtaca atgatcgacg 660

gcctatggca ccaaccagcg atccggaaat ccagccatgt gcccatTTTA cgccctattc 720
 cgcttgacc aatggtgaca ctgatatcaa gcatcttgTC aaatttgggt cacctgcttg 780
 gatgcaccta catggagcat caaaatatgc tggcaagcca accagtaaga ttgacccaaa 840
 agccaagaag gtccatgtcg ttgggtatag aggccgccat atctatgtta tttgggaccc 900
 tgaaatcaac caactacgCG ataccagtga tatctccatC aaggaggagt ttaacccgCC 960
 acagagcaag ccgtacgaag ctgccaaagc tcccgaagct gctaaagctC tcgaaactgt 1020
 caaacctgcc gaaactgtca aaacggctga cactgtcaaa actgccgaag ctgtcaaacc 1080
 tggcgaaaact gccgaagctg cagaacccaaa aaccaataaa gaccttctta tacaggatat 1140
 atcagatatt acctccagag aagagctata ccgacctgcc aaaggatttg ctatccaaaa 1200
 atctgtcgaa tcacctctac ctgagcccaa atcgtacaat gaggctatca aaggccctga 1260
 atcagctcaa tggcatgcag caatgcaaga agagattaat accttgaaac ggaacaatg 1320
 ttgggatttg atccgaaaat ctgacatgcc tgctcgacg cgccatacca ggaagatggg 1380
 ttataaaaaa gaagcttaat cctgacaact ccatccgtta caaagcatga tgggtaatca 1440
 gggggaatct tcttgataaa tcggaatttg aaggagcaac gtacgccccA gttgtcgacc 1500
 tgattacttc acgaatcttg tttggtgtca gcgccccaaa aggctggcat attattcagg 1560
 cagatgcagt tctagcgttt ctaaagtcaa agttaaagg ccaaccgatt tatatgcac 1620
 aaccacttgg attcgctgaa ggggagccag ggaccctagt ttgcctgctC cgccaatcac 1680
 tatatggcct aaccccgctc gcgcgcctat ggtacgatga tctacgagca tatcttgaat 1740
 ctataggatt taaggtttcc ccgcatgacc caggcctatt cgtacatgtt acagaaaagc 1800
 tctatatcac caccatgtt gatgacttca tgattgttgg tgaaaaggcc caaaacgccc 1860
 tacaagcgt cgaaagcttg aaatcccgat ttgaaattaa agaagcgccc gaattcaagc 1920
 gatatctagg catgaatatc aaaacaacgc ctacaggcat ccacctgtca caggaggatc 1980
 aaattgatga cattatcaac tcttttgggc ttcatgatgc ccacccacc aaatcacccc 2040
 ttgatcctgg aacagttatc gatgatgctc cagatctaaa aatcaatatc aaagaatacc 2100
 agcgcggtac tggcagcttg cagtatctag ctacaaaaac taggccagat atcagccgag 2160
 ccgctgctt tcttgctgaa ttttaatacag cgcctacagc caaatgctgg gcagctctta 2220
 tgcattgtat caaataccta aaaggcacc gcagtctagg aatcagatat taacatgatc 2280

ctgcagccaa tatcgagccc cctaaagcct ttagtgattc tgattggggg ggacctcata 2340
 caaaagcacg tcggtcagtt ggcggatatg ttttcaaact tgccggagga ccaattgctt 2400
 ggcaatcaaa gcgccaacc tgcgtagcaa ccagctctaa tgaagctgaa tatattgctg 2460
 catccgaagc ctgcgcgaa gcctattgga tacgcgaaat tatgaaggat cttcgattat 2520
 ttgatgacca acatgcacct ggtatcccat tacatatgga caacaaagga gctattgatc 2580
 ttacaatgtc cgacatacaa accaaaagat caaagcacat tgacatccgc taccattaca 2640
 cccgtgatat ggtcgaccaa ggcacatcc atatcaagca gatccctacc gccgaaatgg 2700
 ttgcagatgg ctgtacgaag cctctgggat ctgaagctca ctcccatttc attcgtttat 2760
 taggtctccg caacgatgat taatatattt 2789

<210> 20306
 <211> 2792
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20306

ccatcagctc gctgggcagt cttgatttcc tgtcgggtctt tgtatgcctt cctatgtgac 60
 tctggctaata ggcgacaggc ttttcggtta tgaccaaggc gtcacaggcg gtctcctcga 120
 gctgccatcc ttctacaagt acttcccga aatcactgca gacatgtgcc cggaagacga 180
 aaacctcagc tctgcaggt cgcagcgtag caccaaccag ggcacgctg tcgcgcgata 240
 caacctcggc tgctttctcg gagctatctt gaccgtgttc atcggtaacg caatcggccg 300
 tcgcaggacc attttctgcg gctgcgtgac tatgactact ggcgctatcc tgcaatgcac 360
 tgcttacagc ctccctcatt ggatcggttg acgaatcgtg actggaatcg gtaacggcat 420
 gaacaccagt acggttccaa cctggcagtc agagtctgcg aaagcgcacg atcgtggtaa 480
 actggtgatg atcgagggtg tgttgatcac cggcgggaatt tgtctcagct actggatcaa 540
 ctatggtacg tcgatttctt tcttgggtctg ttttgtactg gcgcgcagta atcactgacg 600
 ctcccttgca ggtttgcct tcttcccga ccacgaggtc tcatggcgct tcccaatcgc 660
 ctttcagatt attttcgccg ttactatctt catatcaatt atgaacctcc ccgagtcccc 720
 tcgttggtcg gttatgaaag gtcgggacga cgaagcgggt gagattcttg aactcctgaa 780
 cgagaagccg cgcgacgacc cttacatcca gaacgaactg ctgtcaatca aggaaactgt 840

gatggaaatg aacaagggat cattccgcag cctgttcaag atgagcgagt accgtgaatt 900
ccaccgtgtc gcgctcgctt acgtcaatca gatgttccag cagatttccg gcatcaacct 960
catcacttac tatgtgagca catgtttctgc cttgaaacgc gttcattgct gatattgtcta 1020
ggctcccaat atctacacgg acattggtct cgggtggcggg aacaccgcga agctcatggc 1080
cgccgccaac ggcaccgagt acctcctcgc cgcgttcatt cccattttca ttatcgagaa 1140
agtcggcgtt cgcccggtga tgctctttgg cgtacgttcc ctccctattc acttctttgc 1200
tagaatctga caaagccagg ctgctggaat gtctatctcc atggccattc tcgcggttac 1260
aactaccgc cgcgaaacct acgacgacac caaggccggg gtggcccagg cagtcttcct 1320
ctttgttttc aacaccttct tcgccatcgg ttggctcggc atgacctggc tgtatccgc 1380
cgagatcgtc ccgctccgta tccgtgcgcc taccaatgcg ctgtcgactt cggcgaactg 1440
gatcttcaac ttcattggtg tcatgatcac ccctgttgcc tttgagaaca tcaaacataa 1500
cacgtacaca atctttgcgg tcatgtgagc ttcccttttc ttcagttcag ctggctcttg 1560
taccagggca cgtgctaata tcattctcag taatgctttt atgttccccg tcgtctactt 1620
ctgcttcccc gaaaccggtt accgttcgct cgaagagatg gacgcaatct tcaaaaagtc 1680
ggacggaatc tggagcgctg tgcagcattc tatcaaggag ccgtaccgct atgataaaca 1740
cggtcagctt aagcctgagt acctcgagga ggcgatcagg cgagaaagtg tgcgtcatgt 1800
ggagggcaag ttcgagagtg aggacagcac caatgagagt caggaggcga aggggacgga 1860
gacgagactg gagtaaataca ttccgagcaa tggggagtgc cgagataacc gggggtgatt 1920
gacgatggta ggatttatac ccgtcgtgtg aggttttgtt cagcctacac gatatcgatt 1980
tgtttacgct ttggtggatt agatggatgg tcctataatg tattatgctg ttgataactg 2040
cagcaaagct ctagaggggt ttattccaat gattagatgc ctagctcgta tgagctttca 2100
gttgatctct gcacctgcac tcaaccaagt atcctctctc atattcacta gcaatggcat 2160
ctcagtatgt ttactgcata tcatcccccg tttaagagaa caagtccgcg agcatcacag 2220
cttcctgctg cctgacagcc ggtgacacgc attaaatctc caagccacga ggacgtggtc 2280
ctgttgatcc tagcggctct cttgtcaatc acatctcatc cacagtgtaa atgtggctca 2340
agtacatagc catcgccatc ttcagaatac acaatgttac aatcacaagc ccaggcgcag 2400
aactggcttt cagaccgcac aagatctaac ctgacgtcac tttcagatgc cctgccgaga 2460

atagattaca atctcgcccc agtgtgcccc gagctctgag ctttgateccc tcggcattat 2520
 gtgcggcgca cggcgcacgg atgtttatatt ttgacatctt tttatttatt actagccggc 2580
 ctcttcatct aacaaattca tttacataat ttattccgca gatcggcggc gcaggtaagc 2640
 actttggggg ccgatgtggc tttcatggcc tggccttgct gtatttaaga gctgcatgtc 2700
 tacaactggc ctgtgacggc gccgccaatg gaaaggggaat cgaacagttt cagtcgcaca 2760
 atattctgcc ttcgatgcgg cagataccgg cg 2792

<210> 20307
 <211> 2806
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20307

cctgatcgct aggataatcc ccagcttacc aacggtcaga cggcagagct atggactcgg 60
 atagttgttc atggggcgga gagggcggcg ttccccatca tgaggacccc ttcattccagc 120
 gttttatcgc tggctgctcat tccttgattc agcgagagaa atcacaacgt catgggtgaga 180
 atcgtgtgct atgtgcttgg tcttgatata ctgttaacca tcgttgttca gatgcaaacc 240
 tgcataacgc gttgcctccc gtagcgaaaa aagcatgccg gatcgtttct cgagtatgcg 300
 ctcaggaact ggccaaactc cagcaagatg gttaccagtc agacggcatc ccgcatccga 360
 gccgcatgtc caacagagac aggggtgcggg ttgaaagctc tgacctttgg agtattgtac 420
 gacgtctgcc gaaaggggtc ctcttgcatt gtcattctgc gccgatggtc gatattggact 480
 ttcttatcga tcaggcggtc gctacgccag ggatccacgt atctgcgcct cggccactac 540
 taacgcaggg cgatttccaa gacgcgccgt tcgcgttccg atattgttct cgctccgatg 600
 ggggccatac agataagcgc tcaactatggg cagatagcta tgagccgtcg actatgattg 660
 acttgcaaag tgctgcggct tcctttccgg acaagaaatc gggctttcgt caatgggtca 720
 agagccgggtg tactctggcc tctgatcaat cacatcagat tccacgtggc agcagggcga 780
 tctccgacat ctccgatcgc cgtttgccta ttatcaactc tatcctgcaa tatgaacctc 840
 tcttgcgaaa atgtctacgg cacatattct cacaattggc cgcagatagg ataaggtatg 900
 ttgagttcag agtagccttc aacttcgaat acaccctgga aggtagtgat aagaccgagg 960
 aggattatac tggctgggtc cagattttcc aagaagaggt cgaaaagtgc aggggtactg 1020

aagaaggaaa agagttctat ggcgcgcgag tcatatgggc gaccatgcgc ggtctatcaa 1080
acaaagacat tggctcttagc atggagcagt gccttctcgc aaaaaagatg ttccttgaat 1140
tcatttgagg attcgacctt cttggggccag aggctaacga gaagccgctc aacgatttat 1200
taccaatact attttggttc cgtggggcgt gcgctgatga gggagtggaa atccccctta 1260
tgttccatgc tggctacagt cttggtgatg gtgatcaaac agacgataac ctattcgacg 1320
cagttttgct gggcaccga agaattagcc aagctctttc actatataaa catccgctgc 1380
tcattgatgt tctcaagtca aagaacattt tgatagaatg ttcaccgagt tcagctgcat 1440
gtctcgggct tagcaactct ttcagtcac accctcttcc agctcttctg tctcgtggag 1500
tttccgctgc cctcagtaat gactcgccag gcatatatgg gctcggacca aatggctctgt 1560
catccgagtt ctaccaggct ctacttgcct ttcacagcat gggctctctc ggctcacga 1620
tgatggtgga gaattccatc cgttggaact gctacgaaga caaatcagta aatgattgga 1680
acacagatat ccaagaagcc attcttggtg aaggccttaa agccgcccgt ctgcacgaat 1740
tctacgccga ttttgagaag ttttgcgatt gggtagtcct ggctttcgaa gagaagtgta 1800
acttcgaata gggggggtct ctgatcatag tcagattgtg cgctggctaa gccggcacat 1860
ataaccccat ctccctggca tgcatttctc ataacccatg cctcccggt cctaataatc 1920
atcgggcacc ttctgccc aactcacgtg ataggtagac gctttctatg cacctggata 1980
gattagtcct agtttacatg aaacttctta tgttgacgtt caagagctta tcgctccgct 2040
ttagataaaa taatacatag catatcgaga cctgggtcc gatagtgtcc tctatataac 2100
tcgtagaaaa ctctctggcc gaattagtat ctgcagggcc ctatgtacat ggtatttcca 2160
tgcccatcaa tgattgcgtg tcagacggat ttggctctgt tccgcctgat cgctatcagc 2220
tctactagcg ctgggaccct caaacgtcat tcaaacaggc acttagcctt cacaaccga 2280
catctctcta gggaccgag tccgtaccgg ctctgccact tttccttgcct ctcttctat 2340
ctgtctttct cctattcgtg tttgttctca gttctgttct tttccgatga cttctaagt 2400
cttctaagt agccccggtc ggctccttat cgcataat gacctactt ctacctcgt 2460
ttttccagaa gcgttgctc aaatacgtc tgtctcgtct tgagttcatc gatactgaag 2520
ctttagatcc tgacagtctc ggtattcgtt ggggtcagcg aagcaccgtc gagctccgtg 2580
atatcgggtt acgactcgaa gtaagtagct gtgatcgatc tccccgcat ttgatgctat 2640

tcaccgccga tatcccatgc taaccggcga tgccttctga tagaaactag ccacgcttct 2700
 tcattcttcg gcctcaagca aactgctcgc agcccgatt cgacttttaa gacttaccgt 2760
 tccggccgat atctacagta gcggaataat ctgcgaggcc agcgga 2806

<210> 20308
 <211> 2830
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 20308

tgctgaagca tttcgacgtc actgaacgat ctggtttata tagcgcccag gtctctcact 60
 caagacagaa atatggtcca aatggtgagt tttttgctct ctgcgtaaag taagaggctc 120
 agcttcgaat gctaacctgt cttttccagc tcgtagcgct cgcggaagaa ccaccaactc 180
 ctctatggga gcttgtgctc gaacagttaa aggaccagct cgttcttata cttttaggct 240
 cagcagctgt ttcattcgta ctggctcttt tcgaagagag tgacgactgg actgtcttcg 300
 tcgaccctgc ggtggtacgt actaggacct gaagagatca tctactccag catccttcta 360
 acatagtttg cgctggttga gatcttgacc atcctcatcc tcaatgcgat tgtcggcggtg 420
 acccaggaaa gcagcgctga gaaggcaatt gccgctctgc aggaatactc cgcgaacgag 480
 gccaaagtgg tccgggatgg tgtggttcag cgcacaaagg cggaggatct ggtacctgna 540
 gatatcggtc atgttgcggt tggggaccga gtccccgctg attgcagact cctcgccatc 600
 cacagcaaca gctttcgggt agaccaagct atccttacgg gcgaaagcga gagtgtagcc 660
 aaagacactc gtgcggtcag tgataggcag gctgttaagc aggaccaaac caacatcctc 720
 ttctcgggta ccaccgttgt taatggaaat gccacagcgg tgggtggtttt gactgggttca 780
 tcgactgcga ttggtgatat tcatgaaagc atcacatccc agatttcaga gccgacgccg 840
 ctaaagcaga agttgaacga cttcgggtgat atgctggcca aagtcattac ggtgatctgc 900
 attctgggtt gggcatcaa tatcgaacac ttcagcgacc cttctcatgg cggttggggc 960
 aaaggcgcca tctattacct caagatcgca gtctcccggt gagtggccgc tatcccgag 1020
 gggttggccg tcgtcatcac cacatgtctc gctctctggg actcgtaaaa tggcccagaa 1080
 aaatgccgtg gtccgctcgt tgcttctgt tgaaactctc ggaagctgca gtgtgatttg 1140
 ctctgataag acggggactc tcaccaccaa tcagatgagt gtcggaaaga tcgtctactt 1200

gagccagttg ggaaccggcg ttgaggtcat cgatgttgaa ggcacaactt ttgcgctga 1260
aggcagcctt tcatacaacg gccaggtcgt tacgaacctg gcggcctctt cttcgaccat 1320
acgacagatg gctgaggtta tggctcgttg caacgctgct gcgatcgctt atgatgagaa 1380
gactggtaca ttctcgtgca ttggcgagcc caccgagggg gccttacgtg tcctcgtcga 1440
gaagattggc actgacgatg ctgctatgaa tgataagctt ctcagcttgc ccgcttcgca 1500
aaagcttcac gtttcaagcg cctattatga atctcgtctg cctctgcagg ctacttatga 1560
gttttcccgg gaccgaaaaa gcatgtccgt tttggtaggt actggaagta accggagact 1620
tcttgtcaaa ggtgctcctg aatctatcct cgagcgttgc ttttacgccc tccttgggtcc 1680
gaacggtgcc cgcgtgtccc tgactaaagc ccaccttgat cttttgtcgt ctgaggtcgt 1740
ggaatacgca agccgtggtc ttcgtgtgat cgccctggca agcgtcgatg acgtcggcgc 1800
gaacccccctt attcacaagg ctagcacgtc tgaagagtac gcgcagctag aacagaacat 1860
gaccctcatt ggccttgtcg ccatgcttga cccgcctcgc gtggagggtg ccgattcaat 1920
caagaaatgt gcagaagccg gtatccgtgt gattgtcatt actggtgata accagaacac 1980
cgcagagtcc atttgtcgtg agattgggtg ttttggcaaa gacgaagatc ttaaaggcaa 2040
gagttttact gggagggagt tcgacagcct ctctcataat gaacaactcg aggccgtcaa 2100
gagcgcacgc cttttttcac gtactgagcc ctctcacaaa tctaagctcg ttgatctctt 2160
gcaatctctt ggccatgtgg tcgcgatgac tggatgatggc gttaacgatg cccctgctct 2220
gaagaagtcc gatattgggt cgccatggga ctggcactga cgtgcaaagc tcgcggctga 2280
tatggttctt gtggatgaca actttgcaac tatcaccact gccgttgaag agggacgatc 2340
gatctacagc aatacccagc aattcattcg ataccttatc tcgtccaaca tcggtgaggt 2400
tgtgtctatc ttctgactg ccgctctcgg tatgcctgaa gctcttgtcc ctgtgcagct 2460
tctatgggtc aacctggtga ccgatggctt gcctgccact gccctgtcat tcaatcccgc 2520
cgaccatgat gtgatgcgac gacccccgag aaagcgcgat gagccgcttg ttggcggctg 2580
gctgctcttt agatatctag tgatcggtac ctatgtcggg gcagctacgg tatttggtta 2640
cgtctgggtg ttctctaca acccagaagg ccctcaaatt tctttctggc aattggtaag 2700
ccctaactac gtttttgttt gcggtcttcc gctaactcgg taatagtctc acttccataa 2760
atgttccacc gagttcccag agattggctg tgaaatgttc tcgaatgata tgtcgcgctc 2820

tgcattccacg

2830

<210> 20309
<211> 2833
<212> DNA
<213> *Aspergillus nidulans*

<400> 20309

cgagggcccg atcgctgttc gccactatca aatatcatag accgccaaat ggctccatca 60
ccctcagccc cccgtcgttc tatatactcc gtgttggtgtg tgaggtcgaa gattatacaa 120
atggaggccg tcacgtgcgg gcaccgaacc gacattcttc caggttactc gaccctcatc 180
gcgagcatca ccatatgcct tatctggcga taatatgtcg ctaaactctgc aattgtccca 240
tcagaatacg ccatccagga tcgccgatgt cgacatttga tggagtcac ccaaggtattt 300
gcctcagagt accttcattg cagctcgaa attgacagct ccaactcgca gagttccctt 360
tcattactag tgcgtccgag ctattatacc agggatggtc tctaactagt gactaaattg 420
tgtctctagt cgattacttc cgaagaaacc cagaacggcc acccctctg gcctgcttcc 480
tcagccatgc tcacagtgc catctccaag gactcgagtc ctttagagcc ctttccatat 540
actgctcatc agctaccaga gaggtaattg ctgcagcaag gtgcctgagt ccattgacta 600
atatcttgta gattcttttg cgaatcgaga aatatcccca tcgaatgaat ttcaatagtg 660
gaatcctcga gtctcgaaaa ctgcactaca agcacttgct gaagcttttg gtaagcattt 720
ttataacata cggggtggca cttgctaacc tgggggcaga ggccgattcc actaaacacg 780
ccgacggaga ttgatcttac tccgaagcta tctatcagag ttacccttct ggatgcgaac 840
cactgcactg gcgctgtgat gttccttatt gaaggatgat gaaaggccat tctttataca 900
ggagatatac gtggtacgag ctagccatcc ccacttggtc atttctctga cgggcaacag 960
cggaatcgtg gtggatcgat agcctcatcc gacaccaat tcttatccca tataccttgg 1020
ggatcaagcg attagataaa atatacctag atacaacgtt cgtccacaca tcgcatattc 1080
cccatacctt tccaacaaaa gcggagggca tagctgagct cctacgcaa ctggaaccgt 1140
accctgaaga cactaacttc tactttcggg catggacatt cgggtatgaa gaggtctgga 1200
tggcgctcgc cgctgccttt gataccaagg caagtatatg tacaggcctc ttttcgtcta 1260
gcttacatat gtaggtccac gtggatcggt atcagattgg cctgtacaga tccgtcacac 1320

agagcggtag agttgaagca gcttcgctct gtgggttcag attgggaaat agagttgtct 1380
 caggctgtct aagtgaagat gagcggctct gtatccacag ttgtgagcca ggcgtccact 1440
 gctctgccgc atcatcaaaa aacacggtcc acataatccc cataataagc cggacggaca 1500
 agggcgccga tattcccgaa ctccgggctg gcggtggcct aggtgatcta tatcagatcc 1560
 atgaactgga ggttccggac caatactcac tagatcaact ggaacagctc tgcagcgaga 1620
 agatacctga tcatgaagct ctctccaagg caaaagaagc tctctcagca gcattcaggt 1680
 ctaacaccaa agtctgtct ctggacagct acggaatgaa ggacgcccac gagatgcctt 1740
 tagaagagct tgtgaatata ctgagccgct gtcctctgag cgaggaacgt atgttgctgg 1800
 aggatttgcc taaatcaatc gataaactag atagatcagg cgaacctctt ccaaggacta 1860
 tagtaaatat aaactgtccc actcgcatga attataatca gtctactgac aacatgcaca 1920
 gcgattcccc tattcccgcc attcttctta cgccgagctg tgcgagttga taaaagcttt 1980
 caaacctcgc gatattcacc cttgcacagt ggatcctcta gattgggatg aagacgtctc 2040
 tatggaaagt ctctttggcc atctctgttc cgataacaag ttcgtccacg accagtacat 2100
 gcgtgagatg accgcgttgg agaacggcga acgcccaga aagagaagac gacgtaatcc 2160
 tgagtcccca tcgcaatcaa cccaacagtt aaccgtaacc gagaacagca ctacttcaca 2220
 ggcttcgcaa atgtcacaga tttctatgct gactggccgt gagataaatg gtgctgttcc 2280
 aacaatgggg ggccatagtt ctctgctctc attagatccg cctcctataa ggccaacaat 2340
 tgctcatcg tcccctcctt ctccaccacc tgcgactatg gcacaaccac tagaacatac 2400
 ctaccgcact acaaacaatg catcagataa tggctcgaac tcggattccc tccccattcc 2460
 caccttaagc ccggagaccg cgaaagcgag acgatatact atccaacaag catggcatta 2520
 cctcaacgac gccagaaat ctgagagcaa taagtttcaa cttgtctccc ttccatcttc 2580
 atgggtccaca aacgggggaga tttctgggcc tcgcctatct atttctgaag aacacgatgt 2640
 aagagagctt gtcgggggggt tttcgtcttc ccagccaacg gcgatttacg agccaatagc 2700
 cagtactgta cgacaaggga agccaccttt gccgacttca accggtgttg ggatcaatgt 2760
 cgatgaagct attgacaata cagaaccgga tttgtatcac aatatcatcc ttgaaaccga 2820
 caacgacaac ggc 2833

<210> 20310
 <211> 2838
 <212> DNA
 <213> Aspergillus nidulans

<400> 20310

```

ccccacccgt ggaccaaaca ccctagacct tgtcttctct aacctaccac taagggccct   60
agtagaagac catctaaaga ctccaagtga ccatgcaaca attggaataa tactggaaca  120
agaagagccc cgcctatat acaagcttgg atccaccaac tgggagaaag ccagagccct  180
ggcaagcccg cctgacccaa ccctaccaat tgacctacta gccaaacaac tgggtccagac  240
atcccagctt gcaatacaag gcgtatcaag atacaatact cgcagactcc ccaggaccct  300
atggtggact ccagaactaa cagacatact acaccaaaca agacagcaac aaaaccccga  360
ctataaacag ctccggaagg ccattgtacg ggcaaaggct gaatactgga agcagcgaat  420
tgaacaagcc acagcaccta tagatgtatt caaacttgct aaatggatac aacatccaga  480
ccagctcgct gctcctcccc tgaatataca aggggcacag gttactaccc cacagggcaa  540
ggcagacgcc ttctttaatc acctcttaga gaagggggcc ctgcttccaa atcagacaga  600
agagggaccc ccaaacaagc cctcggctc actacacctg ccaacaaaag agcactgctg  660
ggctgctctc tgtgccccac ccccgctcggc ccccggggag gacggacttg ccaccactgc  720
ttggagggag ctctggcccc tactagggga tacaatcaca caactgtact acaggtgtat  780
ggaggaaggc tgctttccac tgagcctgaa gtcagcaaag gtaataatgt taccgaaacc  840
aggaaagagg gactataccc aactcaatgc ctggcgcca attagcctcc tctctaccct  900
aggtaaaggc ctagagcgcc tcctagcaca gcagatagct gtaagagcaa ttcaggcaga  960
tgtgctagcc cctgccact tcggggccct gccaggacgc tctgccattg acctgggtcca 1020
ggttcttggt cacagggtag aggaggcctt tcaacaggga aaagatgctt cactactcct 1080
actagatgtg aaaggggcat ttgacgctgt aatacaccaa cggctccttt ctacttacg 1140
cctgcaagga tggcataaag gcttactcca gctacttaag gactggctta ctggccgctc 1200
tgtatctggt catatcaaag aaggcactgc cacagcacca attaaaggcg gactccccca 1260
gggatcccc ctatccccaa tactcttcct gctatatgcg gcaagaatag tctctacctt 1320
agagggctcc ttctgctatg cagatgatat gggcatatta ttaactggga ataccttgga 1380
agagagctca caacaactgg tagaggccta caagcaaatt actgctctag ggacagagac 1440

```

aggctccct ttctcaatag agaaaacaga gatacaacac ttctctagaa agcagcagca 1500
 gcatctcccc acagttactc tacctggtat aggggagatt acaccatccc tatatacacg 1560
 gtggttagga gttcttctgg atacaaagct tactttttaa gccacatta atttgggtctt 1620
 tagccgcggg aaacgactcg cccagcacct aaagagactt agcaataccc agcgcggctg 1680
 cccagtggcc tccatgcggg cagcagttat acagtgtgtt cttccaacag ctctgtacag 1740
 ggcagaagtc ttctatacag gcaaacgaca aaaaggggta gttactccc tgctttctct 1800
 cttccacaca gcagccctgg ctattatccc agcctacaag accacccta ctgcagcact 1860
 cttccgcgaa gcagacctac cagaccaga agctctactc aacagcatcc tccggagggc 1920
 agcagtgaga tacatgagcc ttgatactaa acaccaatt gcccaaatac cgcagagac 1980
 taccgcgggc agggccaaaa ccaggcttaa aaggatccta cagctcctcc tcagccccct 2040
 gccagagcgc gctataatag agctgcctct ccctccatta tgcagtctcc caacagacaa 2100
 caaaggctac agccctgccc ctttacagat ttcagtgtac tcagatggct cacggaccag 2160
 ccagggggca gggtatggct atgcaatcta ctttggcctc atcctcgtgt ccaagggaca 2220
 tgggtcccgc ggccccagga cagaagtcta tgatgcagaa atcatgggtg ctgtggaagg 2280
 cctacgcgca gccctgggac aacctgcgt tggctactcc accagctag ttatcctcct 2340
 agataaccta gctgcagcct ccctgctagc aagctatagg ccaaccctc acagacatgg 2400
 tctgtcagag accttagcc aactagccgc ccagtggatg gaaagccctt caatcctaac 2460
 catgcaacgg aagccccctc aggtccgctg gattccaggc cactctggaa ttgctgggaa 2520
 tgagctggca gacaagctcg ctaagctagg gtcttctata tacagccccg acatcccccc 2580
 ctccccagca tacctacgac gggaggcaaa acagtggctc cgtacagaga catatacagc 2640
 atatgctaata aaggcgctg aaacctacaa agccctgaat atcagacccc atacaaaaga 2700
 aagccgctcc cgcgagcaca agctgccccg gtgggtactt ggccgactcg tcgccgctcg 2760
 tacaggccac ggagacttta cggcatacca ccagcgtttt gaccacacag actacctgga 2820
 gagctgcacc tgcggcaa 2838

<210> 20311
 <211> 2852
 <212> DNA
 <213> Aspergillus nidulans

<400>

20311

tgccacccca gcctttctcc gcccgccac gtccctgta ctatatctgg tctgagctga 60
tgctcttcct cctgccagtc tttcgcttgc tgctcgctct aattgtatta ttccgtcttt 120
tcctcgcttg tatctcgta ttagagtcag ctgtggcctt gcccgaggc cggccacagt 180
catgtttcag gtacagttcg ccagcctagc cggttattta ctttttaaat tgcctactgc 240
ttctccgcat cgaagacgct ttacgggcgc tgaggctgac acgtgtgtga ttgaacagcg 300
tctacgtgag gctatagatt cgcgcacgc cgaggagcag gctagacaac gttcatctca 360
ggagtcgta gcccgctcca actccgctcg tcgcccgcg ggtcgcaacc tctctccgag 420
tagacggccc tcacgcccc gccgaaatac cggaaccct gtacgaggac cagatccac 480
cgagtttgag caggaattcg ctatcgggta cgatgatacg tcaagcaggt cagccactcc 540
ccggccggag tcgacaggca tacctgagaa tacaccggga gagggtgccg gacaggcgga 600
gggcacagca agcgcagcac ccgagaagga tagcatgccg ggaacggaaa caaatcagcc 660
tccggagcta ccgtctgagg tgaaagcgaa actgcgacgg ctgaacaaga tggaatcgcg 720
ttaccagggt atgttttgta tcggctatat acgcctacga cattgctaac atttgcgctg 780
catagagctg ttgaaagcat atcgagcggc ccattctcgc gttttatoga ttgaaccttt 840
tgaagccgcc ttgcgggaga acacgccatt gacctcaatt gcggatccca aggcgctgac 900
cgaatacttc aaccagattt ctctcaaagg agacctagta gcggaggagc tcaagcgggt 960
cacaactgaa agggacgagt tcaagaacaa attggaacaa gctgtgaaat ccgagaaggc 1020
cgcgcgggaa gagctggatc gtctcaaaca aaccgctagt ggcgaagagc aatcaaatga 1080
tagcaaagat gccacttcaa aaccagagca gtctcacaag gaaatcaaac aggaggccga 1140
ggagttcttt tcctttgaca acgagattcc tcggctggag tccgagttga aggagaagca 1200
ggaagaagtt gagagtctca aagcccagac cgaaaccttg aagcgggatt tatcagttgc 1260
acgtgagtcg actgagggtg tggttcataa cctcgaatct gccacccgag agcttgacaga 1320
gttgcgtagc ttcaaggata aacaagaagc ggagatgaaa aatctcaaga tctcaaagca 1380
aagtgagatt gacgaaatca aatccaagct tgaagcgtca gaaaccgccg tggccgagac 1440
caatgcagaa gtagagaagc ttagcgcgga gctgaagcag aaggcagctg aaattgaaca 1500
gctacaggca caagccagta aaccggaaga tgctgaccag caggcagagt tggcgataaa 1560

attagagcaa gttaagcagg aaaaggaggc caatgagaag cggcttgggg tactacaagg 1620
 tctagtggat actcttcgaa ccagctcaa agaaactcag gatacgatgt cgggtcttaa 1680
 ggcaaatatg gaccagaaaa ctgaagattt tgagaagctg aagaaggta ttgacttcct 1740
 tgacgggaac ttggaggata atgtgaaatg gcaggaatcc aaggaaaagg tcgctaacgg 1800
 tcaggaagtt aatttcgaag aactacaaca gacactggcc ccagcatatg gctcagaggc 1860
 agcaaacgag aagcttgaaa ccacaccgca gcctgccaac gccactgctg ccacgggagc 1920
 tggaaaaaag aagagcaaga agaagaagaa gggcggcaaa gctggggagg acaacagtaa 1980
 gctcacagaa actgctactc cgaaaccgc tccggcagtg tctcagccag ccgagtcgag 2040
 ttcagcccta gctgagcttg agaagaaaat tgcggacctt gagcaacaac tcaggagaa 2100
 ggaacaagcc atcgaacgac ttgattccag gctgaagggc gaagaagatt tgaaggagga 2160
 aatagagtct ttgcgtgatg acctccttaa tatcggccag gaacatgtcg aagccaaaga 2220
 caaaatcaag gagcttgttg cgaaaaggc agctttagaa gggaccattt ccaaactgga 2280
 ggagagatt acggatcttc gctcgaataa cgccgcaaag tcggcggatt ctgagaaagc 2340
 tcataatgat ttgaaggatg aatacgagag tctcaaagta aaattcacga caatcgaaac 2400
 agaactctct gctgcacagc aactggctac tacaaggttc aaagatataa cagatttgcg 2460
 cgagtccatc caaaagatcc aaccggaact caagaagttg aggggcgaaa gcgcggaact 2520
 caggtaact aaagatgagc tgaagagcaa gactgctgag ctgagaactt tggaaagcaa 2580
 gcatgacgat ttgcaagcgg aagtcaaggc actgaagact tcgatctccg atcgcgaaac 2640
 ggaagtgaag actctcaatc aaaagatcaa gcaagagctg gatagccgat tgaaagcggg 2700
 agaaagcctg acggttgctc agtccgatct ccgctatatt gagagcagga agcaagaagc 2760
 catcgagggt aaacagaagg tcttgctgga actctcaaac gttcaagacg agctgaaaac 2820
 agcgcgggca cgactacgag aatacgagca gc 2852

<210> 20312
 <211> 2863
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20312

ctatatccga tctctcctcc cagttcttcc ttcaaccaca agacgttgca agccacgtgc 60

cgaagttacc gccccgagag tcgctgagtt gaactcttat gtcccgtca caatccacga 120
aggcagcagt ctggtagaga acttgagca gctgaagcgc taccaggcga ttgtccttac 180
cctcaccg ctgaaggagc aactggtgat tgcggacttc tgccacaaga atggcatcta 240
cctcacaata gcagatactt cggctcttttc ggatatcttt tcaacgattt tgggaagaac 300
ttcactgttg gcgactctac gggagaagat cctgtaggtg gaattgtggc tgacatctct 360
gaagatggcc tcgtttcagc gctcgacgag actcgccacg gtttggaaga cggcgatttc 420
gtcacgttca ccgaagtcaa gggcatggag ggattaaaca acagcgcgcc aagaaaagtc 480
accgttaagg gtccctactc gtttactatt ggagacgtat ccggcctcgg tacgtatcag 540
ggtggcgggtt tgttcacaca ggtcaagatg cccaagtta tcgacttcga accactttcc 600
gagcagatca agaagccgga attcctgatt tccgattttg ccaaatttga tcgtcctcag 660
cagcttcata tcgggggttca agccctccac aagtttgcag aaaccaaggg acacttccc 720
cgtccccacc atgagagcga tgcccaagaa ttactacaaa ttgcaaatgg cctagcatcc 780
agtcaagaag aaaaggctga actagacgag aagcttctca aggagctgag ttaccaggcc 840
ctaggtgacc tcaacccttt ggctgctttc ttcggaggca ttgtggcgca ggaggttctc 900
aaggcagtat caggaaaatt cggaccagtg catcaatggc tttatttcga ctccttagag 960
tcgctgccta ctteggtcac tcgttccgag gagacctgta agcctcttgg gacgcgttat 1020
gatggccaga tcgccgtttt tggtaaagag ttccaggata agattgcaa cctgaccag 1080
ttccttgttg gtgcaggcgc tattgggtgc gagactctga agaactgggc catgatgggt 1140
cttggaaactg gccccagggt taaaatctat gtcacagata tggaccagat cgaaaagagc 1200
aatttgaacc ggcagttcct ctccgcagc aaggatgtcg gcaagctcaa gagtgaatgt 1260
gcctctgctg cagctgtggc aatgaaccct gagctggaag gtaaaattgt tacactcaag 1320
gaccgcgtgg gaccggacac cgagcacatc ttcaacgagg aattctggga gggctctgat 1380
ggagtcacaa atgctctgga taatgttgag gcccgaaact acgttgaccg tcgttgcgtc 1440
ttcttcagaa agccactgct tgagagtggc accctgggaa ccaaaggcaa tactcaggtc 1500
gtccttcctc gcatcaccga atcttattct agctctcagg atcctcctga gaagtcgttt 1560
cccatgtgta cctcaagag tttccccaac cggattgagc atactatcgc ttgggctagg 1620
gacctcttcc aaacatattt cgttggacct ccagaggccg tcaacatgta tctgtcccag 1680

ccgaactata tcgagcaaac gctcaagcag gctgggaatg agaagcagac tttggagcac 1740
 ctgcgcgact ttttagtgac cgagaaacct gcaaacttcg acgattgtat cgtctgggcg 1800
 cgtaaccagt ttgaagccca gtacaacaac gccatccaac agctgctcta taacttcccc 1860
 cgagactcaa ctacctcaac aggccaaccg ttctgggtccg ggcccaagcg cgctcccacg 1920
 ccaactcaagt ttgatagcac caaccctacg catctcggtt tcatcattgc aggcgcgaat 1980
 ctccatgctt acaactacgg aatcaagaac cctggcggtg ataaaggata ctacagaaag 2040
 attgtggata acatgatcat ccccgaaatt acgcccgaat ctggtgttaa gatccaggcc 2100
 agtgacaatg acccggatcc aaatgccgag gcttcgggtt cttcattcga tgacaatgac 2160
 gagatcaagc gtcttggtga gatcctgcct tctcccaagt cgcttgaggg cttccgtctg 2220
 aaccccggtg agttcgagaa agatgacgac acaaaccacc acatcgattt catcactgcc 2280
 gctagtaatc tacgcgctga gaactacgag attactcctg ctgatcgcca taagactaaa 2340
 ttcattgctg gaaagattat tcttgccatt gccacaacca ccgccctagt tacaggttta 2400
 gttgctctgg agctgctaaa gatcattgac ggcaaggatg acattgagca atacaagaac 2460
 ggattcgta accttgcgct gccattcttc gggttcagcg agcctattgc aagcccaaaa 2520
 acaaagtacc aaggcaagca ggggtgaagt actattgacc agatctggga ccgctttgaa 2580
 gtggacgata ttcccttgca ggacttcctc aagcactttt cagacttagg cttagagatc 2640
 agcatggtaa gctctggtgt gagcctacta tatgccagct tctacggccc ctogaagggtg 2700
 aaggaccgcc ttcctatgaa gtaagtcca tcttgtaaga atcaaaacac ctogttacta 2760
 atgttcattt gcaccaggat gagcgagttg gtggaacata tcagcaaaaa gccaatcccc 2820
 gatcatcaaa agaatgttat cttcgaggtg accgctgagg acc 2863

<210> 20313
 <211> 2883
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20313

atgatataa aagtctgcc tegtgtcaa cgtcctggtc ctctcacat tcccaacgga 60
 aaaccatggc ggaagtagca aggcgagacc ctctggggac aagttccagc caggacacct 120
 cagataaaca ggtgcacca accctacaag aaaccgatca tggagcggaa acagacctcc 180

gccgcaccct gtccacccgg catctgacca tgatcgccct tggctcgtcc attggcatgg 240
 gcctgtggct tggaagcggg acttccttgc gcaatggcgg ccctgccgcc ctcttcatcg 300
 ggtacatcct cgcgggggacg atgatctggg ctgtggctca tgctattggc gagatggccg 360
 ttctgtatcc gctgccgtct gccttcgtgc aatggagcag tatatttatc agcaaagagc 420
 ttggcttcgc cgtcggctgg gcttactggg tcagcgcgtt catcacgatt gccaacgagc 480
 tacaggtagc gtcgcgtgta ctttaatcag atgagaaact gacggcaaag ggctgtgtta 540
 cggtgggtgag tttctggacg gacgcagtcc caaccgctgc gtggatcagc atcttctggg 600
 tggttatcat cttcatcaat gcgtgggccc tcaggttcct tggcgaggta gaagtcgtct 660
 cctcgaccat taaattctcg tggatctttg tcgttatcat ctactcata ggttggcaac 720
 cctccatacc tgacgttctt tgcacattgc caactcaatc caacgccagt tgtctctgcc 780
 ggaggggcac caaaccatga agcagtcggc tttcgtatt ggaatgcaga gccattcacc 840
 aacggcttca agggctttct gagcgtgatg ccaacctgca tctttgcgat gtccggctcc 900
 gagaatagtg cattggctgc agccgaaacg cagaatcctc gtccgtctgt tccccgggcc 960
 gttggcaca tctggttgcg tctttctttg ttctacctc ttggagcggg cgtcgtgacc 1020
 atcacggtt cccagagga ccctaacctg ttccggcgcct cgggagctaa tgcacgccc 1080
 tttgtcattg catacacgaa tgccgggtata ccggtcttag cccatatgat gaacgccgtc 1140
 atcttcatct ccgtcgtctc cacaggctcc atctctgggt ttggaggctc gcgtctgttg 1200
 atggggttat cccatctcgg ccttgcaccg aaggtaagca gcacttccat cgcaaggatc 1260
 agccaaatac tgaggagcag atctttggcc gcgccgacag gaaaggccgt ccggttgcag 1320
 gactggtagt cacgctcctc ctccgtgggt gattttccta tcttaatgtc agccaaagcg 1380
 gcgcagacgt cttttcatgg ttgtcgaacc tcacctccct cttcacctg ttcggctggg 1440
 gctccatctg cgcaccccat ctgcgcatgc ggtacgcgtg gaaaaaccag ggccgatctg 1500
 aagctgatct gccctggaag acgtggactt atccctatgc ctcatggtgg ggactctcct 1560
 ggtgtatcct gtcacatc gcagagtttt acttgagtgt ctggccgctt catacgaacc 1620
 ccaacgtaac agactttttt gccaaactat tgagcatcat tgttgttctt gttgtgtatc 1680
 tcgggtgcgag gctctgttac caaggctcgt ggtgggtgga tgccgcgagc attgatctgg 1740
 atgcgccgag gaggttttac gcccagacg atgcagaggg aaagaaagtg aatgtcttgg 1800

agaagtcggt ggggtggatt tttaaataag agcctttctc tctctgtctt tctattacca 1860
 actcgtttaa caggactttt tgtccaatgg tgtactgtga ggtccaaatg tatattgtgc 1920
 cttaatgtgc cagttacaag gacctagcca gtacgcaata actttgacca gatgaaaata 1980
 gaattattaa tacaaagtct cagaggacat ttcccatcag tagcattccg cctactgact 2040
 gtagcatctt ggaaacaagg gcggaagcaa ttttccactt atcagcacia actctctgac 2100
 acgactccta gatagcagca tgcccatgag tctcaaacgg caatccaaag catagaaccc 2160
 cgacgccgac ccaaagcgcc gcactagcat agataggtgc tgtcgtgaac cccgtctccg 2220
 acgcaatcaa gctcgcgacc agcccgccga atcgaagtag cgatgccgct gtccttgatg 2280
 ctgtgccgcg atgaggagca ggaaaggact ccggcgtgaa ggcatacatt atggcgact 2340
 ctgacaactg attagctgaa ggaaaggagg ccagtgggtg gaggagtggc ggctggcgta 2400
 ccaaaattcg ctaacaaccc tgtgacacac gaaaacgcga gactcgacat tggagtcttg 2460
 acgccgacgt acgcgaagag aaagacacca gttacgatcg aggaaatgcc catcatccag 2520
 cgccggccga ggaaggtatt cagcaggacc gctgcagata acggaccaac gaccccgacg 2580
 gctgactgga tgcagtagtt gcggtaggtc aggtcgagcg aggaatcttg cgtgaatctg 2640
 gtggcaagat aagaagggag aaagttgaaa tacagcgggt atgcgatgcc taacatattg 2700
 ttagtctacg ggtgttggtc gaagatattg tgctcgtctt ggaggggaaca gttaggggga 2760
 taccaatgat caaccagaca gccagatca atgccgatg ctgggaaagc tttcgtgtcg 2820
 cgaagagagc ttggtaatgt tctcctcgaa actcctgcat gttctctttg aggatatcct 2880
 tcg 2883

<210> 20314
 <211> 2932
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20314

agcctttctt tccaccgctc cttctctcta tctttacgag ttctggctgc atgcctcgt 60
 accaccatgg gcttttttgg caaggagcat gcgcatggca gcaatataac tggacatgga 120
 aatgacgcgc aaaatcatgc tgcaaaaaat gacgccattc cagacatgga tctcttagat 180
 cccgaaaagc aaccagctga taatacgaat aacgattcac atactgcgct gccccaggtg 240

cattccccac gtataagtat tgaccctgtg cttgaggctc gtgtggtacg caaactggat 300
ttgcgggttac cgactcttct tggctttttg tgtaagcctc cattctagtg ggagtatatt 360
tctcaatgtg gggttgtctg actcggacct ctatagacct gctcgcgctc ctggacagga 420
gcaacatcgg gttagtcttc ctggcactcc ccatactaaa gtagacgctg actcctcata 480
gaaatgcgcg aatcgcaggg atggaagagg acatgtccct tcatgggaac aaatatccat 540
ggcttctgac gatattctac atatcgtaca ccctgtttga gcctcttgca ttaatgtgga 600
aaatcatgcc tccgcataga tgggcagcca ttactgccat gacttgggtga gcttgacagc 660
taagagtgcg ccctctcaat tatcttgacc taactgggtat ttaggggtat tgcggcaaca 720
tgccaggccg ctgctcagaa ctggtctggg ttgatggctt tgcgctttat cctaggcgca 780
cgagaggcag gttttgggtcc gggttctccc tacctgctgt ctttcttcta cggccggcga 840
gacttggctt gcgctgcgga ttgttcgtct ccgctgcgcc tttggccaat acgtttgccg 900
gtgcgcttgc atacgggtatc acgtcaggac atgccctact agcaaactgg aggctattat 960
tcctagttga gggagctcca tcaactggcg cggcatttct tgccctgtac tttttgccgg 1020
accatccctc ttcagcctgg tttctgacag aggaggagaa agacgttgcg cgacgccggg 1080
cgcttcgacg tagcgggtgaa ggtgagcgtg ttggaggcgt ggatctgaaa gagatttttc 1140
agactttatt cgatgtgaaa ccgtggatta cggcgggtacg tacagttgat ttgtttctgt 1200
tcgatactgg cctaactaac ggcttggcct ccgcagttga tgtacttcag ttgcaacgtg 1260
agcttttctc cgctgcgggt attcctcccg acaattctag aagacatggg ttttgagtcg 1320
atcaatgccc aaggcttgac tgcgccgcca ttcttcgtct cgtttatctt cagtatcttg 1380
actacttggc ttgctgatcg atttcaacaa cgcggcctga cgattgtctt cttttcattg 1440
gtgggagcag tgggctacgt tcttcttgca gcttgacat ccgtcgcagt gcgctatttc 1500
ggcgtattcc tggcagctgc tggggtattc ccatgcattg caaacattct tccatgggtt 1560
ctgagtatgc tccctttctg gagttgaggt tcctaacttg ctaacgtgcg agctacagat 1620
aaccaagggt ctgatagccg tcgcgggatg ggtatcgtca ttctcaatat aatcggacaa 1680
tgcggccctt tcctaggaac aaatgtcttt ccagcagtg atggccctcg ctatattcgt 1740
gggcagtcca tttgcgcggc atttatgttc ttcaacgcca ttcttgctct cagtctgcga 1800
ttcctcctcg cgtgggagaa caaacgctta gaaaagaaat acggacctca aagccaggct 1860

acgaatgcgc agaaaggaca ggttattggg gagggaaaatt acggttctag tttcagatat 1920
 gtgctgtagc tgtagagca ttcaaagca caaattacgt atagcttata catctccgga 1980
 gttcatgact aatgccttca gactaactaa ctacgggaca caacaattac gtacaaggct 2040
 tatcctgctg cctctcgaca ggctgcccac ctaagacgcc gtgacatata ctcatctcgt 2100
 agctcgtaa tcgctttacc tgggcagtat cagctgcaaa gactaccca cctttagcct 2160
 tccaccttcc ttctgtcttg gagcttatcg gtaatccaaa atctactgcc ccaaacataa 2220
 ccgcctctaa tcccagtcta ctatacctaa aaccgccatc ctacaaatca agagtacaaa 2280
 gtataataga tcatgatata agccggggaa aatagctacc tctacggggg ttgtgatatt 2340
 ggaaggatg ctgattgtat ctatcgttca gcaattctag attcgttttt atgaaagagc 2400
 tgtatattaa tgatcttcta gcaatggaat tcgcttctct attaccgaca catcgcttcc 2460
 aacagctcga accatgccta cactgtacca ggaccgggct ggaatatcgc tatacgacgc 2520
 ccaattctcg aagcccaaaa ccaagagcaa caacagtgtc agtagggaac ggcgcccgat 2580
 tccaccggag gttgtcgaa aagtcgtgga cagactagtt cggttccaag gcgtgtgcga 2640
 agatttccaa gtaccgtctg agaacatcca cgttctcgcg acagaggcaa cccgtacagc 2700
 accaaactcc aaggcattca tatcacgat taaagagcgc actgggtggg aagtgcggct 2760
 tttgtctaaa gaagatgagg gccggattgg ggcgttaggg atcgcgagca gttcacgcgc 2820
 tggtgcggga ctggcgatgg atctgggggg tgggagtaca cagattacct gggtagttgc 2880
 tagggatggg atcgtgcaca cttgtcccaa gggttcattt agttttccgt ac 2932

<210> 20315
 <211> 2936
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20315

cgacgcctgt gctcgagaat gtacgacgtt gacacggtaa agcgggaaag tttctgaggc 60
 tctccgggga acgtcgggga actcttcggc aagactcaat aaggaacccg cgtcgaacag 120
 aggacagtcg agtgataaaa gagggacagg aagatttgca ggagaaaaat tggcgtgaag 180
 gaggctgacg cagagccgac ggttgtaaac ctaggctgtt tgctggagca gcacagcggg 240
 gtactgttgc caaataggcg ggggagtatg gcacaaatta ctcttttcgg gttcctcgcg 300

ccggataact ggaaggcaga tagggaaacc agtcgatcag gcggagtcaa tttgagatgc 360
 caatgagcaa atccagaatg gtactgttaa gtagaagaga aaagcagaag gaaccacaaa 420
 cactacaacg ttgtcttaat ctcaattgaa cagcctttcc gagtgtatac agacattctc 480
 agcagttcaa ttgcttttca agcctgcgac ctcgggcgat gggcttgact tttattggta 540
 cagggtcaaag agagagctca tgtcagcaag ccgcggtggt cgtgtcgatc acgctagtcc 600
 tttttagatc ctgcccagagg gctgctgctg tcacatgatt ttatattaca gtaccgggaa 660
 atcttgccct ccgatacact caggagctaa gtcggctaaa cggccgcaa cggccccagt 720
 cgtccgtact ggggacgact gcatccggcc gcaccacagg gtccgggaat actccgaaa 780
 cctgtcaggc aatggcagtt gtgcattccc catggggaga aagcgtagt cgattcactg 840
 ctccatacga gggagcgtgg tgggctccac ttatcgaggt cgagtcaggc caggccgcct 900
 ccctggggcg tcttggtttc ttggttgagc gagtgtctgc tgattatgct gtcatttgag 960
 ttgaggaggg atttctgata ctaaactacc taacctacct gattgatgac tggtcgtcac 1020
 tttgatcttc acctttttta tgctttttta accggaggct agagtttggt cccatgcatg 1080
 tatataaacg cgagtcctcc gcgcgtgcca taccatattg ccccgactac cggcgctttt 1140
 tatctcgcta cagaagcctt aaacagcagt cttgattctg gtctgtttat tcggcatgaa 1200
 agaccaagat attgtcggca aggcgcttgc ctccgtcctg cctcagcatg atagaactctg 1260
 gctgcgaatc ccccatctgc tgaaactgaa tctcctcctt ctgatcccg cgtctctgctc 1320
 tgcagtagca ggttatgatg gtagcctacc ttatctacct ctataccgcc atcaatatta 1380
 aatagctaact actgagacta ggctccctga tgaacggtct tcaatccatt tcttcatgga 1440
 aaacctatct cgataacccc acgggctcga tctcggcgt tgtcaacgca gccagtcga 1500
 ttgggagcgt gatttcactc cccgtggctg gaatactctc tgacagaatc ggccgcccgt 1560
 ggacactcct atccggggca atcgatcatc tcatagcgtc cattatccag gcggcaagtg 1620
 tccagtacgg catgttcgtc ttcagccgtg ttctcgtcgg gatagggagt atgctcgtcg 1680
 tgcaaccgag ccgatgctg atcacagaat tggcgtaccc gacacaccgt ggcaagtata 1740
 cctgtgcttt ctggacgatg tactatctgg gggcgatctt ggcaagttgg acctgctacg 1800
 gaacacagaa acatctctca aatgactgga cgtggcgctg gccagcatc atacaggccg 1860
 gggttccctt cgtgcagggtt gggttgtggt gggttgtgcc tgagtcaccg aggtaaacca 1920

ctgagcaatt ttccctcttt tcttttattt tgtcctgac tgtttctaatt cttttattcc 1980
 ttactgtttt cttttccctt accttttttc gtttttattt gtggaggaaa aatagcagaa 2040
 attctaactt ttctagatgg cttgttgcca aaggccgtac tgaagaagca aaaggattgc 2100
 tcgccaataa ccacacagct ggagacgctt tccacccgct aattgagttc gaaatggctg 2160
 agatcggtcg cactatagag ctggataatc aagctgctga gatgggctgg tctgcacttg 2220
 tgcagacgcc gggaaaccgg aaacggacct ttattgcagt atgcattggg gcctttgctc 2280
 agtggaaatg acgttttgcc gtcgagtaca cccgagactt cctactactc tttactgtgt 2340
 ttattgacca gtgcagggag tggccgtggg ctcatatct ctgaccctcg tctctgacac 2400
 cgtcggcgtc accgacacag acacgcagac gctcatcaat ggctgctgc aaatcttcaa 2460
 ttttatcgcg gccctgagcg cggccttatt cgtcgatcga ctcggtcgac gaaccctctt 2520
 cctctgggtc gcagtgaggc tgctcgtctc cttcataatc tggactgcat gctccgccgt 2580
 ctttgacagc agccaggcct ctgccctcgg ccgactgtc atcgattcgt tcttcatctt 2640
 ctacttccac tacgacatcg cctatacccc cttgctactc gggatatccga ccgagatatt 2700
 cacatactcg acaagggtcca agggactcac ggaggagctg ttgtctgtct acgggagtct 2760
 gatcatccta gcctttgtga atccggtagc actggacaat atcggtctggc ggtattacat 2820
 cttcttctgc tgettccgat tctctgttct tgcggtaaca tattttgtct tccccgaaac 2880
 caaggggtat tccctcgaag agatcgcaaa ggtctttgac gggccggctg ctgtat 2936

<210> 20316
 <211> 2939
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20316

gacacgctcg gcgacctcct gcacacgaaa gaagcactca agaagcaaga cgagatcttg 60
 tcggtgctga aatccgaaaa ggtcttcgac aagtcgcgca accatgtcct tggacgtact 120
 gagaagatcc agcttgctgt ggccgaggga aagagactgc agcagttgaa gaaagcacac 180
 aattggctcag acgaggatgt gcatgttgct aatgatttgg tgtctgaacc aacgccttac 240
 gggttgcatg cgtcgatgtt cttgggtatg tacccttggg aaccgcagtt gggcggtggg 300
 agaatcccag ttggctaata gttggctcgc tggtaggtg acacttcgct aacaaggaac 360

accggaacaa cataagctgt ttacgagag ggcgagaaac tacgagatta ttggatgcta 420
tgcacagacg gaactgggac acggatcgaa cgtgcgtggg ctggagacaa cggctacctg 480
ggatccttcg gatcagacat tcatcatcca ttccgacgacc ctgacggcgt ccaagtgggtg 540
gatcgggtcg ctgggacgga cggcgaacca tgcgggtgggtg atggcgagc tgtacattgg 600
gggcaagaac tacggggccac acccgtttgt tgttcagatc cgggatatgg agacgcatca 660
gccgctggag aatgtctatg tcggtgatat tgggccaag tttgggtata agtgagtgtt 720
ctgggttctc tgggtgggatg ttgctgactg gtgccagtac catggacaac gggttccttc 780
ttttcaacaa gttgaagatc ccccatgtca acatgttagc gcggtttgcg cagggttgaca 840
aagccacgaa caagtacatc cgcgcgcct cgcctcact tatgtacgga accatgacct 900
gggtgcgctc gaatattgtc ctgcaagctg gcggtgtcct cgtcgcggc gtgaccattg 960
ctgtccgcta ctgcgtgtt cggagacagt tccaagaccg tgacgccaag gccaatgccg 1020
aagagaacca agtctgaat tacaagatgg tccagatccg acttcttccg ttgctcgccg 1080
ctatgtatgc tctgcacttc actggccgcg gcatgatgcg cttgtacgag gagaaccagg 1140
aacgaatgac aggtgccgct caggcagacc aagagaagcg ggggtgcgggc ccagagcagc 1200
tccgcgcggg ctctgatctc cttgccgact tgcacgccac atcgtgtgggt ctcaaggccc 1260
tggctagtac aaccgccggt gaaggtctcg aagtctgccg tcgtgcctgc ggtggccacg 1320
gctacagcaa ctacagcgggt attggcccgt ggtacgcaga ttacctgccg accctgactt 1380
gggagggcga caactacatg ctcaactcagc aggttgcgcg atatgtacgt ccccttcca 1440
ccaccactta tctcattact aatatttcgt agctcctcaa atccgctcgc gccgtcctcg 1500
ctggcaaagg caccgccaac gacacctcgc gcattctgca agcgtacctt gcccgccgcg 1560
acaagggcgc ctcttccgac attcttggca acgacgccga cattgtcgcg gccttccgctt 1620
ggcggacggc ccacctcaca ttccgagactc tcaagtaccg agacgttgag aagcgctcgt 1680
ggaacagtct gcttatcaac ttctggcgtc tttccaccgc tctatcacag tacctcgctg 1740
tgaagaactt ttacgaagcc gtcaactcgc ccgaaatcag atcctccctt gacaaggaca 1800
cagcatctac cctccgatct ctcttccgcc tccacgccct gcacactctc gaccgcgaag 1860
cctccgagtt cttctcctcc gctgccgtga cggtaggca gatcggcctc actcagacaa 1920
gtgaggttcc gaagtcctt gatgagattc ggccgcatgc ggtgagactc gttgattctt 1980

ggaagattcc cgattggcag ctcgacagcg cgctcggacg cagcgacggc gacgtctatc 2040
 ccgatctgtt caagagggcg agcatgcaga acccggttaa cgatctggtg tttgatccat 2100
 atccatggaa tgagaatgtg ctgaagaacg cgggggagat taagagcaag ctgtgaggta 2160
 ctatattctt tctttttgaa ctattgcata gagattttta gttagagtac tagactgtcc 2220
 tgatacaggt ggaatataga atagaacgat gattactctt ctgccaacct tatttgctca 2280
 agggccctgg ttgctcgaat agaagattga cacttgctct aactagctat tcccttacta 2340
 acctccccga gccaaaaaca atgagtaagc atgagaccaa gcatccaaaa cttggcacgg 2400
 ccgagacatg gccgagcgag tagcatggct gcgctggtgg cgatcgctcc ggccgccgtt 2460
 cggcagagga cgatcttatt cgctgcctca cagacaaggc gacaagactt cccaaacgag 2520
 ctagaccggg agacattctt cggggattgt gccgacagtc agatctttta tcttcagga 2580
 tcggtgtttg ttcttggtt acggcaaatt ctagcatgct ttgaatagtg caatatggcg 2640
 tgaaaaacat cctttccttc tcagattcgg gatcctgaat aactctctct gtcgtcttga 2700
 cgggtcgtgt acctgaatgt tgacaatggc gtacgtatgt ggcgatgact aatgtataca 2760
 agacaggcgc taaaaaaca tccccaccac gatttcaaag caagtggacc tcaactgtcc 2820
 ttccactcga ttctgtagac catatctgct atataaggag cgtactgtcc ctgccgaaga 2880
 tgcgtccat cactctctat acccctgcag tctccacaa tggctctccc tgacgtcga 2939

<210> 20317
 <211> 2940
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20317

tgcttggtta tcgcccacgt ttacagtcgc tatgggtgaa atagtgcagg agcatacatt 60
 tcacctgcgg ttatggcaag agtcgagagg cagcgaatgt aataaaggaa atcaagctgc 120
 tgctattaag ttacagagatt ctcgattgtg agtcgcggtg caaatacagt cataaacaag 180
 agatattagg gctaggggatg ttgagattcc aaacaaggaa agaccgtatc gtgtagtcta 240
 actcgtataa tacgatgccc cggttgatca tgtgctaaat tagtaagtct gaggtcggca 300
 tcccagttcg atactaggca ggggtgcctac atatggtacc gattaccgag tacctgaaaa 360
 tgcttcgtcg tacggggtac ttggcttaaa gaggttagcc aactgtcatg cggagacccc 420

gacacccgc cgaaggaaca cccttgcttt tccctgattc cttccagact tttccatcca 480
actcagcctg ttcttatacg cttcacgtcg aaaatctcgt ccgtttactt gccaatgccg 540
tcttgaaatg gcatectccc accaggggaa cgggacagtc cccaactctc agaccgacgc 600
accccgcatg tctccacaa agcgccgatg gagggcgcaac cgtatagctt gtgactcttg 660
tcatgctcgc cgcgttcgat gcgaccgcca gtttccgtgc tcgcgctgcc tccgtagcga 720
gatcacctgc gaattcacgc gcgagcgctc taagcgaggc cgtatcgac gatccaagct 780
ggccgaaatg gcaaagaaca aaatggagac cagtgcagc cgggctccgc taagaccatg 840
aatggtatac cggcgccgc tggtagagc atcccagggc atgtctccc cgcacgact 900
ttccaccatc gatcgccgc ggcaaatgct cctactgttt ctgctccaag tgttgatggc 960
cgacggtctc agactgaccc acaacttccc gtccggagac cagaaatcgg cgggaatgtt 1020
actgaggaat ggctcgccgc gacgcagtga tcaccaggat catacgagtt cttgaatgga 1080
ccagcttttg gagaaggact aggaccgttt cctcacatgt tcgatgtatg gaacggtgtc 1140
gacctggccg cctacagcgc tgggacttcg caagggtcga aagcgaccaa cgcgccgtca 1200
acctctacag caccgttgaa gtaccgggtt ctacagccct tgatgccgtt cgtggaggcg 1260
actctgcctc gaaaactggt ctttgacctg cttgatctat atttcaccag cgcgttttca 1320
actcacatgc acccgtatg ccatcatatt cattgctatg tgctgcggaa ggtttccttc 1380
ctcagcaaag atgcgccacg acccagcagt ccggcactgc tttcgagtat gctctgggta 1440
gctgctctgg atgatagggc gttttcgttg ccgatttcgc ctccgcagcg gaaaaggatc 1500
tgccaatttc tctgcgtct cactatccgc ttgttgcgac cgttgattca tgtttccttc 1560
aaagatcagg gcggcgcgca gcagcggtt cagcagcggc cgcggcggcc accgaataac 1620
ccagcgttcg ccggcgctcg ccaggatcta ccgccacta ctgtgcacca tccgtttgaa 1680
ggaggaggag acgatagagg cctggtaggg cggcagcgtc gcttgacgat gtgattacct 1740
acatccatgt agcttctatc atctcgtcca gtgagcagaa ggcagccagt atgcgatggt 1800
ggcatgcggc cttcacccta gcgcgagagc tcaagctaaa tcaagagatc gaggtgatgc 1860
cgaatgcgac tccaagtgg aagggtcaag tccgccgttc ggatactctc taccgggctg 1920
ggatggggct gaccggggcc ccgtctttaa ttactcaaac ccaactcggc ccagtctcaa 1980
ttgcgtctgt gatcgccagg accagaacac catcacgaa gagcaccgcg aagaacggcg 2040

gcggacatgg tggcttctgt acatcatgga ccgccatctc gcactgtgct acaaccggcc 2100
gttggcttgc tggatgccga aagcgaagac ttactactac cgctggacga ggcatcctgg 2160
cagtcaggga tcatcacag taacagcccg aagtcggatg ggccgcaatg cctactctct 2220
gccgacaaga acaagcgtcg cctgtttccg aacttcatct gccatgatca ttctgtgttt 2280
ggctttttcc ttcccctcat gacgatcacc ggcgaaactca ttgacctgaa ccaagcgagg 2340
aaccatccga tgcttggcat gcgactaaac ggcaaggacg cgtggaatgt ccatgtaagc 2400
gaagttctac gccagctcga gatctacaag gctagcttaa ccacgttcgc cgctactaca 2460
tccgatccgg aagcgccgct gtccgcttat gcgcacgccc aatccgaaca tctaccagcc 2520
gagccatccc tctcgcaagc atacgcatgg cacacgcaaa ctgtcatatc gtatgcatca 2580
tacctgggtcc acgtgctcca catcctgttg gtgggcaaata gggatcccgat atccctgac 2640
gaggacaaag atttctggac ctctccccc gcattcgcat cgaccatctc gcatgcgctg 2700
gacgcagccg actcgggtcga tcagattctc cgatacgacc cagacattag tttcatgccc 2760
tatttctttg gcattcagtt gctgcaaggc agttttcttc tctgctgat cgttgagagg 2820
ctgcagaagg aagcgggcca aggaatcctt aatgcatgcg aggtgatgat ccgagctacg 2880
gaatcttggt tgggtgactct gaacaccgaa taccagcgaa atttccggca ggtcatgcgc 2940

<210> 20318
<211> 2970
<212> DNA
<213> Aspergillus nidulans

<400> 20318

gcggtctgaa cggcgctctc tacttcacct cgatggacgc agatggcggc ttgagcaagt 60
acgatagcaa caccgccggc gccaaagtatg gaactggcta ctgcgactct caatgccctc 120
gtgatatcaa gttcatcaac ggattggtga gttttctaga ttccatgaca tttgaggaat 180
agattagcta acgcttgctc agggcaacgt tgagggatgg gaaccctccg acagcgacgc 240
caacgcgggc gttggtggaa tgggtacttg ctgccctgag atggatatct gggaagccaa 300
cagcatctcc accgcctaca cccccaccc ttgcgacagt gtcgagcaga ccatgtgcga 360
ggcgattctt tgtggcggtg catactccga cgaccgctac ggcggtacct gcgaccctga 420
cggttgcgac ttcaactcct accgtatggg caacaccagc ttctacggcc ccggcgccat 480

tattcgacacc tctctgaaat tcaactgtcgt gacccagttc actcgcgacg gcggttccct 540
ttccgagatc aagcgcttct atgtccagaa cggcgagggtg atccccaact ctgagtccaa 600
catctccggc gtcgaaggca actccatcac ctccgaattc tgcactgcc agaaaacagc 660
gttcggcgac gaggacatct ttgctcagca cggcggcctc agcgccatgg gcgatgccgc 720
atccgccatg gttctcatcc tcagtatctg ggatgaccac cactccagca tgatgtggct 780
tgacagctct taccaccacg atgtgaccc aagccagcct ggtgttgccc gtggcacttg 840
cgagcagggt gctggtgacc ctgatgttgt tgagtctgag cagccgatg cctctgtgac 900
cttctccaac atcaagttcg gtccgatcgg ctccaccttt taagcgtgac gcttagtgcc 960
attgtacttt gagtatatgg taccaccgga aagacatttg agaacgttct tgtacatagt 1020
ggctctagat tctgccgggt taccaggttg ttctcctttt gtctcagtat atgggttaa 1080
aactggacca cttttttgag cagcgccagc acttgatttt gctttgtact ttcggttctc 1140
ctgttacttc ttcaaaattt cgaatggaat atcttgacat acaatacttt cttgagtccc 1200
aacaattctc tcagaaacac cttcaataat catgtagtcg agtgtcttcc tcaatcacca 1260
aagcagtggg aaagaaagggt agactcatgg cgccgctaaa tcacatgata tcagaggaca 1320
gcctctgctc tcaggcggga gttaacagga gtgtatgaac aataaagatc agaatagctg 1380
cactgggttaa catgtttgga acatcagcct tggctcggta caactaagaa tgaggctaga 1440
cttagcaagc cggacgtgag tcaatagatc gtttttgaag gcagagagag taaggaaaaa 1500
gcaaggaacg atgaagcacg tggcataaac tagtgatc agggataatg ctctggcttg 1560
ggtggagagt tggaaatgca catattgcat gagaatggc aatgctgctg tgttcctgca 1620
gctgagttct gaaaccaggc tggtaattgc tattcggtag tgccattgaa gctgatatcg 1680
acttaagact gaaatgggcc taatatatac aattgtagga catatcgtct ttttcatgtt 1740
agccgagagc ggccatcact cttgtcaatc tgaccaaagg taagagatga tgcacactat 1800
tgtctgtgct agttagacat tttcaatatg gtttgattgt gagatataat acaactgggg 1860
tattgcggat agtgtataga acgcgccatg atgtcaagggt tctctgctga ctgtttccag 1920
acaggtggaa atgaaaccat tagtgcgctt gtagcagtct tttcagcatc aattttacag 1980
gtccttcctg tagtagagtc ggtggaacat cccatctctg caagagtact attgataggc 2040
ggagtattct cggcccgcac ttacaaacaa aacaaattat cccaggaaag cttgaagctc 2100

cattccaaaa atccgacaat ccccaagggc agcttctgaa ttgcattcta caaaatccag 2160
acaactagac gtgtcttgcc acaatgttcg acacagtctg cacccttccg ctaagcgcag 2220
acctcttcgc gcaagcaatt cacccttccg aacctatcat ctcagtcggc ctatcaacag 2280
ggcatgtcca gacgttccga ctccccactg aagaagagga ggagcatagt gatgacgagc 2340
aggcgtcggg ctctagctcg cgcaatggca agggtcatat tgatacaatg tggcggacaa 2400
ggcggcataa ggggagttgt cgcacgttga cgtttgggat cgatggagag atgctgtatt 2460
ctgcgggtac ggatgggctg gttaaagctg cgaaggccga gacgggggtt gttgaaaaca 2520
agatcttgat cccgacggcg aaagatgggt gtgtgccatc ttgattatac tcaatggctt 2580
gtcattggct tcgaatgctg acaatttttc tactgcttga caggctcggtc gatgcgcca 2640
ccgttgttca tgcactctcc ccgcagacgt tactactcgc tacagactcg agcaaaactgc 2700
acttatatga cctgcgtgtc cttactcga aggtcgcggc tccgccccag cagacgcac 2760
gccctcacga tgactacgtt tcgtccctga caccgtccc ggcgtcagat accagtactt 2820
ccgggttcag caagcagtgg gtgacgaccg gagggacaac gctggcagtt acggatctgc 2880
gccgtggcgt gctcatgcgc agcgaagacc aggaggaaga gtcgctcagt tcgacgtaca 2940
tcggcggcct atcagccagc gggacaagcc 2970

<210> 20319
<211> 2974
<212> DNA
<213> *Aspergillus nidulans*
<400> 20319

ttcaacgagc tctcaaccat gtgcagcagt atatctgctg tgccaatata aagtagcaat 60
tggtccagga actttccgcc attaggcgat ccgtcaccca gcctgtagtg cgacagtagc 120
tacaagcggt cgtgtgaggg tctgctagag ttgagtagtg agtgacccat tatctgacag 180
gaagcgacgt aattgcccaa tccgctagtt gtggtttgcg ttcaaacgct ctagaaaact 240
tgcacctaaa gccttctatc tggatagcat tgataagtta gtattggata acacttcgtc 300
ggcatcattt agaagctttc taaaaagaag aatgccgtga tggtagcttt tgtttagtct 360
gcattcaatg ttcggacaac gtggaacgag tcatggatga tatcttgact attcaattga 420
gcgatctgga agatcaatca aaaaattaag acgatctgtg gaccagggat tggccaagca 480

agtttatcat tatattttgt ataaggaggg agagtgagga tatgttattc ggatgcgcg 540
 ggagctatta aaataagtac gtcattgtgt cctgttatgc gacaaaatcc tgtatagatt 600
 atgtcagatg attaatgccc tcaccgccct gacataaatg cacgtgatca taaacgataa 660
 gctaccactt cagataagga gattttattc ttcagcagag gaatcgtctg ctaccatatt 720
 catgtcatca tggctttcag ggcacgggtca aggacgatgt ttcgggtgggg tgctagtgtt 780
 agatctcggg tattaggtgg ttttcgcgga ttggcttccg tgtctgattc tacgcgggat 840
 gagaaaatct tgaatcaaca ttcatttata acttactgat ttcgtttctt ccagacccta 900
 cgatgtgggc gttatcggag gtgggtcatgc tggatcggaa gcgtgcgctg cagcggctcg 960
 ctcaggcgcc cgcacggcgt tgataacacc ctcgctctcc aatatcggag tatgttcgtg 1020
 taatccgagt ttcggcggaa ttggcaaagg cacgatgatc cgggaaattg atgccatgga 1080
 cggagtcgcg ggccgaattg ttgataaggc gggactcatg tttatgggtc tcaaccgatc 1140
 caaagggtccg gccgtttggg gtcctcgcgc gcagatcgac cgggagctat acaagattta 1200
 catgctgtaa gaactgctcg cgacagaaaa tctgagcatt gtggagggtta aagtggcaga 1260
 tatcgttatt tcgaaggaag atgttgggac gggctctgct gcgccggctg ggaaaatagt 1320
 tgggggtccg ttggaaacag gcgaagtgat accgacgagc cgggttgtga ttaccacagg 1380
 tactttcttg ggagggtgaaa ttcattatcg actcaaggcc tatccgtctg ggagaattgg 1440
 tgaggctgca acattcgggc tgagcaagtc gctacgcgaa gcaggcttcc agctgggtcg 1500
 gttgaagacc ggaacgccgc cgcggctgga taaaaagacg atcgactttt cagcgtgca 1560
 ggtccagaaa ggtgacatgc cgcctatgcc gttttcttat cttaatgaac gagttcaggt 1620
 ggacgaggac gtcagctta acagctttct aacctatacc aacaatgcct cccatgatat 1680
 cgttcgcgcc aatctggata aatccgtgca tattcgagaa accgtgaagg gtccgagata 1740
 ttgcccacg ttagaatcca aggttatagc cttcaaggac aagacgcagc accttatttg 1800
 gttggaaccg gaaggctttg cgccgaacga ggtcatctac cctaacggga tctcaatgac 1860
 tatacctgag gatgctcagt tcgaactact gaagacgatc cgcggtctcg aaaacgtacg 1920
 gatgctccag cccggttacg gcgtagaata tgactacatc gatccgcgca atctgtggcc 1980
 aacgcttgag aaaaaactga tcagcgggtc ctacctagcc ggacagatta acggcaccac 2040
 aggctatgaa gaagccgccg gacaagggat aatcgccgc gccaacgctg gcctgtcagc 2100

gcagggccga gaacctctca ccctcacccg ttccgacggc tacatcgga tcatgattga 2160
 cgacctcatt accaaggggtg tttccgagcc ttatcgaaatg tttaccgcac gcagcgagtt 2220
 ccgcctttcc gcacgatctg acaacgctga tcttcgtctt actcgccttg ccacaaaagc 2280
 cggcatcgta ggcaagaagc gctgggtcca cttcagcgac acagaagccc aaatcaaaga 2340
 actgcaatcg ctctcttcca acacaaagct acccctcgca gcatggggccc ggaaggggtt 2400
 aacggttcgc aatgacggca ctgtccgctc tgcacacgag cttcttgccc acagagccgt 2460
 cgggctcgac gacctgatcc cacatattga atccccatca ggcaccgcat acacagcgtc 2520
 ctcgttcgcg ccggaaatcc gcaaccgctg tatagtggaa gctcgctacg cgccttacgt 2580
 gttgaaacag gacaaagcgg ccgctagagt ccgtagatac gaggattttc ccatcccgct 2640
 tgacctggat tacaatgcta ttcattgggat cagcacggag gagcggcagg ctctagagcg 2700
 cgttcggccg gcgaatatcg gcatggccag gcggattgaa ggcgtcactc cagctgggtc 2760
 tttgcagctt cttcttcacg tgggacgtct agggcggagg caagagaatg ctaggcggat 2820
 tccggcagac atcgaggctg acaccgacat gtcagggctg gaaaagacgc ctgatgatat 2880
 ctcgacttga tcgatgtgct tcaatcaagg agctttcgtg aatggaggag gtgtacgagt 2940
 atgcgaatat gcattggcca tttacctaca tttt 2974

<210> 20320
 <211> 2976
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20320

ccgtcagatt ccgccgacga aatcacagga aaacttaacg aagtcttccc gtcgtcgatg 60
 gatacttctt cctcacccgtc ttccgggtccc ccggtagcat ctctcaaagg caagctgcat 120
 gtcaagattt cggaggggaa gggcctccaa ccgggggttcg acccatatgt ggtctgtgtt 180
 ttcgagtga acgaggtaat ttcgaagagc gttcaggacg aggagcaaga atccttgaaa 240
 cgacaacaga aggaactaga gcaatcggcc ctcgattctg gacgaccaat ggctattccg 300
 atgaaccgac agagtagcca taacaatact ctcgagagca cagaccacag aggacatgct 360
 cctatcacag atccacactg gaaccatgaa gcggtcttgt aagattatct tcttatccct 420
 atactttttg tcttcaaagt ttgcagtttc ctgatctttg ttgctatcta gtgatgtttt 480

cggtgaccag tctgaaattg acgtctccgt gtatgaccgc aatgactcgg aagccttcct 540
 aggccatgtg cgactctgcg tgaatcttaa ggaagataac agtcgcttgg acgggtggtt 600
 tcccttgaaa ggtcgggcag caggggactc ccgagtttcc ggagagattc atatggaaat 660
 gaggtttgag aagacggaga agaagcaggt cggaccaaat gactttcaaa tcctgaagct 720
 gatcggcaag ggaacctttg gccaaagtcta ccaggttaag aagaaggata cacggcgaat 780
 ttatgcgatg aaggtgctct cgaagaaagt tatcattcag aagaaggagg ttgcgcacac 840
 cgttgagaaa agaaatatcc tggttcgaac agctatggct gcttctccgt ttatcgtcgg 900
 gctcaagttc tctttccaaa caccacgga tctctacctg gtcacggatt acatgtctgg 960
 aggtgagcta ttctggcatc tccagaaaga gggacggttc caggagcccc gcgccaagtt 1020
 ttacattgcc gagctcatca tggttttgca acatctacac gaccatgata tcgtataccg 1080
 tgacctcaaa ccggagaata ttctgcttga tgccaatggc cacatcgcg cttgtgattt 1140
 cggctctgtc aaggcgaatc ttacgcagaa cgatacaacg aatacgtttt gcggcacaac 1200
 agaatatctt gccccggagg tactactcga tgaacaaggg tatacgaaaa tggttgattt 1260
 ttggtcactg ggtgtcctcg tctttgagat gtgttggtgc tggagtcctg tctacgcgga 1320
 ggacacgcag cagatgtaca aaaacattgc cttcggcaag gtccggttcc ctcgtgatgc 1380
 tttaagcacg gaaggacgca actttgtgaa aggctgctc aaccggaatc ccaagcaccg 1440
 cctgggagcc cagaatgacg cgaaagaact catggcgcac ccttttttcc atgacattga 1500
 ctgggaggca ctgggcagaa aagaggatcat ccacccgttc aaaccaagc tcaagtccga 1560
 cacagatacg tccaactttg acccagagtt taccaacgct cttgaaaaca gtaactcgct 1620
 aaatgaccga gctgcagctc ttgccaatgg gtttatggcc gcgtcgacgc cgctctctcc 1680
 agggatgcaa gctaatttcc aagggtttac ctttgtgaat gagagctcga tcgatcacca 1740
 tttcaagaac gaagtagggg atcgtatgga tgaggattac gagccaatgc atcgggtcca 1800
 tcgatctggg aattctatag atcaccgcat ggctggcggt cagaagactg gagatgcggg 1860
 tgagattttc aatgttgacg acaattttga catgtgatta tggctttcga tgcattgctag 1920
 tggagttgtg atgtctgcat atatcttgct ttttctctgc gctgtacatg ttttctctcc 1980
 gaataggggc tcaggatgag tctccgattt tgtctcgtt taacataccc cagaagattt 2040
 attctgtatc tcctttcatt catcccgcat cagctggatg taatgacttc ttggccattg 2100

ttcttatttt cttttctgat ttgcaccatt gttgctcata ttccgatatc aataacggag 2160
 gatgttcata ctctacgtcc cggctctattt ggagagaccg gcccatcgcg acatgcatac 2220
 tactgtcctt tcggttcttc ttgatccttg attctgtgat atcccgcatc gattgtctct 2280
 ccactaggct aacatgcctc tttcctcggg ttttctcacg cttcgaaatt tggcccacgc 2340
 gtctcgagtc attgtttccg gctaacgta ggggtttgca tatctggata ctagggtaac 2400
 aggaagcggg ccggtatagg taaatgattg atgtagtggc gttgtatggc agcatcggcg 2460
 caggtgatag ttccactgct ctttaccgtt gagagctgaa taaacctaca atttgcctct 2520
 cttctgtctc ctccaatcca aaaacaggac ctttggttag attagctcgg ctgcactttg 2580
 gtctcaagca gacgacaaga aaaatgggtg gaggcaaagg ctcgatctta ctatcttgat 2640
 ctgtataaac gtctgacgcc aaattggatg aattcgctt ttccgaccat ctaggcaggt 2700
 ttacgcggat ttgtctatga actgtccact gcctctaata ttcaagtcac ctttagatca 2760
 tttccagatc attttgaacc ctaagatcaa atgccgagat ggtatatgat agttgtacag 2820
 ggttatatca gtcacgtggc tttcaccagt cttattcaat acaaaacgta aactcgccac 2880
 atactttgta tgtattgccc ttgcggcata ataaaggcca aagacatatt aaataataaa 2940
 atccgtggac aaacccccac cagtcagtc acccgc 2976

<210> 20321
 <211> 2986
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20321

acggcctttc agatatcacc tatcaaatg cactacag tatagatgct gacgttccgg 60
 atcgccctcg tgactacgca ggaaaggagt ttcagctggg cggtatcggc atacgctacc 120
 tccccgattt tgatccttct ggtcgtttac ctgcaatgct agcggaggag aatataggcc 180
 aaaaagagaa acgtgactgg caagaactgg accatcaatt gcgggttggg tccacggcca 240
 gattctggga gtttactcct gtccctccga gccgctcaga ggatcaca tgggtataacg 300
 gcgaacagca gaaatctttg gcagcaacaa cgaaaacaga agagcaatac gaggagaaag 360
 agtatcgagg aaagggtactt tctcagattg agggctctac acaaaagaat gaacatggct 420
 tcaaatactc acaacataaa aagtccacaa gtgtcgagca tcagactcag tatatgagca 480

ctatgagctt ggaggttcat gtgaataccc gcggtgtgct attgccaaat ccagaggaag 540
atgaaatagc cgcgttcttt tgggtgtgta actccgaaga tgaacctcag gaggaagatg 600
attctttatc agttgtcaat atgggggtcg tattccaagg agaagaagag taccggagt 660
cgaaaatctc aaagggcgtg aggtttgagt gcgagcatga atcgacagaa ttagacctga 720
tcaaccgtct agtcgatatc gttcgactcc acgaccctga tattataacc ggatacgaag 780
tgcataatag ttcttggggc ttcattcatcg agagagccag gaagaagtac gacttcgatc 840
tatgtgacga gttatcgca gtgaaatcgc acgctcatgg acgatttggc aaagaagctg 900
ataaatgggg ctctgaccac acatcatcca ttcgaattac tgggcggcac ataataaca 960
tatggcgcgc catgagaagt gagatgaatt tgctccagta taccatggaa aacgttgtct 1020
tccatctcct gcaccggcga ataccacatt attcgttccg cgacctcacg gcatggtacc 1080
aaagtataa accgcgagac ttcattgaaag tcattaacta ctatacgtca cgcgtccaaa 1140
tgaacatcga gattctaaat gcgaacgaat taataccaag gaccagtga caggcaaggc 1200
tgcttggcat tgatttttac tctgtgttct ctcgaggctc tcagttaaag gttgagtctc 1260
tgatgtttcg aattgcaaag ccggagaact ttatactcgt ttcgccaagc agaaagcagg 1320
ttggtcaaca gaatgcctg gagtgccttc ccttggttat ggaacccag agtgatttct 1380
acaccagtcc tcttattgtg ctggatttcc aatctttata ccctagcatc atgatgcct 1440
acaactattg ttattctacc tttcttggga gagtccagtc atggagggga cgcaataaaa 1500
tggttttctt ggactataac cggccgccta gcatgcttga gctactcaa gatcatatca 1560
acattgcgcc taacggcatg atctacgcac tgatccgaag tgcgaaagtc gtccttgcg 1620
aaaatgctta cggagatatt ggagaccgc gtaatggtaa agactggaat gaaagttgac 1680
aaagatgacc gagcattgca gcgcttgctc aacaaccgac agcttgact gaaactaatc 1740
gcgaatgtga cttacggata tacctcgcc tcttttctg ggagaatgcc ttgctctgaa 1800
atcgccgaca gcatcgttca atcgggccg gaaactttg aaaaagcgat cgccttcatt 1860
cattcggtg agcgatggg tgctgaagtg gtttacggag acacggacag tttgttcgct 1920
tatctcaaag gacggactcg agaccaggcc tttagattg gcgaggaaat cgctcaagct 1980
gttaccaaca tgaaccccca tccggtaaag ctcaaattcg aaaaagtata tcacccatgt 2040
gtgctgctcg caaagaaacg atacgtcggg ttaagtacg aacacagaaa ccagaaggaa 2100

cccgaattcg acgcgaaggg cattgaaaca gtccgtcgcg atggtacccc tgctgagcag 2160
 aagattgaag agaaagccct caagctgctc ttcagaacag cagatctgag ccaagtgaag 2220
 agctattttc agagccaatg cacgaagatc atgcaaggac ggggtgtccgt tcaagacttc 2280
 tgctttgctc gagcagtaaa gctcggaaaca tacagcgaga acggaacgct ccccgccgga 2340
 gctctcatta gcacaaagaa gatgctagag gaccctcgcg cagaacccca gtatggagag 2400
 cgcgctccctt atgtcgttgt cacaggtgcg ccagggtcac gattgatcga ccgctgtgta 2460
 cccccgaaa cccttctcca ggatgcgcaa cttgaccttg acgccgagta ctatatcact 2520
 aaaaacatca ttctctctct agagcgtatc ttcaacctag tcggagctaa tgtgcgtcag 2580
 tggtagcagc agatgccgaa agttcatcgc attcgccgtg tagaaggagc atcttctctg 2640
 gctggtggaa aaagcagcat ccggaccctc gaatcataca tgaaagcttc atcctgcgtc 2700
 gtatgtaagg caaagcteta tgatgccgaa atccctgtct gctcggattg cgtaacggcag 2760
 ccccatgtct ccttgcttga gcttgtctcc cgccagcgtc atgccgagca gagagttgct 2820
 actctcgagc gtatctgccg gtcttgcatt gatgtaccgt ttggtgatga agtgaaatgc 2880
 gacagccttg actgcccagt tttctatgca agaacgagag gtcttgccca ttggagacat 2940
 acaaattccg tgctcggccc tgttattaaa cttttacagg acaatt 2986

<210> 20322
 <211> 2990
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20322

ccacgcgcac atgaccgtct ttctctcttc cttccttggg cccgagagga caggctcagc 60
 caacaacaga taagcctcgt tcctgtccaa tcacgcacag gcttggcgtg agtttgacct 120
 gagtaagcgt ctccagaaag tcttctttga ctctccgcca agaaaacctc tccccccaga 180
 ctttctctaaa actctgcccc cgagtggttg atcggcatcc cacatatctc tctccggaat 240
 accccgctac gatgatcgca cggtagacatc taggtgcgtc tgactctggg cattggacag 300
 ataggagatc ggacagtcgc cgaatttgag tcatgccatg atgcaacccg tcattctccg 360
 gctctcgaat cccagcctgg ccagtcagg ggatatttct gccaacgcac aagccgcatg 420
 gggctatcgt caaggggtctg ttgcctgact ggcctatcga ggcccgcagg cctagccaat 480

tctccgaaat tgcctcgggtt ttcgataatg caccctcatc ctccgggggg ctctttcgtg 540
gcagctgagc tgccgagctg agctgccgtg cttctatctc ttggcaactg gtcctcttag 600
caccgtcctt ccgcgagAAC gcaggtagga cccgtcattt taacatttca agggacttgg 660
taccttcagt gatgccgtgc ttaaaagggtt tctcgggctt cggcaatcct tcctctgcct 720
tggtcacgg cattcccttt gtcttgTTTT ttgccattcc accgccacgg cagaaatttg 780
tgtagctag cgtgcctcgg cgtggacgtt gaatccactc attcccccg atccagccag 840
ggatggctgt gcgcggcgcc tcgcgtgcaa ccccgattg cttaggccct tggcaagggc 900
ttggctcacg cggattcagg ccgtcgtgga gctggctcgtg aatgcaatgg cagccatgag 960
gggcctgtgg agggaccggc ttcgaggga atgccggcgt ggggggtagt aatagagaaa 1020
tggggaaacg cgggatttgg ggattttggg gtaatcatat ttgcggtttg ctgctgttgc 1080
acatcctccg cagcaaatgc gacaccgatg ccggcggatg gaggggcaga cggcagacgg 1140
cagacggtat aaagtcgggc aaagccaccg ggccgctcga gaggtgcagc cgcttttgct 1200
ttaatcgtgg acattgctta gagcccgaag cgaaatcgtt ctatctcatt tcaagcttcg 1260
agcatgcctt cgcaaaacga gcccgctgag cctatccctg acgggatcct cgccgtcgcg 1320
aagcagtcct ggggcgacct cttccgatgg aagcagcgtg ttatcattga gaacgagcag 1380
ggcgagtcgt atgcggaatg gcaagacccc gagccgttca agaaccocat cagtcttctc 1440
atgctgctga gtgcccgtga ctggctcttc ttctcgtcgc gccttgccgc gtggaccgca 1500
gatgcgtttg acttccatgc gctctctatc cagcaagtca agctggccga ttactacggc 1560
aaaacgaaga ctgacatctc cacggcaatc actctcacct tgctctgcgc agtgctcgggtg 1620
ccgccttttt cggctctcgc ggccgaccgt tcggccgtaa gtggcctatg gtcattaaca 1680
tgattgtgct tggagtgtg cagattgcaa ccatctacag cagcaccttc cagcagttcc 1740
tgcccgctgc gagtctgttt ggccctcttca tgggtggcgt gtatggaaac gctatcgcca 1800
tggttttga gcactgccc tatgaattcc atctaactga aactccagaa ccgttccagg 1860
ctgattgctc gcagtgtcag cggccgtggc ctcatgtctg gaatcctcca gcagggttac 1920
tctctcggct acgttttgc gcgctgcgcc aatctcggcg tgggaggcgg gaccgagacc 1980
tacaagaccg tcttctggat tgccggtgcg ctctacaacc cttcccagcc acagagatat 2040
gctaacatat accagccgga atctccatcg gcattggtct catccgagtc ctcttccccg 2100

aatccaaaca attcctcgag gcaaaagcag ccggcaagcg ctctgttagc gccggtgaat 2160
tctggagaga aaccaaagtg atggtcggcc aggaatggaa gatctgcgtc tactgcatct 2220
tcttaatgac ctgggtatgt ctttcccatc tcctctgtg agaagagcct tgctaataa 2280
tgccatacca gttcaactat tactctcaca cgtcgcaaga ctctacaca acgttcatgt 2340
tgacgcagaa agaactcgag aactcaggtg cctcgcgtgc ctcgattctt atgaagacag 2400
gcgcctgtgt cggcggcaca atcatcggct acctctcca gtttgttggg cgcgcgcg 2460
caatcattat ctcggttttc gtctccggtc tgataatccc cgcctggatc ctcccacga 2520
cggagcgtc gctcagtga acgggcttct tcatgcagtt ctttgtccaa ggtgcttggg 2580
gtgttattcc gattcatctg aatgagctct cgcgcctgc gttccggtct ctttcccag 2640
gtatgcctat ccatctcacc tcggcagaag atacgtgcta acaaaaagca ggtctaactt 2700
accaactcgg taacatgac tcctaccgt ccgcacagat catcaacgcc atcgccgaga 2760
agacattcat caagggtccg tccgggaacc ccgtagaggc gtacgggcct accatggg 2820
tcgcacggct attattgcaa cgggcatcat ggtcacaaca gcgtttggac cggagaagcg 2880
tggtcgtcgc tttgagactg ttgttgtggg tatgcaggag cagaatcgga cggataagca 2940
gctggatctt gaggccgatt ctaagcctgg ggaggagacc gttgagcggg 2990

<210> 20323
<211> 2999
<212> DNA
<213> *Aspergillus nidulans*
<400> 20323

tataacgctc ttaaaacgtg tgctgtcttt gctcagatct gggcatcagg caatcgaacc 60
aagccaagaa acagtggaca gtagcgggca aaacaacggg gacggcgata tcctcgccga 120
tgccataacc caacatgtgc ggcacagtt catgtcccag ttgcctcgct ctcatccaag 180
gtctcctgtt caaagcccaa tccatgatgc ggtgctcaac tcgggtaagt tgttggaacg 240
tttagagcag acgcgatcct caaatgatcg acagccgagt cgggatatat ctttagatgc 300
gcagcaatta caaccaatat atgggcctaa tgcagtaaga caacgaaata cacatcatat 360
gtctacaagc aatgtgagtc acgtgcaccc tgaaaagcaa ggagcagcag aaggagacag 420
aggaacaccg acaagtgtta gttccgaacc atttataact caggctataa atcgtccatg 480

ctccgaaaag gcaaccagac aaaacttttc gccgcaaaaa gcagagcggc agtcaccaag 540
 aggggcagtt gagaggtcag gatactcaaa ctgcctgaa aggcaaccac agtctcagct 600
 tcaatcttgt gaagatggca ttctctgcc ggctagccct gataagaatg cgaaggcaaa 660
 aattgccgat ccgtgggaag gtatgacagg aatcagcagc gttgatgtta cagtgcctgc 720
 cgatcagaaa gagcttttgg actccaaccc aacgccgtgg tatccgcctc cggatggatg 780
 tcaactagcg tcaggaaacg tgccaagggc gctgctggct gagtggaatg agttggcttc 840
 ccgacggaat caaattgaag acaataagcc aaaaactgtg gatgatactc gtcctagcac 900
 gccggttagt gagacgtctt ctgagtcgct tgcagattct tgggttgaaa cgcccaatcg 960
 aacaccagc cgtggcgtgc tgctgccgag ggatagtagt ccgctcagag ataactccgt 1020
 gcgtcctcag agggcgcaga gctcagggga ccaacatagc cttgaaaaca acacagactc 1080
 gcatatgcag atggctcagag aggaaccagt gtccgagctt gatagaaata cagacccgat 1140
 atccaaagcc tcggtagctg ctatggctga gccaaatgcg aaagccattg cgccagatat 1200
 ggtttgcat gatggcggcc atgttttaga ggacaccag tcaaactcga ggatggcatc 1260
 tgatgacagc aattcgaact caaagataaa caatgcgcca ggcgccaggc ctatcgcccc 1320
 aggcataggc cacgatgacg ggcattatac caatgtcaat tctgaatcac agaaggaccc 1380
 tgcggtagat gccgggcca ttgccaaggc ccaggttgac aagggttatc aatcggacgg 1440
 cagttctaata tctgacgatt ccgagaaaaa cgaagctcca gacgttgaaa tctctaatac 1500
 agaccctgct cttgggggag agcaggaatc tgaaagtagt tctgattcag aaatgagcgt 1560
 ggcaattccc cggccgctaa gtggtagcac gcaacaagag acatccaccc aaacagtatc 1620
 aagcccagag ccgtctcttt ctgaattcgc ggggcaaaat gttcaggtgg tggaaccccc 1680
 agcggttctc agcaaatcgc gtcccgtact gtcgggccag gatgcttcaa gaacagacct 1740
 cactgaaagc cagtctcaac cagacaaatc ctccaatca cgcattctca acacctacgc 1800
 cagtcatgaa ggagacagca atggagggac atcacaatgg aactccatgt ctctccagc 1860
 aagtgcgcca gactctttaa gttgtgtaca tgtaatgggc acccggttga gcagccaagt 1920
 ctcaccaacg caaccaactc cacggtcacc atcgaattct atccatacat cgtcggggcc 1980
 gaatgttgc gagggtagtg tacctgctgc ttctttatac caaaccagc cgtccaaggc 2040
 ttctcatcc catcacgaac cgcattcgtc atccatgttg tctatagacg atctcctcaa 2100

tccaagcata caaagctctg tccaaggcag ctcttttaga cccgaccgca cgtctccact 2160
gaaacgcctt gcatctgaaa ctgacagcga tcgcggtca cccttgaaac gaagcaaatt 2220
agatattaag cctacggtag tcaaagcaga aggcggactt gacgagacta ttatcgcccg 2280
ccaccagaac tacatcatca actcagcaca gtccgtcgaa gcagcaggga tttatgaaaa 2340
attccgcggc gactaccoga attatgccgg taattatgaa cactttataa aattgtgttc 2400
caggttgccg tcatttcggg aaaggggtag tctacaaagg tcatttctgt gggatgactt 2460
catcatcaaa aatcttgata cttatccttc ctaccttgcg gagtgccact acaaccacat 2520
caagcccttg gaatacgaag agtatttcgc agagaccttc tcaaagccaa cttataaaag 2580
acgcagcctc gacattccag gaatcaacgc gtgcgcggcg caggttgtca ccatcgatga 2640
gtctgtcgag tcacgggagc cggacgacgc aaaaacgtca ttcacagcaa gtctcaggga 2700
gcagctttcg aaactccata ctcatcctt tgcggtgcaa gacccaacgt ctcggaatgc 2760
agtatctgaa gatgggtcaa acgccgcaga gtcagattcc acatcgcaat acagcattcc 2820
cgacagcgag cccgctcgcg ctgcggcccg ggaacatgac gatgattaca tgaacatcga 2880
ccacctacag gagacagatg acctgcatac tgtatgggaa aacagcgacg aagacatgga 2940
aaacaccggc atggacgttg atgtcgatga tacgggccac gaaacggcga gcgttgagc 2999

<210> 20324
<211> 944
<212> DNA
<213> *Aspergillus nidulans*

<400> 20324

ccctcgatgg gcctgctcaa cagcctgggc acattgcacg catggacaag cagctaccaa 60
ttgaccgatt actccgagtc tgagattggg tggatatatg ggcctatgc cttctttctc 120
tacgttgccg gcgctcaaac cgggcctatc tttgactgct acgggccggt atatgttgtc 180
gtgccgggat caatagggat ggttgcgctc ctctctgtt tcagcttcag tactggtgcg 240
tcctctactt ccgacttgaa tatttggcat gaggcagttg ctgatcccg ctcagagtac 300
taccaaactc tcctctcctt cagcgtcctt gggggcctct cagcttgtag cctcttcaac 360
ccggccatct cagtgatcgg aactgggttc aatattcgcc gtggcctagc gaccggcatc 420
gcctgcaccg ctggcggcct aggaggcggt gcattccac tgatcatcat gtacgcggcc 480

ccgaagatcg ggttcgggtg ggcgatccgc atcatcgcca tattgtcggc agtcctccta 540
atggtcgcct gccttctgat gcgcactcgt ctccctcgac ctacgggaaa gtcggctgcg 600
attgacttca gggccctcag ggacgccaga tatgccagca caaccgccgc cgtcttcctg 660
gtcgaattcg ccgtcttcgt cccgattaca tacatcagca gctatgcgct gcatgcgggc 720
atcgatacca cgctatccta cgctcttatt ccgctcctga atgccgggtgc tgtgcccggg 780
cggttcctgc ccggcctcgt agccgacaga ctgggccggg tcaatgtgat gatcgccaca 840
tcccttctct gctcgatcct caccctcgcg ctctggatcc ctgtcgacgc cagtccggcc 900
ggagtaatct gctacgcgat cctgtttggc ttttcaagcg gcgc 944

<210> 20325
<211> 945
<212> DNA
<213> *Aspergillus nidulans*

<400> 20325

ccgacgggtg taccagctta tggtagacaa tgccgaagat ctggcaacac ttattacgtg 60
ggagaacgga aagccgctcg cagacgcca aggagaagtg aattacgccg ctagcttctt 120
cgaatggttc agcgaggagg ctctcgcac ctacggcgac actatcccgg cttctgtacc 180
tggttaaccgc gtaatcaccg ttaaacagcc tgtcggcggt tgcggtctga ttacgcctg 240
gaacttcca gctgccatga tcacacgcaa gattggacct gctcttgctg ccggctgcac 300
tgtagtcaca aagtcaccgg gagagactcc cttcactgcc aacgctctcg cagaactggc 360
aaaccgcgct ggtatcccca agggagttgt caatatcggt acagccatga agaacacccc 420
cgaagtgggc gagatgatca ccacacaccc agacatccgc aaggtctctt tcaactggctc 480
aaciaacggtt ggcagactct tgatgaaaca atcatcctca actatcaaga aggtctcctg 540
ggaactcggc ggcaacgcc ccttcacgt ctctgacgac gtcgaggacc tcgatgccgc 600
tgttaccgga gcaattgcct ccaaattcag aagctccggg caaacttgcg tttgcgctaa 660
ccgaatctat gtgcaaaagg gcatttacga cgaattcgtc cagaagtttg tcgagaaggt 720
cagaaacttc aaagtcggtg ctggcttcga agatgggtgtt acccacggcc cggttattca 780
tgatcgtgca gtcgacaagg ttgaccagca cgttcaggac gccatctcaa aggggtgcaa 840
gcttattgct ggtggccaga gacgttctga cttgggtccc aacttctatg accttacagt 900

ccttgcgaa atgaccaagg atatgaagat tgcctcggag gagac

945

<210> 20326
<211> 946
<212> DNA
<213> Aspergillus nidulans

<400> 20326

cggtcattgt ttcgaccgag gatctgcgaa gaagaagctt gacttcttct tgaagttctt 60
tcaagtaagc ttgcttatgc ttgatgagt aagcttaggc taattgttta gtactacatt 120
tgtaccaaag acccaactgcc gatggacatc gacttccttg tccaagacac gtactctctc 180
acccgcccgc aatggaccct agttacggaa ctagacgaag ctagccgtat cttcggcgag 240
gctgttgccc agaatttcaa gccacaagag gagaagcctg aacccgagga agaatcggag 300
gatagtggat cagatgagga tctggaagaa gacgcatttc cagaggccga cgaggaagga 360
gagtcgagt atgaggccga tgtaagtga ccagcatact ctgctgatca atgctaacaa 420
ggcaggtctc tccaaacgct gagcgcaacg acgacagcga gtctgaggaa gaacaaatat 480
tcgtcaccgc tcaagaagag gaacgagacc ccgaggccga agccgagttt gatcgtgaat 540
tcgagaaaat gatggcgga agcgttgagt ccagaaaatt cgagcgcaag gctgtgtttg 600
atattccttt accgatgaga cgcgctgccc gtgatccac tgcggaagtc acagccgcga 660
attcaacccc agtccccgtt tccctgcctg ctcagtcgtc cggtagaatg gcgttctctt 720
tgatgaccaa gaaaggcaat aagcagcaga ctcgtactat cgatttgcca tccgactcca 780
cttttgccgt tgccatgaga agccagcagc aggcgatag ggaggagcag cagcggatca 840
agaacctggt attgaactat gaaatgttca acgagacgga cagtaccgaa ggtgggttta 900
ctttcgctta tcgcatgaat tccaaggagc agggggaaaa gcgaca 946

<210> 20327
<211> 946
<212> DNA
<213> Aspergillus nidulans

<400> 20327

tgccgtagcg aagactggct caatactgtg ctgactaca catataattt gggcacaatc 60
atctttcttc tccgtccgct gcctcgtttt cttcgccctt tggttgcagg tcttcttccc 120

caagtcgcc acgcaagaaa gatccttgat cacgtcaaga atgatatcat cgtccctatg 180
 atccttgagc gccgtcaaaa agaagccaac gattccaact accggaagcc ggacgatttc 240
 atgcagtgga tgatggatac tgcagacaat gactatgata agcagcctgg aaacatcgca 300
 caaggtctca tgattatcat ggctcttgct gttatccaca cctcaactat caccatcacg 360
 caaagtctct acgatcttct cattcgctccc gaatacgtcc agcccccttcg tcaagagatc 420
 atcgatacac tcaagcatgg atgggcaaac gctaccaggg cagactttgc tactcaggtc 480
 cgctcgata gctttcttcg cgagtctcag cgctcaacc ctacccatga agtcaacgtc 540
 cagcgcatcg ccaaagaaac tctcgtcttt aaagatggat tcgttggtcc caagggcacg 600
 cacatctggt tcgcagctgg gcccttttct cgcgatccag agtcatcgca tgaccccgaa 660
 acctttgacg gtttccgctg gtgcaaggat agacagtaca acaagaaagg tcacaacaac 720
 agccttgctc ccctcagcaa gctgaacctg cactttggat atggacgtca ggctgcccc 780
 ggtcgattct ttgctgaaaa cacatccaag gcgatcctca gccgtcttct tgtcgagtac 840
 gatctcaagt tcccagaggg taaggaggga aggaggcctt ggaacatccg caatggggag 900
 cagattgtgc cgaacgtcta taccaagggt ctgatcagga agcgcc 946

<210> 20328
 <211> 950
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20328

tgtacgtcaa ccaaagtga cgagtttaga tgaagtagca gacagctgac acagccctgc 60
 aacaggcccc agactcgtga gcacttgctg cttgcccgcc aagtcggtgt ccagaagatt 120
 gttgttttcg tcaacaaggt cgatgccgtc gatgaccctg agatgttgga gtcggttgag 180
 ctggagatgc gtgagcttct taacacttac ggcttcgagg gtgaagagac ccctatcatc 240
 ttccggtccg ccttggtgctc tctcgaggac cgccgtcccg aaattggtac tgagcaaatt 300
 gacaaacttc tggaggctgt tgacacttgg atccctactc ccagcgtga cttggataag 360
 cccttctga tgtccgtcga ggaagtcttc tccattcctg gacgtggtac cgtcgcctcc 420
 ggccgtgtcg agcgtggtct tctcaagaag gatagcgaaa ttgagatcca cgggtggcgg 480
 gaagtccaga agaccaaggt caccgacatc gagactttca agaagtcctg tgacgagtc 540

cgtgccggtg acaactccgg tctccttctc cgtggtacac gccgtgagga tgtcaagcgc 600
 ggtatggtca tcgtgtctcc tggctctatc aaggcccaca agaagttctt ggtctccatg 660
 tatgtcctga ccgaggctga ggggtggcgc cgcagcggat tcggttccaa ctaccgcccc 720
 caggcctaca tccgcactgc cggtaagtct ttctcgaaca atttgaatgc catcttcggg 780
 catcatcgtc gttctaacca atgttttagac gaggttctgt atctcacctt ccccgatggc 840
 gacctaagcc gtcgtgtcat gccgggtgac aacgtcgaaa tgattttgaa ccttaaccgc 900
 cctgtcgccg ccgaggctgg tcagcgcttc aacatccgtg aggggtggccg 950

<210> 20329
 <211> 952
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20329
 tcgccatcca cgtttctagg tgactttctca attggaaacg aaggcgagga cgacaatcaa 60
 aacgacgagg aagaagaaga ccctatatac agcatgagtg cgctggacct cagcgagggg 120
 gtgcacgacg agccaatgaa actatcagcc acattatcga acccatcttt agagaaaccc 180
 ggcaatatac caagtcagtc gttcacattc ttgagcattg acggtgcgca aagagaagca 240
 agcggtatgg acttgctggg gcggtatccg ttgacaaagg tggatggcg gcaactgatg 300
 gaaatcccgg atgaggattt tgccaacgag ttgaccgca ttgattggat aatgttcaac 360
 actttccgac cgcgagatct tgtgcgacat gtgagtatat ctggaccgga caaggataag 420
 atccagagtt tgaagcatgt caaccgcatg atcaagcaat ttaatcatgt ggcattcttc 480
 gtggcaagtg taattttgtt gcgggataag ccaaagcacc gagcacgggc attagagaag 540
 tttatgaata ttgctcagg aagtccgcca ttctactgtt acctgacctg gctaattcat 600
 cctagaaact acgccgcctg aataattata attcattggg tgcggtcatt gctgggatta 660
 atgggacacc ggtacatcgg cttaatcaaa cccgcgagct tgtcccgccg caggttcaca 720
 aagacttcat gagactggta attcttatgg gtactcagaa gagccatttc gcctaccgac 780
 tggcatggga caactccttc tccgagcgca ttccgttttt accactccac cgccgcgacc 840
 tcgtctcagc cgaagagggt aacaggactt ttatcggcga caaccgcaac cggattaact 900
 ggaagaagtt tgaggtcatg ggcgaagttg tgcttggcat tcaacgcagc ca 952

<210> 20330
 <211> 956
 <212> DNA
 <213> Aspergillus nidulans

<400> 20330

```

ttgcgccctt gcccaacatt cgcaggctag taatggccat aatgtcgaag caagtatgtc   60
aaggcgcaag agtgatgaca gtacattcca agagcagttc tatgtcaccg gcttgaaccg  120
cagctcaaca tatgtgggca tattagcgat gggcaacacg actgagttcg ggaacggaat  180
agtcggtgga ggaggaaaag tttggaaggc gaagaagttc tcaacgaaat caggtagata  240
tccacttcta tggcgattta taagtattca gctaacagga aaaagacggc aactgcgacg  300
tgatctacga ccttgacttt tgctcagatg tcgctcactc agtaccctct aacccttcaa  360
tgaacatgtc cgaggttcgc gccaaatatg acaactatgc cgcaaattctt tacagaaact  420
tcaatttctc cttcaacaa atccaatgta atacctccaa cgaaacaatt tactcaatgg  480
cagtcagctg cgacgactgc gcgggcgctt acaaactcctg gctctgcgcc gtcaccattc  540
ctcgctgcga cgactactcc agcacatcca ataggactgc tgtcatggtg cgtaatgcgg  600
cgcaaccttt ccctaattggc accgagatca caaaccagac cctccgcgat agcccgatca  660
ccaatcgccc tagaaacagc gggctgattg atacggaaat caaccccggt ccatataagg  720
aagtgtctcc caatgtcagt ttctgccata acctcgtgcg aagctgtcct atgtcacttg  780
ggttctcatg tccaagcgga aagtacctga cttattctta tgataccagc gctgctccaa  840
gtggacgaat atcaaactct ttgtgggctg ttataatggt ttattttaca attgtgatgg  900
tgtttttagtc cttttcaaac tcgtcttcca atctgttacg cgctacgccc tatgca    956

```

<210> 20331
 <211> 959
 <212> DNA
 <213> Aspergillus nidulans

<400> 20331

```

caggctgcgc gaagaaggga tcagctccat caagatctac atgacttacc aagcgctgca   60
gctgagggac ggcgacatct tatcggtcct cttagccgcg cgcaaaaaca agatcctgac  120
catgatccac gctgagaacg gcgaggtcct cgactggctg acgcaccagc tcgaagcggc  180

```

cgaactgttc gtcctaagt accactcgaa ctcaaggccg ccgatcctcg aggccgaagc 240
 gaccaaccgc gcgatagcgt cctcgctaata cgcagacact cccatcctcc ttgtccacgt 300
 tagcgacgtc ggggcgacaa cacgcatccg cgaggcacia acccttggcc aaccaattct 360
 agctgaaacg tgcccgaat acctcttctt caccggcac gacctcgaca agccgggctt 420
 cgaaggagca aagtgcgtct gctccccgcc gccgcgggac aaaaacgacc aggaagcgat 480
 ctggacgggt ctcgacaacg gcacgtttgc catcctcagc tcggatcatt gtccattccg 540
 gtatgatgac gccgagtcg gcaagaagac atgtatcacg gccgagcacc ccgtggggca 600
 gttcaagtac atccccaacg gcctgccggg cgtggaaacg cggatgcccc ttgccatgtc 660
 ggccgggaaag cttgagctca caaagctcgt ccaggttttc tcaaccaatg cggcgaaact 720
 gtacggtcta tcccccgaa agggcgcgct gattcctggt gtttcagacg cggatttgac 780
 aatctggtat cctggcaaac tggacctgac ggtgacgaac gatatgctac atcataatac 840
 ggactacact ccgtacgagg ggcgtaaagt caccaactgg ccgagatata ctgttctacg 900
 cggccagggt gtctgggacg gcgataacgg aggggttgta ggccggaagg ggtatgggc 959

<210> 20332
 <211> 964
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20332
 aagtcattgg aacaagaagc aacgtttttc tggaaaaaga aatagctcaa cataggctgc 60
 ttgggcttcg tgaagtgaac tttgatctct taaataatgc tcaatactcc agatgtcaat 120
 ttgacaaaac gatgaaggaa tggatttgag atggtcgaag cgcaagtaca agagcgtggt 180
 caccaatcag agccgtctcc gcggagcaac aatttttatc ttatccccctc acctggcagc 240
 ttaacttgat cttaacaac aactaaaca ctgcgcaaca tttgatcacc cttacaaact 300
 cacaatgggt aaacgcaagc aatcaaaga tggtgacgtc tccatgggag gtactgaccc 360
 tgcgaccggc gactcctccg acgaagacat cgacatggtt aacgtcgact tcgaatgggt 420
 cgaccctcag gagattgact ttcacggaat caagcacctc attcggcagc tcttcgatgt 480
 tgatgcgcag gacctcgatc tttccggggt aacggatatg attctcgccc agccattgct 540
 ggggtccacc gtcaagacgg atgggaagga ctgagatccg tatgcctttt tgactgtggt 600

gaacctgcag gaacatgctg tatgtctgac ctacttgaag cgttgattat aggcagccta 660
 actaactgggt tttccgctca ggataaaccc ccgattaagt ccttaacaac gtacattaag 720
 cgcaaagcca gcgggacgcc ttccctctcc cccctcgccc aactcttctc ccagacgccc 780
 atcccgccaa tcgggctcat tttaacagaa cgactcataa acatgccctc cgaagtcggt 840
 cctcccatgt acgcgatgct gcaggaggaa atcacttggg cgattgagga gaaagcagcg 900
 tacaatttct cgcactacct gattgtttcg aaaacatacg aggaagtcga gtctaagttg 960
 gatg 964

<210> 20333
 <211> 964
 <212> DNA
 <213> Aspergillus nidulans

<400> 20333
 gttcatcgac tgtagatctc tttgaagtcg tgagccgact gaacggcgcg cttcctgtat 60
 tccatccgca atttctcgcc cagtgtatac taagcggtaa gacgaactta gtgcattcga 120
 tattgatgaa tctccatcgg aagttgaagt tctacacaga gggggatgac attgatgggt 180
 ttctagagat ggcgctggaa gatttttatg tggatcatga tgtgagcaaa atctacctac 240
 atttatgact tggctaacga gcaaaagggt ccacaacaag cagtgtctaa agagttgcac 300
 tcgtcctatg cggatctttc ccttgaagaa gagcctacag tcatggacga agccacggca 360
 gccattctta atgagaatct ggcgcggggt gctctaccac aactaactag ccaggaacaa 420
 gtccggctgg tcgacacaat tgaatgtgtt gccactgttg aaaaacaccg gcgctcgatg 480
 gatgacaatg ctgctcgcta tcttctgttt ttccgacagc atatgctgcg caggacacaa 540
 ggtatcgca ataatgacac agtatcttgg cgagagattg tttgggcttt ccatagcggc 600
 agtcaagaca tacttattga cctcgtatcg aggcagtttg gtggaaagtt gtcattgaaa 660
 gcagctcggg aaagtgggat attcatgtgg ttgtcgaatt ctgcaacaat tgtaagtcaa 720
 cgctctccc atgagaaaca tgggctaaat attcgcagcg cgagcaattg gaggtagttg 780
 ctcgaaatga gtacaccaag actgaagaaa ggaatcccat tgactgctct ttgtactacc 840
 ttgccctcag aaagaagaat atccttcagg gtctttggag gatggcgcac tggaaccgag 900
 aacagtccgc aacacagaaa ttgctagcaa acgatttccg ggaatctcgt tggcagacag 960

<210> 20334
 <211> 966
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20334

ctcgcgagtg ctgcgagtgc gtttgatata ggtggctcgcg gaacggacga agatcttact 60
 gcagctttgg agaatctcgg attagatgat gacgacaact cttcctctta ttcaaagcca 120
 gccccagacg ccgttgcccta cgagtcacat ttggccaatg cctgtggagt caacttaaac 180
 actcgtatcc tcgccttcaa gccgccgcct cctgagtcac cgaagccgat tgatctgcgt 240
 gctcagtaca accgtccctt caagtcacc aagtctaact cggtcagtt ccgccgaaga 300
 gtccagaccg ctccagaacg tgttttggac gtcctggcc ttcttgacga ctactacctc 360
 aatctcttgg attggagctc tggaaccaa gttgctatcg gcctagagcg aaatgtctac 420
 gtctggtctg ctgattctgg gtccgtagc tgcttgtag agacttctcc cgatacatac 480
 atcagtagtg tcaagtggag tggggacggc gcctacgttg gcgttggcct cggtagaggt 540
 gaagtccaaa tctgggatgt cgaagagggc accaacgttc gcagtatgtt cggacatgaa 600
 tcaagggttg gcgtaatggg ctgggtccaaa cacaccttat caactggtgc tcgcagcggt 660
 cttgttttca accacgatgt tcgcattgct cagcacaagg tcgccgagct ggtctcgac 720
 acatccgaag tctgcggtct ggagtggagg tcggatggtg ctcagcttgc cacaggcggc 780
 aacgacaact tggtaacat ctgggatgct cgatcattga gtgccccaa gttcactaag 840
 acaaaccacc gcacggcggg caaggtctt agctggtgtc cctggcaact caaccttctc 900
 gccacgggtg gtggttccta cgaccggcac attcactttt ggaacaccac cactggagct 960
 cgacac 966

<210> 20335
 <211> 975
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20335

agtgggtgta gtgtttgtgc tgagaaagac tactgtgcag attccaacat caatgtcata 60

gtcctcgctt tcctgatgac tatcaatgga cccggcggtg caccggaaat cgacttctca 120
 atatcatctc aaggggtgcac gacgttcaac gggacgaact tgaaaaactg tcctgagatc 180
 gggatatagct ttatcccaa tcccatttga tacaaggcgg ctaacctccc cagcgaggac 240
 ataacgaaat gtcaagccgc cggcaagaca atcctcctct ccatcggcgg cgcaacctat 300
 agtgagggcg ggttcgactc tgcaaccgcg gccaacgcag gggcggacct tctctgggcg 360
 acgttcggcc cagaccagaa tgatacgaat attcatcggc ccttcggaag tgccgtcatc 420
 gacgggttcg attttgactt tgaagctgca gtcacaaaca ctgggggtgtt cgcaacgaga 480
 ctgcgcgcc tcgcggacgc ggacacttcg aagaaatact atctaaccgc ggcaccgcaa 540
 tgccctacc ctgatgctgc aggcaaagac attctgaaca caaacagttc tgccgcgatt 600
 gacgcggttt ttgtacaatt ctataacaac tactgcggcg taaacgcta cactcccgct 660
 cgaaacacgc ctgctggcgc ccgatccaaa gccggataca agcttagggc tcgagaagat 720
 cggtagggcc gtccgcacgc caactcaggc tcgggtaacc aagctgcggc gagtaacttt 780
 aacttcgacg tgtgggacaa ttgggctctt acgcagagca agaacaaaaa cgtgcgcgtg 840
 ttctgggcg tgccggctaa tacgggcgca gcaagcacgg ggtacctgcc cattgagagt 900
 ctggagccgg taattagcta cagtaagggg ttgagagtt tcggaggggt catgatgtgg 960
 gatgtttcgc aggcg 975

<210> 20336
 <211> 977
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20336

tccgtcagag ctccggccatc tggtaaagca gtgtccgtgg atcttggtgg tttgtaaagt 60
 ggcgccgaaa gctcttggtt gggctttgct gccggggggtt gcgttggtgt ttcaaataca 120
 agaggtacct tttcccctta acagtaaaat taagaggaga ttgatgctaa cgatggatag 180
 agaatgagcg ccagattca accgcttggt gatcgagccg ccgccgttga caagccagct 240
 gaccctttga ccgtcttcga ctctctctc tcgagtacct tcccacagca cgaaaagaca 300
 gtggaccgac tcaagggcga agggcagacg ctcatcggcg cggggacatt aacgaccggg 360
 aatgcattga agacgataat ctccacgct ctcaatgatc ccgacatctt tcggaaactt 420

cgagcagagg tcgacggtgc tctagaaaat atggatattc tgtccatgtc tgatacggcc 480
 tacctcgaac gcctcccgta cctgtcagcg tgcataaagg aaggtctacg gatttcctac 540
 ggcgtcacgc atagactcca actgatcgcc gaagagcccc taatatactc aggagtgacc 600
 atcccagcag gaacaccagt tggaatgaca tcgatcttca tgcacgacaa tccagtagta 660
 ttccctcagc cgcggaatt ccgccagag cgctgggtcg aggcagattt tgagactgtg 720
 caggcaatga atcgccactt cgtccccttc agcaagggca gccgcatgtg tctgggaatg 780
 aacctggcgt atcgggagat ttacttggtg ctggcagtac ttttctgacg gtatgagatt 840
 tctctgagcg gggtgacgag ggaggatatt gagatggcac atgatttttt cgatcctgcg 900
 ccaaaggagg gggcaagagg attgatcgtt caactgcaaa agaggggggtg agatcagagt 960
 aaagaattct atgatac 977

<210> 20337
 <211> 985
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20337
 gccccggcac tcaggaaggc gtctttatgg gccctctcca gaggcagcatg cagtacgaaa 60
 aggtcaaagg gttctttgcc gatctcacia aggaacagct cagcctcact cacacaggcg 120
 gcaaggcctt tgacgacaag ccgggctatt tcatcaagcc aacgatcatc gaccgaccag 180
 cggaggacag ccgcattgcy acggaagagc agttcgggtc gatcgtgcct ctctcacct 240
 ggaacgatga gagcgaggtc attgcccgcg cgaacaacac ccgcatgggt ctcggtgcyt 300
 cggctctggtc gaggacttg gacgaagccg cgcggatcgc ggccaagcta caggcaggca 360
 gtgtctgggt taacacgcac tttgagagtg acccccgggc gccgtttggc ggacacaagg 420
 agagcggaat tggcacagag aacggtttgc atgggctgag gcagtgggtg aacttgcaga 480
 ctctgtacct gaagaagtga gcgtctctac ctctggact gtaatgtgta taatgtcttg 540
 tccgtaatca tgatcaggag taaatcctct gccaaaaaag tattgtgcat gcgcattagg 600
 caagtaggaa actttgcacc aaggcggggt gtataagtta ttggataggc agacctgttg 660
 gtactgagcc gaggggatgc ggccctggtc agccctaggt tgatgggtacg gtctcgccgt 720
 gatctcgagg acccgggcca tactcaaggg aggcgttgtt tttaagtga atgctaagac 780

aataagttgt gcccttgcac gtgaagcaat tcgatcaaga ctgaagatgt gatcaagagc 840
tctacactag tgaagagtct agacacaaaa caagagtact tgatatgtta attatatcac 900
cagcatgacc tcgtggataa cacttttagc ctactcaagt cctaactaga tcattatcaa 960
cttcactcgg tgctggtacc acagc 985

<210> 20338
<211> 988
<212> DNA
<213> *Aspergillus nidulans*

<400> 20338

cccggaagct ccgcaggacc atcgactaac caagccagcg aatgagtttc atccgacggc 60
gcatgcaaga acaaggcatg tcagtcgatg aagcgcccga ggatgatgat ataagatata 120
catacaactt cgcaccgggg aacgtcggtg ccatttatcg tgctgacatc ccagaccaca 180
acaagggtgc cgagcctcac cccgaccagg aacagacgga gtcaactgaa cccgccttat 240
cggagacaga tagtagccct ccagtcaatt acaagcttca gggatatgaaa tggagccttg 300
tcccattctg gacgaagcgg ctgctggatt atgggacact catgaggact atcaattgcc 360
gagatgactc gctggtcgat gatcgcgga tgtggacatc tatgaagcgg aagaagcgt 420
gtgttggtgt ttgtcaaggg tactatgagt ggctgaagaa ggggcctgga gggaaggata 480
ggatccgcat tataccggcg caaggacgga gatttgatgt atttcgctgg actctgggac 540
tgcgttacgt atgagggtga gtaacaagttt ggtccagga tgaattcggg ttgacaaagg 600
caggatccga ggagaagctt tatacgttca ccatcatcac gacctcagca cgtccatcgc 660
tgagctggct tcatgacaga atgccggtga tactggaccc aaaaactgag gcctgggatg 720
cttggttaga tcctaaacgg acgagttggt caaaggagct gcaggcggtc cttaaagcctt 780
acgaaggaga gttggactgc tatcaggttc cgaaagaggt tggaaaagtt gggaacaact 840
cgccgaattt catagtacca gtcgacagta aagaaaataa gagcaacatt gcgaatTTTT 900
ttctgaatgc gaagagcaag accgaactga cgaaggatga aggcgagggg gtccctgccg 960
agaaaaaaga tgatccgcgc attctgtc 988

<210> 20339
<211> 991

<212> DNA
 <213> Aspergillus nidulans
 <400> 20339

```

gattcagagg aggacccggc atctgaaggt ccatacctgc cttgagcgag gggcctacgg   60
tgtttgtggc cccccagtcg ctgattacca gaccattcca attccattca cggcgaaaaa  120
tatcaaacag tatctcgctg gatgcattca aagtgacatg cctcctctgc aagaagctcg  180
cccatcccct ggagaatata aatgtcccat gttgctgcta aactaacacc taacggtaaa  240
cgcagctggc acccattcac caaagatctc accccgagct ccagatggac catcaataac  300
cttcaaagtt agtaccaggc tacgtcgtaa tatcagaatg gacagttgct ccacgaacct  360
tgatgttggg tattgcaaga cggcttattc ctccgacgaa cccaacgtat ccgcagatta  420
tccgggcgag atgattacag agcacgctct gagctcgaag cagaaaaaac gcacatgaga  480
gcccggttat acggetcact cgtcgttctt tggaagctca acttcctcga cccctccatt  540
gcctttacca gtttttgttg cggctcttga tacgccatat tttactcatt tttcgagctc  600
tttccgctcg tctatgggtc gacttacaat atgactctgg gcaaaatagg cctctttttc  660
atatcagtca tcattgctgt ttgcctcgcc gggataactt gcgctctggt cgcgctcgatc  720
ctcgtgcctt cgggcttgtt catatttgcc tggactgcgc gaccagatat ccaactggatc  780
gagccaacga taggaacgat gttggtctcc cggaacgtg gtgattatca tccagcgtat  840
cgttgtctat atcacgatgg cgtatcctca gtacacggcg tcgctgttta gcgggaatgg  900
gttcgtcagg tgctcggtgc attcgcgga gttttgtgcc gcagccattg tactataatc  960
ttggcgctga atgggaaatg aaactcatgg a                                     991
  
```

<210> 20340
 <211> 991
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20340

```

gattcagagg aggacccggc atctgaaggt ccatacctgc cttgagcgag gggcctacgg   60
tgtttgtggc cccccagtcg ctgattacca gaccattcca attccattca cggcgaaaaa  120
tatcaaacag tatctcgctg gatgcattca aagtgacatg cctcctctgc aagaagctcg  180
cccatcccct ggagaatata aatgtcccat gttgctgcta aactaacacc taacggtaaa  240
  
```

cgcagctggc acccattcac caaagatctc accccgagct ccagatggac catcaataac 300
 cttcaaagtt agtaccaggc tacgtcgtaa tatcagaatg gacagttgct ccacgaacct 360
 tgatgttggg tattgcaaga cggcttattc ctccgacgaa cccaacgtat ccgcagatta 420
 tccgggcgag atgattacag agcacgctct gagctcgaag cagaaaaaac gcacatgaga 480
 gcccggttat acggctcact cgtcgttctt tggaagctca acttcctcga cccctccatt 540
 gcctttacca gtttttggtg cggcttctgt tacgccatat ttactcatt ttccgagctc 600
 tttccgctcg tctatgggtc gacttacaat atgactctgg gcaaaatagg cctctttttc 660
 atatcagtca tcattgctgt ttgcctcgcc gggataactt gcgctctggt cgcgtcgatc 720
 ctcgtgcctt cgggcttgtt catatttgcc tggactgcgc gaccagatat ccactggatc 780
 gagccaacga taggaacgat gttggctctc cggaacgtg gtgattatca tccagcgtat 840
 cgttgtctat atcacgatgg cgtatcctca gtacacggcg tcgctgttta gcgggaatgg 900
 gttcgtcagg tgctcgggtc attcgcggga gttttgtgcc gcagccattg tactataatc 960
 ttggcgtcga atgggaaatg aaactcatgg a 991

<210> 20341
 <211> 1000
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20341
 acggtgcgtc caccacttg ctctgggggtc ctgctgctta catatagtag aaaaggtaat 60
 tgagagaaac aaggcgact atgccaagtt tccggaagac gtctatcggg tgaaaaagg 120
 cgtcgaccat ttgaagcaga acaaggtag cgtaccatct gggacgctta ttctgaacg 180
 catccagcaa ctgggaatca tgtttggcat gcatggatg gccaatccat gacctgttta 240
 ataattcaga actagccgct aacaggaagt aggtgggctt gatagcgttc atggatttta 300
 agcctcaaag acatagacgg tccctctgct gaacctaat agatcttata ttgcgcgccg 360
 ccagcgatct ggaggttttc ggcttcctca cccatcctac tctggtggct attgatagct 420
 ttggcggctt cgacagcaat atcatctatg ctatcctcca cgagtcctc tactgccagg 480
 ggtattacaa ctctgactgc cctgcatcaa tatcgcta atcgctaact gaaacagaga 540
 ggctccaac tgggtccgag acagactccg gtcacgaac ccagtcttca gccttgacac 600

aaatgcacca gaagtccttt tcacgggaga gatggtgcgt acacatatca aacccgttcc 660
 atcaaggcca aactaaacat caaactaacc ccagacttga atagatatatac aaagacatgt 720
 ttgactctta caccgaactt aaccaagtca gagaagcagc agagatcctc gcctcaacga 780
 ccgactggcc cgccctctac gacgaggcgc agctagcgaa gaacgaagtc cccgtgtacg 840
 cagcgacata catagaagat atgtacgtac actacgatca ctcgcaaacc accgctgcga 900
 agatcacagg tattaagcag ttcattcacga atgcgatgta ccataatgcg attcggagta 960
 aatcagctga gctcttcaag cagcttattg tgctgagggg 1000

<210> 20342
 <211> 1003
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20342
 ccgaaaatat atacagacgt gcccatgccg attatcatca atcccccatc acaagcctta 60
 tggatgcctc aaccaatcc gtacgccgga tagtctctac cagatactta ccattggactt 120
 tatggtgagc ttgccaacta ccaacaaggg aaatgaccag atcttagtag ttgtcgacaa 180
 attctccaaa caaataggct tagtaccggg ctgcgtcgaga tgggatgctg cacaatgggg 240
 agaggaactg atattattta tgcagaccgc cgattggggc ttaccaatcc gaatcatctc 300
 tgatcaggat ccccggtttg ttgctgggtt atggagaggg atgtttcaag ctctaggggt 360
 cttatggctc tattccactg catggcatcc ccaaacagat ggtcagacag agcgatcaat 420
 tcaggtggtc gagactgatg cgccatcagc tcgtactgga accgaagttg cagggctggt 480
 gggagcgtct actgctgcct atccaagcag cattaaacag ctcaaaaaag acttcaaccg 540
 ggttatcacc gcatgaatta atgtacggcc aacctctccg acaaccctgg aacttgctcc 600
 gccgatgctc ggattgaacc tttgctctcc gccaggatgc tcaggaagct ctagcctatg 660
 ccgccatttg catgaaagag caatatgata agcattatca acctatgcat tttgaacagg 720
 gcgaaaaggt cctgttacgg cttcataaag gatataacat acccgccaac aagcgcctta 780
 gccggaagct aggacagcag tttgccggac cttttaaggt actacaacgc gttggtaagg 840
 ttgcctataa gctggacttt ccttcgaagc ttcaaataca ccccgctcgtg tcaatctcac 900
 agctcgaacc tttcatggag gatccttacg gacgatggcc cgataagcct ggccaacga 960

tcgatgagaa ctttccggat gacgatgac gatatgaggt cga 1003

<210> 20343
<211> 1005
<212> DNA
<213> *Aspergillus nidulans*

<400> 20343

aacgtccggg tggagggagc gaccatgac tcgtctacca aagcggcggg aatcaaaacg 60
tacccgagtg gcggggatca tggcctcagc actgtgacga acgtgacctg gaaggatatc 120
actattcaaa actgcgacta cgcgatccag atccagagct gctatggcga ggacgaggag 180
tactgcgaga ccaatccggg ggacgcagtg ttttccggaa ttgcctttga aggattcagc 240
ggcacgacaa gcagtaaata tgaccagta acaggaaacc ttaactgcgg ggaagacggc 300
aagtgcgatg tctccgttgt tgactattct gtaaaagccc cttcgggggg tggttaaggtc 360
ctttgtgcga atacgccgtc tagtcttggg atcagctgct cgtctggagc gtcgggatga 420
ggttatattg atcctgtaga tggctgtctc ggtgagagtg ctacaagggt gagcaaagtt 480
cagggcagat cagagtatgc taatgccatt cactcgattt gaatctcacc catagctgcc 540
gaaaacctca ctgtcaccac ctacaagaac agatgtctct gccaggcacg cagtgtctaa 600
atgtcctcag tattgtcaat gccgtcattt cacctacat gctcaatcca cggttgaaac 660
tagaggggca aactaagact ttctggggcc ggtacagggt cctttgcctg actcgggtat 720
tcttagagtg gcggaatcta aaggatgcat gtacaccgag ctggatgtcc tattgagaag 780
cgccttgaag cgaggaagct tacagcactc ctgctgaggt gttctccgtt aatcagcatt 840
atcacgaaaa ggaagagcag tgaccacggc gaaaggaaac cggttgccat agagtgatga 900
atctgttcta agcagaacgc aggcctcgaa cagtcgcat acccttctga tggggtttga 960
aacgcactga attgttatat ttcaggcggt aaatcatcgg gtttg 1005

<210> 20344
<211> 1011
<212> DNA
<213> *Aspergillus nidulans*

<400> 20344

tcgctacctg cgaggcgatg aaaatcgctg ctctgctgg cttagtctat accgtccgcc 60

tactcggaac tccagcagag gagtctggcg gcggaagat cagtctactg gacagcgggtg 120
catacaaagg cgtcaacgcc tgtttaatgg tccatcctgc ggcactgcca ccgggtcaag 180
ctaacctcct gagcgtagcg aagccgcccc aaggcgggtt cctggcaaac gacaaagtcc 240
gcgtaacctt caccgggaaa ccagcgcatt ctgccgcggc gccttgggaa ggggtcaatg 300
ccctcgatgc tgttgtagca gcctatgtaa acatctctct tctccggcag cagattctac 360
cctctcagcg ggtacatggg attatcgta atggcgggga cagaccgaat atcatccct 420
ggtcagcgag cgtggactac tatatccgct ccccgacttt ggcaacgctg aaaccactga 480
ccgagaaggt tgtgaaatgt tttgaggccg cggcgactgc tacgggggtgt aagggtggaat 540
tccagtggta ggtgtttcgc tgggggtctta ttcggtatcg caatctcgga ctcaccgtct 600
ggtatagggg tccctcatac gctgacgtca aatccaacga gcatactctgc gagagctacg 660
tctccgtcat gcgagccatg ggccaacatg tctcctcaa tagccccag ggagcagggg 720
gcagtgcgtc gacagacatg ggtacgtcac attacctaca atccagagta gcaactacct 780
ccaacaacag tttctcctaa catgacctcc tgaaggaaac gtatcctacg caatccccgg 840
cttcacggg atattcttca tttcggccaa aagcggcaac catactccgc agtttactga 900
tggggcgga tctcccaatg cgtatagacg agcgcttgat tgtgcggccg gcattggctgt 960
taccgcttgc tattttttgg atgatgatga tttcgccagg caggttgagg a 1011

<210> 20345
<211> 1012
<212> DNA
<213> *Aspergillus nidulans*

<400> 20345

cgggtgcagc tgcttcaaaa agtgtcgaac accaggtgcc tacaacagc aactacatta 60
ccccttggcc catctatgct gttgactggg gcaagtggcc gatttcagga aatcctgggt 120
cctttggcgg aaaaatcgct ctgggaagct atctagaaga ccatcataat tatgtaagat 180
ttattcataa tgggtggttaa tacgcttgtc acctatttct aaccaccgat ctagatacaa 240
atcctggaca ctcacctggc atatcccgac cctgatactc ctgatgccag tgccggggag 300
cttaagctgg aatacgtgaa atccgctgag gccaccact catatcctgt tacacgcatt 360
ctttgggaac cgcgctcgtc ccagaagcaa tccactgacc ttctagccac ttctggagat 420

catctccggt tatggtcatt accaaactcg cagcctcaac acagctctaa ctctatcaca 480
cgtccgctcag gtcagagaga tatgcctgca gctaaactct cgcctctggc gttgctttcc 540
aattcgaaat cgcccgagca taccgctcct attacatctc tggactggaa tacgatatct 600
cccagcctga ttatcacttc cagcatcgac acaacttgca ctatctggga tatacccaca 660
ttgacggcaa agacgcagct cattgcacac gacaaggaag tgtacgacgt gcgtttctgc 720
gccaacagcg ttgacgtttt cgtcagctgt ggcgctgatg gaagtgtgcg catgtttgat 780
ctccggagcc tggaaacacag cagcatcata tacgagccga cggagaagaa cgagaaatgt 840
aagccctata catgacaatg cttcttgatt ttgacgctg agaccatgcc attagtgatg 900
agccctggca atggaagtcc ctccgcacca actaccactt ggcccccgcc actgctgcgc 960
atttcggtta agccccagaa ctcccaaagc actttgaaca ctatactcat aa 1012

<210> 20346
<211> 1012
<212> DNA
<213> *Aspergillus nidulans*

<400> 20346
cgggcagcga gccctcatcg gccgctctg catggataat ccagcctttt gtccggacta 60
ctaccgtgat gaatccgcag aggcgtctat tgagcttaca aaagagacga tagcacatat 120
ccattctctt ccagatagtg ataaggaaag tgagagacta gtcaagccga ttatcacacc 180
acgcttcgcc ccaacctggt ccacctcagc acttacctcg ctcgccagc tcgctgcac 240
ccacactcca cccctgcaca tccaaacaca catctccgag aaccggaacg aagtcagtct 300
cgtccagtcc ttgttcccag aacaccgctc ctacgccgt gtctacgacg cgtgttccct 360
tctaaccat cgacgatcc tcgcgcagc ggtccatctc accagcccg aaaaagaact 420
cattgcgtcg cgaaacgcca aaatcagcca ctgcccggct tctaactctg ccttggatc 480
tggttagcgc ccagtaaggg acctgattga taatggaatc accgtaggcc tgggtacgga 540
tgtttcgggc gggatatagc caagtatcct tgaggctgtg aggcaagctt gtctcgtag 600
taggtgctc aggcacagca cggcatcgac gtcgtcctcg ggaaatagca cccaaaacga 660
gacagaaggg agggaggtcc tctccgtcga ggaggcgtg taccttgcaa cgcgcggcgg 720
ggccgcagtt atcgacatgc ccaatgagct aggaggattc gaggtgggaa tgttctggga 780

tgtgcagctt atccgacttg gagcaacagt ccaggaaacg ccgcagactg gttctcattc 840
 cgactcccg cccgttgttg atatcttcgg ctgggagtc tgggctgaga aggttcataa 900
 gtgggttttg accgggaatg atcggaacgt gaggcgggta tgggtggggg gtgcggttgt 960
 tcatgatctt gatgatggta gctgcgttgg tgaggagacc atgcttggac gc 1012

<210> 20347
 <211> 1014
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20347

ccctcaaata tacaagtatc gcggtctctg tttcaatggc ctatttgggtg attctgggtc 60
 tttaccattt catcattggg gacacaaaag agggccgggg tccgatccgt gtcattcgct 120
 gggcaggtgc tgttccgaca ctacagcagc tcccgtgat cgtattcgct ttacgtgcc 180
 atcagaatgt gtgtctctc ttggctgggtg gaaattgacg tgctaaccgc tgcagatgtt 240
 ttctatctc aacgagatta gcaacaacag ccactttaga acgacagcag tcgtgctcgc 300
 cagtattgga agctcagcta ccacctatat tctcgttgct attacgggtt acctgtcatt 360
 tggcaacagc gtgggaggaa atatcggtg catgtaccgc caggcgatg ggctacaatt 420
 ggacgtgccg ctattgtcat actcgtcatg ttctctacc ctctccaatg ccaccttgc 480
 agggcatcag tcgatgcagt cctgcattgg agacccaaac gcttcacgcg ttctcgaagc 540
 gaaggctccc ctacccgcca ccctctactt gccgctggtc cccgaggctc tcgaacacca 600
 gaaccaatga gtgaccttcg attctctgta atcacgacgt cgatcctcat tctgagctac 660
 attgtcgcga tgagcgtctc ctactcgaa gccgtccttg cctatgtcgg cagtaccgga 720
 agcacaagca tcagctttat cctcccgggc atgttctact acaagatctc agctccagac 780
 tcagcagcgc accagcgtct catgaaagaa gacgatgagg ctgaagacgg ttacatctcc 840
 ggtgcaagcg aggaagacgg cattcaatct cgttcactca ctgagagcgg gattctgcgc 900
 cgacacacgc gcaactggcg cagggtctta ctcagaaaac tgagtctagg gcttgccatc 960
 tacggggtca ttgtcatgat tacctgtctt gtcacgaatt ccgtcttct tgca 1014

<210> 20348
 <211> 1015

<212> DNA
 <213> Aspergillus nidulans

<400> 20348

```
cctttcaaac ataacggcat ccagggagtc atcatctcgg ccggcgcttt ccaatatccc 60
cagctcctta tggctctctgg tattggacct gcggagcagc tggcgaaaca tgggattgag 120
gttatatctg acttgcaagt cggacaaaat atgtgggata accccttctt tgcgctgagc 180
taccgggtaa atgtagaaac gcttaccagg gccgccaacg acctcctcta cctcggtacc 240
accttctctg actatacgac gaagcatacg gggcccttga cgaatcctgt tgctgatttc 300
attgcgtttg agaagattcc ttcgtctcac cgtacggctt tctcggtga gacagagaag 360
catcttgagg gattcccgga ggattggcct gaggttgagg tatgtggctg catgaccacc 420
ctacaatcac atttacatcg aaccaagact gaagccatcc agtacatgtc cggcgcaggg 480
tacgttggat cattcaactgg gctcatgagc accagccaa aggacggcta ccagtacggc 540
tccatcctcg gtatcctgat cacacctacc tcaggcggtg atatcaccct cacttcagca 600
gatacttccg accccccgtc attaatccta actggctagc aacggaagcg gatcaagagg 660
ccgcaatcgc catcttcaag tgcattcgtg acatcttcgc cagtacggg atggctcccc 720
tgattctagg cgacgagtat tatccgggta atgggacgca agctgatgag gagatccttc 780
ggttcatcca gaagaatgtt atgacacttt ggcatccatc ttgtacgaat aagatgggga 840
cgaaggatga tccgtctgcc gttcttgata gtaaggcgag ggtgtttggg gtcggggggc 900
ttaggggtgc gaatgcgagt tcatttccgt ttctgccgcc agggcacccg cagagtacag 960
tttgtgagtt accttgccgt tgtcttttgg tatcggtcgc ggatgctgag gattg 1015
```

<210> 20349
 <211> 1015
 <212> DNA
 <213> Aspergillus nidulans

<400> 20349

```
gctcctgcat ctgcaacctg tgcagctcga tatctctctg atgcgcactg aacgagtga 60
cgtagaggat actttgcagc cttccaatcc cttgatgttt attgtcgatg tgatgacaat 120
gtcaatgggc aatgtcaatg atgcgcctat taagctgaac gccctaata tagagaatgc 180
ccgcgtctct ttcctgtgcc tcgccagcaa catccgaaga cactataccc aggaatttct 240
```

tcgtcagatt cacgttgtac tcggctcagc ggactttttg ggcaatccag ttggcttgtt 300
 caataacgtc agctctggcg tggctgcgat cttctatgaa ccataccagg gccttgtcat 360
 gacggatcgg cctcaggagc taggctatgg tatcgctaaa ggctttggca gcttcgcgaa 420
 gaatactgtt tttggtttct cggacagcat ctcaaagctg acgggtagca tgtctaaagg 480
 tctggcagct gcaacacttg acaaggaatt ccaggaccag cgacggatgt caaagacccg 540
 caaccggccg aagcatgcgt tgtatggtat cacggctgga ggtagagcct ttggaaacag 600
 catcgtcagt ggtatcgagg gcattgcgcg gcatccactc catggcgcgagg agaaagaagg 660
 tatccaagga ttcttcaagg gcgtagggaa aggtttcctc ggcttggcaa ccaaaccagc 720
 tatcgcgccc tttgatctcg cttccagtgg gtctatctta ttgttattgt taaaggggga 780
 acatattact gactatcttt tagatcttgc tgaagtgta aaaaacacca caacggtgtt 840
 cgatgccgaa gtctcgaccg cgtccggctt actcgctttg ttggcatgga cggcattgtt 900
 cgaccatact ctcagcggga ggccctcggc gagttctggc ttaagacagc tgatgacgga 960
 aagtacttca acgaggatta cattgccacc ttgagcttcc agggcgcgac atgct 1015

<210> 20350
 <211> 1016
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20350

cagggaccgg gaagggcaac aactatgcct acctggtgac ggacgagccg acgaagcagt 60
 cggatcatcat cgatcctgct aaccgcctg agtagaatgc tctctccaca tatgggatga 120
 aatgaacagc tgctgattga tcgatgcgaa cagggtcgtc ccagaactcg aggcccaaac 180
 aaaagcagga aagattaatc tcacggctat tgtaaacacg caccagtgcg tactcaatct 240
 cgattagatc tggtcatttg attatactta cataccaata gccactggga tcatgcaggt 300
 ggtaacaacg aggttttgaa gacctttaag gtgcccgtta ttggcggaaa agactgtcag 360
 tccgtcacga agactccagc tcatggcgag gtctttaaga tcggagaccg gatctccgtg 420
 acggcggttc atacgccttg ccatacgag gatagcattt gctattttat gcaggatggc 480
 gagcagaaag ctgttttcac aggggataca cttttcattg gcggtatggt ttgcttgtct 540
 tctgttctcc ttgactcaac agactgagtg gattaatgct gaatcctctg ctgctgcagg 600

atgcgggcggt ttcttcgagg gtacggcgcc ggagatgcac aaggcgctga atgagactct 660
ggcctcgctt ccagaggata cgaaggctta tgtaagcggt cactctctcg tataaggcgc 720
aactgatca tgaatattta gcctggacac gactacacca aaggcaacgt gaagttttgc 780
ctcgctgtgt cacagtccga acccgtaag aagctgcaag catttgcgga ggcaaaccaa 840
cagacgcagg gcatgttcac aattggcgat gagaagcttc ataatgtctt tatgcgagtc 900
acggcaagtc atccccaccac aaccagtaga cctaaagctt atggcagcag gaccccgaga 960
ttcagaagaa aacaggcaag accgatcccg tcgaggatcat ggctgctctg cgcgag 1016

<210> 20351
<211> 1018
<212> DNA
<213> Aspergillus nidulans

<400> 20351
ctcgccgctg cccgctctat tcgagacgtc ctgcgccctg atgactacgt cattgtcggt 60
gagcacgact tgtctgttct cgactacctt tctgatttca tttgcgtgct gtacggtaag 120
cctgcagttt acgggtgtcgt gacattgccg tcctcggtgc gtgaaggat caacatcttc 180
ttggacggcc acattccaac cgagaatctt cggttccgag aggaatccct cactttccgt 240
ctcgcggaag ccggtgacga tttcgtgatt gacaaggcgc gtgcgttcag gtaccaacc 300
atggagaaga cccttgggaa cttccacctg aaaattgacg ccggtgattt caccgattcg 360
gaaattattg taatgatggg agagaacgga accggaaaga ctaacttctg caaaatgctt 420
gctggtgccg agaagcctga cggcaacgtt tcaattcccc gcatgaacat cagcatgaag 480
ccccagaaga ttacccccaa gttccaggga accgtccgtc agctcttctt caagaaaatt 540
aaggccgctg tcctgtcgcc ccaattccag actgatgtct acaaacctct caagatagat 600
gacttcattg accaggaagt tcagaatttg tctggtggtg aattgcagcg tgcgccatt 660
gtgttagccc ttggaatgcc cgccgatatt tacctcatcg acgagcctag tgcttatctc 720
gattccgagc agcgtatcgt tgccgccaag gtcacaaagc gtttcatcat gcacacaaaa 780
aagactgcct tcatcgtcga gcacgatttc atcatggcta cctaccttgc tgaccgtgtc 840
attgtgtttg atggtaagcc gtctgttgac gcgcacgcaa acgctcctga atctcttgtc 900
accggttgca atagcttctt gaggagtctt gacgtgacat tccgtcgtga cccaacacg 960

taccgcccac gtatcaacaa gtacaacagt cagatggacc aggagcagaa gctgagcg 1018

<210> 20352
<211> 1019
<212> DNA
<213> *Aspergillus nidulans*

<400> 20352

tgaccaacag ctgcgctttc ttgatggact acagccatcc caaaatctct ggggacacct 60
actacgcaac gctcgagggg aggtttgaac caaccgaaag tgggtgtatat gaattaggac 120
tcaccgtggc cggcacagga ttgctgtata ttgacggtga actggtcata gataacaaga 180
ccaagcaacg acatggcaca tccttctttg gtattggaac agtggaggag cggggagaga 240
gatacctcga ggccggaagg caacatcacg tctttgttga gtacagcacg gccccgactt 300
ctaacttgaa acatcacggt gtagtctcgt ttgggtccggg tggcgtagcg ctcggcgggt 360
gccgaaagct agacgccgaa actgctatca agcaggcagt acagctagca gcagagacag 420
agcaggctgt tgtgtgcgtg gggatgaatg gtaactggga gagtgagggc tttgaccgac 480
cccatatgga cttcccccg gggacagata atctcgtagg ggctgtgata gaggctcagc 540
caaatgcggt tattgtcgtg cagagtggta cccagtcac gatgccctgg gccgatcaag 600
caaaggccct agtccaggcc tggatatggag gcagcgaggg gggcaatggc attgccgatg 660
ttctctttgg tgacgtgaat cctgtaagtg aaccgcagct ttggggaatc atcaaactat 720
ctttccttaa ctgaccagcg atgcacaact agtccgcaa actccccctc accttcccc 780
gtgatatcgc gcacaaccct tcgtatctaa gctaccgctc ggagcgtgga agggtccttt 840
atagtgagga cgtctacgtg ggataccgtt actacgataa ggtcaaacaa gcgccgctct 900
tccactttgg ccacgggctt tcatatacaa ctttcaaact gtccggtctc aatgtgcaag 960
agacagaccc tcaggcatca gatatcagta agtcatccat gagcgtcagg gcttgggtg 1019

<210> 20353
<211> 1024
<212> DNA
<213> *Aspergillus nidulans*

<400> 20353

ccgagtgctt ttggggcttg ggcaattgag ttttgagggc gagctcattg gagatgagct 60

gcaagagtga ggatcctaga catgacatca tgccacttat tactgacagg attagggacc 120
atgagatact ccaactgtac tcacatctcc tacggctgtc tccgaaagaa aagaccacgc 180
gtctccttct tgcaactctc cggaatctcc tttctttcaa ccgcactacc ctcttgcttg 240
tcgctgtatt cgtgcgccta cctgctcttc tctcaaccat ctcggtcggt cacctgacag 300
acccggacct cctggaggac ctcaaatact tgtcggaaat gctcgatgaa tacacaaaga 360
caciaaacac ttttgatcag tacgccgcag agcttcaatc cggccatcta cgggtggtccc 420
cgctcatag gaatcccaca ttctggaagg agaatgcccg ccgaatcctg gatgagaaca 480
gcggagcgct tcctaagaag ctcaaggaga taatctctaa gagctgggaa aacgacaagc 540
aggtccttgc cattgcttgc aacgatgtgg gacatttggg taaggaacta cccgaaaggc 600
gggggcagct ggagaaacta ggtttcaaga cacgggtgat ggaactgatg gccgacaaag 660
atgagtcggt gcgatgggag agcttgccgg cggtggggga gtggctccgt tatacctttg 720
atgattgaat tgtacatcct ctctctgtcg catgtcggat aggaagtaaa ccaccactgc 780
tttccctttt tcttcttaca acttgtaaac attcgaagcg tgctgcctct tcagtgtacg 840
gaggatttac gtgtgtatag cttcatagag cttcaagcaa ttgaaacctc gacttgagct 900
ctgaattatt cagcactccg tataaatgcg ctctgacaat gcacacaaca cgccaagcca 960
gccattttga accgaattaa ttgagttaaa aaaaggagac cccagagacg cctagcagca 1020
gcga 1024

<210> 20354
<211> 1031
<212> DNA
<213> Aspergillus nidulans

<400> 20354

caacacacac tcaacgttgg cgaagttaat tgtgaggtcg aacgcagact ttgcaaagat 60
gcccggtgta ctgcattccc caccatgtat ttcttcgcgc gaacagagag agtggagtag 120
aacggtcttc gaggtctcgg cgacctagtc agtacgcaa tagagctggt gagattcgga 180
acggcattca ggatgtcgat gccgagtctt tcaaggctct ggaagaaaca gaagatgtga 240
ttttcttgta cttttatgac catgcaacag tgtctgaaga tttcgaggcc ctggaacgtc 300
tcgcccttcc gctcatcggt caccgcgaaat tggtgaaaac agacagtgtc gctctcgctg 360

aaagattcag aatttccacg tggccacgcc ttctcgtctc tcgaagtggg cgtgcgaact 420
 attacaatcc tatcgccctt agagatatga gagatatccg gcaaattctc aattggatgc 480
 agaccgtttg gctccccatt gtccccgaac ttacggcgtc taatgccgcg gagcttatgg 540
 atggcaagtt tgtggtactc ggtattctaa gtcgcagtcg tgcaaacgag tttgtcgaag 600
 cgaagcggga gctgaagaat gcggcgcttg agtggatgga taaacaagtg cagctgttcc 660
 agttggaacg acaagagcta cgggatgcta aacagctacg gattgaagag gcagaggatc 720
 gcaatgatca gcgagcgttg cgtgcagcca agaatatgca cgtctccatt cgcgaggacg 780
 ataagaagca agtgaggttt gcctgggttg atggtgattt ctgggaacgc tggttgagaa 840
 ctacctatgg catcgatgtg agcaaaggcg agcgtgtcat tattaacgac caagacaacc 900
 gccgttactg ggatactgct tccagtgggtg cttccataat ggcttcgcga acctccattc 960
 ttgaaaccat ccctctcgtc attgccaacc ctcccaagct gacgcctaag tctactatcg 1020
 gcacttttga g 1031

<210> 20355
 <211> 1032
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20355
 tgggtgctttt ggcgcgttca tgggtctacc cattgacctt gtcaagacgc gtatgcagaa 60
 ccagcgatcc agccgtgttg gtgagagact gtacaataac tcgattgact gcgcgcgcaa 120
 ggtcatccgg aacgagggtt tcaccgggtc gtactcgggt gttattcctc agctgatcgg 180
 tgttgctccg gagaaggcga tcaagctcac cgtcaacgat ctcgctccgtg gatatttcgc 240
 tggcaagcag aacggcaagc tcaagacctg gcaggaggtt ctgctgggtg gttccgcggg 300
 cgcttgccaa gttgtacgta tacattcctt atgcttcag acttaagcgt actaactgta 360
 tccataggtc ttactaacc cccttgagat cgtcaagatt cgccttcaag tccaagggtga 420
 aattgcgaaa aacgccggcg tggaagggtg tgcgccctgc cgctccgccc tctggattgt 480
 caggaacctc ggtctcgtcg gcctttacaa gggcgccagt gcctgtctcc tccgtgacgt 540
 ccccttctcc gccatctact ttccaccta ctgcacatc aaatccgact tcttcggcga 600
 gtccgcgaca cacaagctcg gcgtgggtgca gctgctaact gctggcgcta ttgctggtat 660

gcccgccgcy tacctgacga caccctgtga cgtaatcaag acccggtgc aggtcgaagc 720
 gcgcaagggc gaaaaggcat acaccgtct cgcctatgcc gctgtcacia tatttaggga 780
 cgagggtttc aaggcgttct tcaagggcgg accatctcgt atcttgcggt cgtcgccgca 840
 atttggtttc acgctcgctg cgtacgaggt tctgcagaag tggctgccta tgccggggtc 900
 tgaacatgat gtttcaccga cgggtcaggt ggagcctggt gtgggcgttc cagttgccaa 960
 ggagccgctg ccttatctga ggagcagaaa tgcgctcaag cttattctgg atctcgacga 1020
 gaatattggc cg 1032

<210> 20356
 <211> 1032
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20356

tggttgatcg gtgcgagcag tgattagctg ggtggatgcy gaaatcaa at cgccgctgaa 60
 cgaaggcaaa gctgcgtccg agccctggcg tagacgtgga tatgtctgcy gtgtaccttg 120
 gcccaaattc cgcaaggccg tggaggacta ccgtaa atgg cttattgtgg acagtgggtg 180
 cgtacatgag atcaaacgac agcttgtgtt tggccataac gacgtaggtt ctgaaacggg 240
 tcgtagctta ccatcgttgc taacgaactt cttgtagaca cagtatggca acttgctgcy 300
 tatggagcct agccagcagt ctcccttct cctccgcag aacgagcata aacaattggt 360
 cgtcatcgac tttgagtatg cctcagcgaa tactccggt ttagagttcg ccaaccattt 420
 tgtgagtcaa agcaacatga tcaaaattcg atctactaa ctctttccat agactgagtg 480
 gtgctacaac taccacgatg ccgagaagcc gtgggcatgc aataaccagc tgtaccgac 540
 accagagcaa cagcaccaat tcgtcaccgc atacctgaca cacaggccag ggctaggcag 600
 ccggtctcc cttcgataa caccataat gcgccccctt tccgcaagca cgcccacaat 660
 gacaccgctg gacctcaacg caaccagccc cgacctgca cccagcggc cgccagataa 720
 catcgagcgc agtgcacagg aactctaga agcggagacc cagttcctca tccgccaac 780
 acgactttgg cgcgttctca actcagcgca gtgggtggct tggggtatcg ttcaggccaa 840
 ggtccccgga atggaagacg acggaagctc gactcctacg ccgccagtag acagcgatgt 900
 cgacgagtca gatgagtttg attatctcgc gtacgcgcag gaccgagctt tcttcttctg 960

ggcggatcta gtcgctctag gatttgtgca gaaggaacag cttccagagt cgttggctga 1020
 ggttgttgac gg 1032

<210> 20357
 <211> 1037
 <212> DNA
 <213> Aspergillus nidulans

<400> 20357

tcacccgcat gggtttcaag cgcacgcct accgcggcct ggagacaaac tcccgcgcca 60
 tctgctccca cgtcattcgt aacggcgaca ttacatttgt actcacttcg cccctccgct 120
 cgctagacca aatatcccggt ttcacacctg aagagcaaga cctcctgaga gagatccacc 180
 accatctcga gcagcacggg gacgcggtca aggacgttgc gtttgaggtc gactctgtcg 240
 atgcggtggt caatgcagcg gtggcgaaac gagccaaggt tgtgaaaggc ttgacaacag 300
 tggaggatga gaatgggaaa gtgacgatgg caacaatcca aacgtacggg cagactacac 360
 atacgcttat tgaacgaggc gcgtatagag gaactttctt gcccggttac agagtcgaaa 420
 caagcctcga agacccgatt tcggctttgt taccgggtgt cctgttgaaac cgaattgacc 480
 actgcgttgg taaccaggat tggaatgaga tggataagat ttgtgaatag tatgtcctct 540
 ccctgactaa aaaaaatatg tacagaggct aatgagagca gctacgaaaa agctcttgga 600
 ttccaccgat tctggtccgt tgacgataag cagatctgca cgtaagtcac ctttaaggca 660
 aatgtcacag ccacgatgct aattcgcagc agcgagtttt ccgcctaaa gagtattgtc 720
 atggcctccc ccaatgatat cgtcaaaatg cccatcaatg agcccgccaa aggcaaaaag 780
 caatcacaga ttgaagagta tgtcgatttt tacaacggcg ccggagtaca gcacattgcc 840
 ctccaaacag acgacatcat ccgcgacatc acgaatctta aggcgcgcgg cgtggagttt 900
 atcaaggccc ctgatacata ttatgaggac atcaagatta gactgaagaa ggctggatta 960
 actctacatg aggactttga gacaatccgg gctttggata tcttgattga tttcgacgag 1020
 aatgggtatt tgttgca 1037

<210> 20358
 <211> 1039
 <212> DNA
 <213> Aspergillus nidulans

<400> 20358

tttctcgcgat attgacctca agtactacga cctggatatgt cttgaatgct tgtctcccat 60
tttcagtgcga ctgatcttgc tttaggggtct tgagtaccgt gaccagaccg atgacaagggt 120
caccaccgag tccgctgagg ccatcaagaa gtatgggtgct ggtgtcaagt gcgccaccat 180
cactcctgat gaggcccggtg ttgaggagtt caagctgaag aagagtaagc attatatgct 240
cactgcgcgg aagagctgac tgacaaaaca accctagtgt ggctgtctcc taacgggtact 300
atccgtaaca tcctgtatgt cacctttacc ttttgaaatc ccttgctatt gcagtgtgct 360
gataccatca agtggcggtg ctgtcttccg tgagcccatt gtcattcctc gcattcctcg 420
cctcgtcccc ggatggacta agcccatcat catcggtcgt catgctttcg gtgaccagta 480
ccgtgctacc gaccgtgtga tccctgggccc tggcaagctt gagctcgtct acacccccga 540
gggcggccag cctgaggcta tcaaggtctt tgatttccct ggcggtggtg ttaccagac 600
tcagtacaac accgatgagt cgattcgcggt ctcgccacg ccagtttcaa gcttgccttg 660
actaagggcc ttcctctcta catgagcacc aagaacacta ttctgaagaa gtacgatggc 720
cgcttcaagg acatcttcca agagatcttc gagtccgact acaagaagga atttgatgcc 780
aagggcattc ggtacgagca ccgtctcatt gatgacatgg tcgctcaaatt gatcaagagc 840
gagggtggtt tcatcatggc tttgaagagt gattgcatct aaaacagttg atgctgtcgt 900
cgactaacc ctttagacta cgatgggtgac gttcagtcgg acattgttgc ccagggttc 960
ggctccctgg gtctgatgac ctccacactc atcaccctg acggccaggc ctttgagtct 1020
gaagctgccc acggaccgt 1039

<210> 20359

<211> 1049

<212> DNA

<213> *Aspergillus nidulans*

<400> 20359

gccctgggga gagcgccat tatttagcgg tatgccagat tcagtgggaa tggttatcgt 60
tgcacgccat taaccgtaa gcaggtaac cggaacaaga agtcgattgg tctctcgctc 120
gcccacaagt ccggcgctga tattctccac aaactcgtca aggagtgcga tgtcctagta 180
gagaattatc tccctggaag cctcaagaag tataacatgg actatgagac cttacgggaa 240

atcaatccga gcctgatcta cgcgagtatt acagggtacg gccagaccgg gccatacagc 300
 aaccgcgctg ggtacgatgt gatgggtgaa gctgagatgg gattgatgca catcactgga 360
 agcagaggag gtgaccccggt caaggtcgga gtggccgtca cagatttgac aacggggcta 420
 tacacatcca atgccatcat ggctgctttg cttgcccag taagaacagg gaagggacaa 480
 cacattgacg catgtctcag cgattgccaa gttgcaacat tatccaacat tgcgagttct 540
 gctctgatca gtggacagaa ggattcagga cgggtgggta ctgagcatcg tatgtgccga 600
 atccattgcc atgttcgggt ctcaggcacg ctgacgtttt tcaagcatcc attgttcggt 660
 accggagtta ccaaaccctc gacggggata ttctctttgg cggcggtaac gacagacttt 720
 tcgggtgtcct gtgcgatcgg ctagggcacc ccgagtggaa ggaggacccc cgatttctaa 780
 ccaacagaga ccgcgtaaag caccgagccg tgatcgacgg cttgatcgaa gactgtgtca 840
 agcaaaagac cacgcaacag tggttggaga tcatggaagg cagtggaatg ccctatgcag 900
 ctgtcaatga cattcagggg acgttgaacc acgagcacgg taagtctcct agaagaagtc 960
 ttgtcaacct attttcttaa caaatcact gcacagtccg agcccgcgga atggtcaccg 1020
 agattgatca tccagcatgt gggcctgtc 1049

<210> 20360
 <211> 1049
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20360

cccccgtctc acgcggaata agatcattga ctccaaaatt gagtcgacaa ttcagccact 60
 caccagctgc ggcgacgaac gagtcgagca aaaagcgact gtattgctgc aactctggtc 120
 gactctggaa attggctatc gaattccacg gatgaagcgg gatcccaatg ccgctactcc 180
 gactgtcagc cagtttcatc gacgagatga tatctcagat gagcggcagc aacgccttag 240
 atcacggtca cggtcgaggt caattgaagc tcctcgaggg ccagcagcgc agaaacgagg 300
 cggccagggc ccaagaaatc aacaccatca gggtcctcga acgttccgac ggcggttcga 360
 ccctctccca cagggtcgtt ttgcggccga gtccaatggc cgaacatatt actattcagc 420
 tcgaggagac actacctgga cgcggccac gaagccagcg ccgcagccgc cgccaccgcc 480
 gaaagagtcg agggacaaaag cacttcagag tattattgac ggtatcatga acgcaaagga 540

acagacgccc aaggagaaga gcggcacgcc taccactccg caaccgtcta agcccacgcc 600
 ggagggcaag gacaggcaag aaaagtggag gagctacagc gaagagaaac agaagaagct 660
 ctacgaaaac acggttaagct ccttccatga aaggtgtggt tctaaattct gacgcgtata 720
 gctgtatccc cacataaaat acgtcgttga caagttcaaa cacaagcttc cgaaagacga 780
 ccttaagcga tacgcgaaag acgtggggtt ctctatttcc agttatcata cggtcactaa 840
 cctgcgcata ggtagcaaaa aagctagtca attcggattt taagaacaac cgggtcacag 900
 atcctactaa gatcgacgac aaacagcaga agaaggtaa gaaattctgc aaagaattct 960
 ttgacaaagc gggtgcgaag caccaggctc acgagaagcg aaaagcggag aaactggcca 1020
 aagaaggtag ctcagataac aagctggcg 1049

<210> 20361
 <211> 1056
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20361

ttccacttct acgtctgctt cagtgaggtc attttcggcg cgcaggcgca ggcagcgtct 60
 tctcgtatgc gcccgcatg tccaaggcaa aacacgccgc gggcgagctg aaagcactgt 120
 acagccgcaa gcccaagatc cacggccaca acgtgatgcg cgggcgctgg tctggcgctt 180
 cggccagcgc tgcgatgcgc aacgtcctcc ccctacctcc ccgatcgctg caggggtcga 240
 tcgagttccg caatgtgtac ttccgggtatc ccacgcggat gacggtcccc gtgctatcgg 300
 ggctcagctt ctcgatccgg ccaggccagt ttgtcgcgtt tgtgggcgca agcgggtgcg 360
 gcaaatcgac gacgatcgcc ctctggagc gcttctacaa cccgctgcca ggcagcggcg 420
 ggatctacgt cgacggacgg gatatcagca gtctggacct gcagagctac cggcggcagc 480
 tggcgtttgt cgggcaggag ccggcgctgt tccaggggac gatcaaggag aatatcctgc 540
 tggggatgga ggagggggag gtogatgacg gccagatcat cgctgcgtgc aaagacgcga 600
 acatctacga cttcatcatt tcaactccgt gcgttcagtc cctgcttctc tccactctcc 660
 tatactcaca ttgtgacacc ggctgacatg cgagcaggca gggcttcaac accgaagtgc 720
 gcagcaaggg cgggatgttg tctgggggccc aaaaacagcg catcgccatt gcgcgcgcgc 780
 tgctgcgcga gccccgcatc ctgctgctgg acgaggcgac ctcggcgctg gacagcgaga 840

gcgagcaagt ggtgcaggcg gcgctggaca cggccgcgag gggccgcacg acggtggcgg 900
 tggcccaccg tctgagcacg atccagcgcg cagacgtgat ctacgtgctg gcgaacgggc 960
 gcattgctga ggaggggacg cacgccgagc tgctgcggag gagggggcac tactacgacc 1020
 tggatgaacct gcagagtctg gcatagcctg agcgca 1056

<210> 20362
 <211> 1059
 <212> DNA
 <213> Aspergillus nidulans

<400> 20362

gtcctacatc gcatgaacac aactctcgac gatatactcg cgcagaccaa agatcttatt 60
 gccctcaagc ctgagccatt ggcgcagttt atcaacacga agctcaccgc aaaacttaat 120
 agacagctgg aggagccttt gattgttgca agcagctgtc tgcctgattg gagcgaagac 180
 cttgcgcgat ccttcgcctt tttgttcctt ttcgagaccg ggcattctatt ccttcaatct 240
 accgcctttg gatattcgcg ggccatgatg cgatggaaca actctcaggg agatgatagt 300
 cgtcatgatc agcggcgaga tgatcggcca atgctgggtc gtttgcagcg acaaaaagta 360
 cggatctcaa gaagtcgtat tctcgagtca gccatgaaag tcatggaact ttacggctcc 420
 tctcccagtg tgcttgaggt tgaatatatt gaagaagttg gaaccggctt aggtccact 480
 cttgagttct attcgacggc ctccaaggag ttttcgaaga agaaactaaa gatgtggcgg 540
 gaaaacgact gcggtgattc cgaagaatac gcgtttggtc ctcggggtct gttccctgca 600
 ccgctgagcg aagaacagct cgcgtcagaa tttggcaaaa agcagttgca gttgttcaaa 660
 acccttggga aatttgctgc tcgctcaatg ttggattcga ggatcataga catctcgttc 720
 aatcccgctt tcttcgctat cgcgcacacc tcttccccag tagcccttc actcgggtaca 780
 gttaaagcag tggatcaaga tttggccaaa tctctactgt tgctgaaacg cttcgctaatt 840
 gccaaaaagg ccttgaggcg aaagaacctc cctaaggcca agaagacgca ggctctgatg 900
 gcgattgagg tcgatggagt ccatgtcgag gactagagcc tggatttcac acttcctgga 960
 tatactgcaa ttgagctcat caagaatggc tcgaatatac cgattacgat tgaaaatgtc 1020
 aacgcgtatg tcgacagagt tgaggacatg accttgggc 1059

<210> 20363
 <211> 1064
 <212> DNA
 <213> Aspergillus nidulans

<400> 20363

```

ggccaaggca atgttgcatt ggatgtagct aggatactac tgtccggagt ggatcgctctc   60
cgccagactg acatcgccga ttacgccttg gagacgctgt ccagcagcaa aatcaagagg  120
gtccgggtag taggccgcag aggcccgttg caggtacgtc agtcccttgg ccgtacatta  180
cttttctaac cccgataggc gtcgtttact attaaagagg ttcgagaact gctacagctc  240
ccctctgtat catttgaccc cattcctcgt gatcttcttc cccagaaga cgtcatttca  300
gccctcccaa gggcgcagaa acgactgac cagctactct ccaaaggatc taccaatgac  360
cctaccacaa ccaccaagtc gtggtctctt gacttctctc tctcgccaga gtgtctcaac  420
tggtctcctg tcttccctta ccgcctgtct catgtgcgtt cgcccgaac gaactcgacc  480
ccgcggatcc gttctccgca agcgccaagg ttaggcccga gcacctttcc gacggcaagc  540
cggccaaagt caacattccc gcgaacacgt tctttcgag cgtcggctac aaaggtcttc  600
ccttgcttgg actagaagac cttggagtgc cattcgatga gagccgcgga gtaattccca  660
acgacggctt tggccgggtc actgtgcctc tggcgtcaga ggccgggact catgatacac  720
tcccaaattg gtccctgatt tcgcatctgc cggggctata ctgtgccggg tgggtcaagc  780
ggggaccgac ggggtgtgatt gccacaacaa tgacagacgc gttcagcacg gcggacgcga  840
tcgcagcgga tgtggcacag catggtaaca ctctgctcaa cccatcgaa gaaaggaccg  900
gcctcggatg ggagggcgtc cgtgccgagg cagagcagcg tgggtgaaga gcaacgacct  960
gggaagactg ggagcgaatt gaccgtgcgg agcgcgagcg tggatcgctc aagagcaagc 1020
cacgggagaa gtttggacga gtagaggaga tgctggcggc tctg                               1064
  
```

<210> 20364
 <211> 1066
 <212> DNA
 <213> Aspergillus nidulans

<400> 20364

```

gaccatgtct ctctgacact ccttcaagtt ctacgggaca cagcatccct gctgttggcc   60
taggtacctg ggtatgcgga ccagccagct ataccttgaa caagtactgt taacatagct  120
  
```

ctctcagccc catggaattg aaaaaggggt tgaggctgct ctgcgcgctg aataccgtca 180
 cattgacgat gccacctgct atctgaatga gaacagagtt ctgaatagat ggaggacgcc 240
 ccggtgtacct tgagacaaga gtctggttggg ggtcaccttg gttacctttc aaacagcagt 300
 caggagctga gcctgcctga aatcacaagg ttctggaatt cgcagcatca ccctgaccac 360
 atcggagagg cgcttgacaa aacactgcag ggcttgacaga gggaatatct tgactaatgt 420
 ctggtagcgt tgacactcag gactccctga ccgctcgtg atgggcttcg agatttactg 480
 ggccgcgctt tcgagcgtat gtgaactctt aagctgatgg agtctattat aaagtggctc 540
 tgtttgccca atatctcgat gatgacatct ggatagcgt agagagagtc gtctactcga 600
 gcaaagtcaa cagcattggc gtcacgaatc atacaatcga ggaacccgag aagctactga 660
 gtatgcggag atacctatcg cagtgaacaa aattccaagc tttccatag ctccagcaac 720
 aaacttacgc agtgggttaga gggcaagaag attttacggt tgcctataga ccgctagata 780
 taacatctag catgtacctc ggtaactctc ttttcgttg ggggacttcg acagggttag 840
 atagctatcg ccgctattga tcatatgacg gagagtctgc tgatcctatc gtgcaggtaa 900
 tcgctgctgg gctcaataaa gaccaggaag ttgcccgatc ccgtgggcaa tgcagcatat 960
 tacagacgtt attgcaaag ggtgtcacat catcccgcat tgagggcaac tttcaatgta 1020
 catatcgttt ttcagtgccg tattgaaaca gtgaactaat gtcgcc 1066

<210> 20365
 <211> 1067
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20365

tcccacgcct gggattctcg tcctccgtca tggccaacct tccttcgtgg tatcaatttc 60
 tggggccgag atcacgtca ggtttacctc ttcggaaacc cattcgtctg gtactcttcc 120
 actttggcag ttttggttta cgtgattttc aaggggattt cccttctacg ctggcagcgt 180
 aactgtggtg actaccgtaa tcccgcatc aaaagatttg actacgaaat tggtagctca 240
 gtacttggct ggggtttcca ctacttccca ttctacctta tggcccgcca gctcttctta 300
 caccactatt tccccgtctc ctatcttgct attcttgctc tggcccaaga gtttgacttc 360
 atcacgaacc gtatccgcag cttgggtctg ccctctcgac ctgttatcgg gaaagctttg 420

gctggtgtgt tcttaggact caccattttt gccttcaccg tttactctcc attgatctat 480
 gggaatccgt ggactagggg cgctgcaag caagttaagc ttctgaaatc atgggacttt 540
 gactgcaaca ctttttacac cgacgtaagc actccgattc ccggtctcaa tgaataattt 600
 ctacgatgtt gactaacgat tgcataagtt gaatcaatac gtgactcatt tcagcagtgt 660
 gaactccgct gttccaacaa cggcggcatc tattccccag tcgcctgcac ctgtcaaggc 720
 cgagccgaag caggaacaga aggaacaaaa ggaagccaag gtggagagtc aggaaccaag 780
 catcacatcc agcagcattc caaaaattcg aggaacgcaa gcgcgagtgg aatatcgtga 840
 tcagcagggg aacatccttg atgaggccgt agtggattcg ttacgaaagg agggcaagat 900
 atcgattgag acgagacatg agactcggac tcgcctggag catggtcac tcggtgatgt 960
 tgtcgatggc aaggttcgtc cgcctcaccg ggatgttgaa ggccaaaacc ccgaaactca 1020
 ggacaagccg gaggagattg tggatgatag cccagcctcc gcagctg 1067

<210> 20366
 <211> 1069
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20366

cagacatggc ttctgcgata gtcaccgggtg ccacaggtac ttttagctct cttctttcct 60
 aagcttcgct aactgtctag gcatcaccgg tagtgccatt gtgcaccatc tccagaaaga 120
 cgcttcgtat aagaaaatct acgccctctc taggagtgc ccaggctaca aagaccccaa 180
 gctccaacat gccgcaatcg atctccaagg ctccgcagac gatatggcaa agaccctctc 240
 gggaatatct gccgaatacg tttattttctg cgcatacatg gcgcacgacg acccagcaga 300
 attatgccgt atcaatggga ctatgatctc aaactttatt caagcactgg agaagacagg 360
 cgccatcagc aagctcaagc gggtttattct gacttgccggc ttaagcagt atagcgtgca 420
 tctcggaac gccaaacagc catttcacga agaagaccct gtcctagagg gcgagggttg 480
 cggcgaaacg tggccgcaa acttttactt caccagcag cgcacccctc ccgaagccgc 540
 agcccgcagt gaaggtcaat gggactgggt cgctactctt ccgcaagacg tcctgggttt 600
 cgcccgcgga aacttcatga acgaagcaac cgcagtgggg ctgtattgta cagtctccaa 660
 ggtcttacct ggctctgagc ttccttttcc aggatgcaag gcaggatact ttgcattcaa 720

tacgtggaca tccgcaaacc tgcattcgaa attctgcctc tgggctgcaa cagccaaagg 780
 cgcgggaaac aacatattca acgtcataaa cggcgacacg gagtcgtggc aggacctctg 840
 gccgcgcctc gctaggccgt tcggctgcaa gatccccaat cccatgttcc ctcacggagg 900
 gacagcagat acgaaaggat acaagaatta cgaatcatcc acagttcgta tgccaaataa 960
 gcatcctcta agcaccgcg tctcggacct gggcgtctcc tcagaccct cgaaggagga 1020
 acccccgact ctcttctgcc agatcaacc tgagaaatgg gctgcgcgg 1069

<210> 20367
 <211> 1071
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20367

cgccggagtc ggataacatc cagttaaaac cagtactatt acagaagggt cgaactaagt 60
 tggcgtctta cggaatgagc aatgtgcgag atgagcgatt attcaggact tttcgagacg 120
 gaaaagtcaa gttcttcaga cctctgttc agaaggagga ctggtataac ttaatatgcg 180
 ttcataaaaa ccaccatgcg tatacggaga cggggtatct acctgaaaac ttcctcccag 240
 aatttcttga ccttgtcatc tggggtcatg aacatgagtg tttgatcaac cctcgtatta 300
 acccagaaat gaagtttcgc gtgatgcagc cgggctcttc tgtcgcgact tcgctggttc 360
 ccggtgagtc agtaccgaaa catgttgcca tattgagcat caagggcaaa gagatgaaat 420
 gtaagccaat cagactcaag tcagtacgtc catttgcaat gcgggagata gtgctttctg 480
 aagaaagagg tgcccagaaa ttggcccgca aagagaacaa ccgcacagaa gtcacccgtt 540
 tcctcatgac gatcgtagaa gaactgatcg aagaggccaa agcggagtggt ctggagctac 600
 accgtcccca gaggagagag ggcgaagagg aagaagaaga cgacgaagag ctggaggttc 660
 ccctgccgct cgtaagactc cgtgtggaga cctcaacccc cgagggtggc agctatgact 720
 gcgaaaatcc ccagcggttc tcgaaccgat tcgtcggcaa agtcgcgaac gtgaacgatg 780
 tcgtgcagtt ctaccggaag aagaaaaccg ctacatcacg gaagaaagaa aatgagctcg 840
 atgaagcagc gctttcgcgc ctgtccaccc tagacacagt gcaagtcgaa caactcgtgc 900
 gtgagttcct ctctcagcaa tctctctcca tccttcgcga aaactctttc ggcgacgccg 960
 tttccaatt catcgacaag gacgacaaac acgccatgga gatgtttgtg aatgagtctc 1020

ttgagggcca gataaagcac cttctctcgc ttgaccgca cagtgcgct g 1071

<210> 20368
 <211> 1074
 <212> DNA
 <213> Aspergillus nidulans

<400> 20368

cgagcccatc gctaccgtga cgacgatcct gattccccac aatgccgact acaccaaggt 60
 tctctcatat caggctgccc aggatgcggc ggatcccaac tgctctccat cgttcgcgat 120
 ccagcagttc tccgacgcag gcgagctctc gccctcgta tgcgcgagct tgagtacctc 180
 ttcatgagct cagccctgaa caaagggttc gttgtcatcg tccctgacca cctcggggccc 240
 cgctctgcgt ttttggcgaa caccctctcc ggtcaagccg tgctcgacaa cgtcgcgcgc 300
 gcgcttgccct ctaccgacat cactgggtatt tcatcccagg ccactgtcgc tctctggggc 360
 tactctgggg gtagcttagc aagcgggttc gcagctgagc tgcagccctc gtatgcgcct 420
 gagctgaaga tcgccggcgc cgcactcggc gggacagttc ctcaaataccc acctgtcatc 480
 agagcctcga acaaaggcat cttcactgga ctcatcccag ccggtatcca gggccttgca 540
 aacgaatatc cggccgccc gcaactcatt cgcgatgcca ttctccccga caaatggggc 600
 gaattcaaca agactcagga gctttgcttg actggtaacc tcatcgaata tctcggcaag 660
 gacatctaca cctatgtcaa cgaccccaac gtcttcgagt cccctcttgc gaactccctc 720
 actgagccca acgcgatggg acacaacacg cccaaaatcc caatccttat ctacaaaggc 780
 gttaacgata agatcagccc ggtgaaagac accgatgcct tgtatgacac ttactgcagc 840
 aacggggcta acgtcgagta tgtccgagat ttgctggcgg agcacgcact gatgacaatc 900
 acgggagcgc ccgatgcatt catgtggttg acagagcggc tgagtgtgta cctgtcaaga 960
 agggctgtag gcgcaagaca cagcttacgg ggctgcagga tccaaaggcc ctagccgcgc 1020
 tgggaaccac ggtcgtcaag ttcttgctga gtcttctgac attcgccgctc gggc 1074

<210> 20369
 <211> 1075
 <212> DNA
 <213> Aspergillus nidulans

<400> 20369

cttcacaatt cacatggcct aaggaaacat acctgagcca tcagtggctct tagcgacagt 60
 cgtcgaactg atgaagttcc atcgagatat aatgaggcac aactatgaga aactcgaccg 120
 ctcttacacg ttagctccag atgcagccga gaaatctgat gaactaacct cctcacgagc 180
 tgctgatact tcgaacgaaa atccagcatt ctccgctatc cagggctgat ggtgcacagg 240
 tgaagatccc atgctcttta aagagagatg ggagaaactc tttgccgagt tttgcgatac 300
 agaaaagggtt gacccaagca agctttctga gctgtatgac agtatgaaat tcgatgcgct 360
 ccacaatcga caattcctcg aatgggtgtt caccctccg gatgctgaag acagcgatga 420
 ggagacggca gatatgtacc gccgtggatc ttctcgaaat catgcctctg ctgcggagtc 480
 aaggggcaat ggctttgatg ggagcggcca ccagaggggc gatgagcaat actccgagag 540
 tcagactctg gcacatcgtc tcggtttgaa gaggcggatg catgctttcg agacatcgat 600
 accgcatcta agggcacttg acgattcata cgaccattat ttttaagcttt acccgagttc 660
 taatccgtca aagaccaaata tagactctag gctttcgaag ttgcgagagc tgtacaagct 720
 agcgaaagtt ctcttcgatt atgtgactcc ccaggaatat ggtatcacgg atacggagaa 780
 gctggagatt ggctgttgga cttccttacc tcttttgag gagatagtga gagatctgga 840
 agaggtacaa gcttcctcag acgcaagtc cgtgttttat tttactaagg agtcccacat 900
 ttacacgctc ctgaactgta tacttgaggg tgggtgtccag acaaaaatag cacgctctgc 960
 tattccagag ttggattatc tctcccagat atgcttcgaa ctttatgaag ccagggatag 1020
 cgaatcctct accagctctt actcgatccg aatctccatc agccccggct gtcac 1075

<210> 20370
 <211> 1075
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20370

accacggcgg acacgctttc cctcgtcacg cggaccgtca ctgttgctcc gttgggtactt 60
 ctctccgtcg cagatcacta tggacgctct gcaaagggca ctcggaagcg agtgggtggc 120
 gtactgctag gagaacacat tggagggaat gtgcgggtgt caaacacgtt cgccgggtacg 180
 atctagcgtc tccgctggcc tgtcaattga ctaacatgct tcagtcccggt tcgaggaaga 240
 cgaaaaggat ccatcagtggt ggttcttaga tcacaacttt gtcgagtcga tgcgagacat 300

gttcaagaag attaacgccc gcgagaagct gatcggatgg tatcactccg gcccgaaact 360
 gcgcgcttcg gatctcgaga tcaacgagct attcaaacga tacacaccaa accccctgct 420
 agttattgta gatgtacaac cgaaggaggt tggcgtccca accgatgctt actttgcggt 480
 ggatgaaatc aaggacgtag gtactacggc tccacaacca aggcatacgc taacccttgt 540
 caggacggta cgactagatc caggacgttc gtgcataccc catctacaat cgaagcagag 600
 gaagcagagg aaatcgggtg ggaacacctt ctccgagaca tcagagacgt cgctgtggga 660
 actctctcca cccgcatcac atcgcaactg cagtccttgc aaggcttaca cctccgcctc 720
 cgtgatattg gccaatatct tcagaagggt cttgaccacg aactaccgt gaaccacgcc 780
 atcctcggtg atctccaaga tgtcttcaac ctcttccca atctgtctac accgagtacc 840
 acggcgcggg ttggcgggtg gcagaacaat caacagataa cgccgagttg gctcgcgcta 900
 tgagcatcaa gacgaacgac caattgatgg ccatctacct aagcagcttg gtccgtgccg 960
 ttacagcgta tcacgacctt attgagaaca agattcagaa ccgacaacag caggaagaag 1020
 tcgagcagaa gagggagcag gagggccaaca gcgcgaagaa tgagaaggag ggccgc 1075

<210> 20371
 <211> 1075
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20371

gcccgcaagc ttgttcctcc aatgctggag aaatttcaca agggtaaata atcctgacaa 60
 tgctgcagtg acaacctact gatctggcaa taattacagg acaacagggg agagttgctg 120
 ttattggagg ctgcctagag tatgtcatgt cgtctccgtg ggtcttgcaa gcagaataag 180
 ctgaacccat aaagctacac aggcgcacca tacttctctg ctatggcgtc acgtagacta 240
 ggtatttaag cttatgctta acctgacctt cgatgcttga ttgctaataa tgcgctaggg 300
 tgtgatctgg tacgagtgca tcaggtgggtg tctaagctct actaattggt ttctgcagag 360
 tcatgttatc tgcgaaagct cggctgctac tgtaggctcc tcaactaaac aacatctcaa 420
 atagcggctt acctcgcgcc taggtcatta aatcatactc acccaatttg atgggtgcacc 480
 cgatcttacc gagcagcgct tccgtcaagg accccagctc cattgatgct ccgtctcttg 540
 caagcccgat catcgcaatg ctggggcggc tccatgcact tgttattgga cccgggtctag 600

gtcgggatgg cgttactctt aaagtagtca cagaggtgat gaaggaggca cgggtcccgt 660
 caataccctt tgtcctagat gcggatggcc tgctcctggt cacagagaac ccagatctgg 720
 tgaaggggta caaggactgt atcctaacgc ctaacgtcaa tgagttcagt cgcctagcca 780
 aggtctcttaa tatcgaggtc ccaagtctag cccaaatctc gtcaaaagag agcggagaca 840
 aaacaagcaa ggaagcggaa gcctgcgaga agctctcgca agccctgggc ggcgtcacca 900
 taatccagaa gggaccacac gatgtcattt caaacggagt cacgagcatt gtctctgac 960
 taccaggagg cctgaagcgc agtggcggac agggcgatac tctcactgga tcgttgggca 1020
 ccttattggc ctggcgagcg gcttaccacg atgcactttg ggactcgggc gagca 1075

<210> 20372
 <211> 1077
 <212> DNA
 <213> Aspergillus nidulans

<400> 20372

agtcgccccg ctggttgatg aagcagggtc gccgcgagga ggcaacggcg tcgctcgctt 60
 tcacgcggcg cgctgatcca aacagcgacg aggtgcagca ggaactggct gagatccggg 120
 cgtctatcga agaggagctc cgctccaccg agggcgtcac ctggcgcgag gtcttgctgc 180
 cggggaacag gttgcgattc ctcaatgcat tcttgatcat gttctggcag cagttctccg 240
 gcacgaacag tatcgggtac tacgcgcgcg agctgttcca gactatcgga gtggcttcca 300
 ccgacaccag tcttttcacc acgggtatct atggagtcgt caaggtcgtt tccacaggtc 360
 ttttccttct tatcggaatt gaccggttcg gtcgtaagtg gtctttggtc ggtggagggt 420
 gggccatggc cgtctttatg ttcatctctg gtgcagtcct ggtttcatac cccctgtga 480
 aactgacac aatctccaat gcaagcattg caatgatcgt aatgatctac ctttaacgtta 540
 tcaggatatg gattatcctt ttccccctga atcgtgatca gccctaagct aactatgaca 600
 tagctactcc gcctcctggg gtcccatccc gtgggtatac atttcggaaa tcttcccaac 660
 gcgcctgcgg gcctatgggtg tcggcatggg ctgggccacc cagtggctgt tcaactttgt 720
 tgtaacaaag ttcacccctt ctgccattag caacattggc tggcgcacgt tcattatggt 780
 tgggtgtcttc tgctttgcta tgggcttggt ggtgtgcatc tttatcaaag agaccaaggg 840
 aaagaggctt gaggatatgg acgacatctt tgggggaaag accgtcgagc agatgcagaa 900

agatatcgag caggcagatg ttgaggagca gacagaggtg gaaaagaccc agacaagaca 960
tgaagagcag gtggttcggt aactgacagc ttgattgctc ctatgatatg gttaagagtc 1020
cgccctctac tgactgtggt tgagtgtcct tgcacttgct ttatcccggt tccggga 1077

<210> 20373
<211> 1077
<212> DNA
<213> Aspergillus nidulans
<400> 20373

gatccagccg ctgcgcatcag atatcggtga agcaattagc gatagatggc ctagtgaatc 60
aggtaaacca tgacttccgt cgacatgcgc gaaagtgtgg ctgacccgtc tatctaataa 120
tccccaggct ggcaggaaat agttcttggg tcggtggtcg agcgtaccat agcccagggt 180
acatcttctg tgtactgcct ggacgaggcg tggcccgagt ttgtggtaaa gatggaaatg 240
gctctgggta tggcatcggc ggcactctcc gcgtggcctg tgatgctacg acggattgtg 300
gccaaagtttc tacctgagtg cctggagctc taccgcatca tgaaatctgg ccgagagctc 360
atgagccgtg acatgcgcag gagaacggct ctgcaggcat caacaggcga agaaccgcta 420
aacttctttg aatggttcaa agaagcctcg cacggggaag aatatgacga gctcatactt 480
aacctgcgga ttgcctttgc gtccatgcat ggccctctcg accatctggt taagatcctc 540
ctgcgccttt ctgaggatcc tcagctcgtc agcgaccttc gtaaagagggt catccaagtc 600
tacgagactc atgggtggag caaaacggcg ctgtaccact tgaaactcat ggacagtgcc 660
tttaaggaag ttcaacgggt agatccaatc ctgtttggta tgccaaatcc cttctcctgg 720
ttcggacaca ccctaactat cagacagcag ttggcagggt cgccgtcgct gacgtaacgt 780
tgaaagacgg cctcatcatt cagaaaggcc agtctatccg catatctgga cacacaatgt 840
gggatgagga caagtatcct gacgccgcgc actttgacct gtatcggttt tacagactcc 900
gacaggctcc agggcaggag aatacagcgc agtttacatc acctacctcc gatcacctgg 960
gattcggcta tggaggccgc gcctgtccag gacggttctt cgccgcagcg gtgctgaaga 1020
tatctctgtg ccacgtgttg atgaagtatg atattaaacc ggccaatggg gagactg 1077

<210> 20374
<211> 1080

<212> DNA
<213> Aspergillus nidulans

<400> 20374

gatatcctat atccaactgc gtgactcctg tagatgtccg ctttgcgtcg atgtgcattc 60
taagcagcgg aactatcggc tttctgacat ccctcccat atcaaggcca agtcgcttga 120
atgggagaag gatgtcctga aggtgacctg ggaggacgat attccccgggt tcgattcatc 180
tcatgtttcc agatacacac tgccacaact caagctccgc catccattcc cagtcacatc 240
tgcgactggc attcgaagga agcgtatcga ttggaacaaa gagaaaatga cgaaactaca 300
gcactggatt tcttatgacg attacatgca taatgacgag aagtttacta ttgccatgcg 360
ccatttagct actatgggggt tgatatttct aaaagatatt cctgactcac gggaaatggg 420
cgaaaagatc gccacacgca taggaccgtt acggaacacc ttttacgggt caacgtggga 480
cgttcgaaaa gtccccgagg ccaagaacgt cgcttatacc agccaatacc tcggtttcca 540
catggatctt atgtatatga aggaccacc agcttttcag ctcttacct gtcttcgcaa 600
ttcatgcgat gggggcgaat cgctgttcgc ggatacattc aatgtggccg gctacctgta 660
tagaaatcgg cccgagatct ttcaaattct ggccaagacc aaactcagat acgaatacca 720
acataaggac caaagctaca gcaatgcatg gcccgtcctc gaaagggggc cgcttgataa 780
gggtcatttc ttagcacgtg ttgcctactc acctcccttc caagctccta ttttgaacga 840
ctcaaacgcg gaccccgaa atatcgcgaa actacaaact caactggggg cgttgaaata 900
tttcgcgagc tctctagaaa gagaagataa catgttcgaa ttgaaactac aaccaggcga 960
atgtgtcata ttcgagaacc gtcgtatagt tcatgctcgc cgccagttca ataccgctac 1020
cggcgagcga tggcttgccg gggcgtatct tgacgaggat gttgtagcgt cgcgcttccg 1080

<210> 20375
<211> 1081
<212> DNA
<213> Aspergillus nidulans

<400> 20375

tccctcccaa agcggggagt tttcaggttt tccttaaagg ctacaaagac gctaattctt 60
tcttgagaga gcatccgtgg ccagatcaga cgaacaccgg cttccgtgct caggacgctc 120
cgaaacgcaa gaagcgcccc tggaatgagg cttgtcgacc gtccgggata caatcgagc 180

atgaagacga gggagaagag gacgaagatt atcatgctcg cacaccgtct ccacaagagg 240
 aaagcagggg ggcacgattc tactggacgg agaattctcaa acagtccttt agggagaagt 300
 tggagaaact gggtatcctg gattatatta tgcgaaacac agatcgtggg ttggataact 360
 ggatgatcaa aatcgactgg aaaacagagg atgtctcgat tgtggcggac gccaaagccg 420
 aacgagcacc agcaggatga tgacgaccat ttggttcctc cagcaccagt ttcgggtcaac 480
 tctgacaagg caacctctcc gtcataccca tatcggcgac atgagacgat gcaagctgtg 540
 agtcgtacgg gaactcctct gaattctcag gagcctcaag cgactatcca gattggcgcc 600
 attgacaaca gtctgtcatg gccctggaaa catcctgatg ccgtgcgtcg cctattacca 660
 tcataggact gtatttatgc taacaattgt ctagtggcga agctttccct ttggctggct 720
 gtttctacca gtttccctaa ttggacagcc attttccca aagactcgag accacttttt 780
 accgcttttg acctcgaccg cttgggtggag cggtagcaa atggctttac ggcggggttt 840
 ctcacaggat gacgacttca aagagagtat gtttgcgagg cagatcgagg tcatgaaagg 900
 gcaggcgtgg aacgtggctg aaacattgaa acaaccggat catgggtccgc ttgagctcac 960
 gcgaagaacg cgcgtctgtg tttgggacga cctggtagat gttccggttg ccattcctct 1020
 tcgagggccg tcaacggagg ccagcgacg taagatcaga gggtatgatg atcgctacga 1080
 c 1081

<210> 20376
 <211> 1081
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20376

ccgatgctgc tctctctcag tggagctctg agaagcacta ctcatgcca ccagcgaacg 60
 agccgcgctc cgtacggctt gaaattacta gtaccgttga tatgaacctg tcgcttagat 120
 ggagtgtgca cggttctcga caggtagcg aattgaccg cgtgggcttc ggagtcagtt 180
 tacaacctca gggcctaata atgtcgcttt cctgggccag gcttgggcag agaataagac 240
 ttccaattgc catttgcccc attgatagt tcaatgcgga ctcgccact ctggcagttc 300
 tcctcccgtg gttaacatac tgccgggttg agtttggtt tatacggccc agggaaacgac 360
 ggaatcgccg gaagctaatt gctaaacgac agaagaaact caggaaactt gttcctcaga 420

agaggttggg aagcacacaa gccatcgaac tcatggcaga tcaagtgcgg cgacggcagg 480
 ataaggagta cagtagaggg ggtcttgtca ttaccaaagc agaatacggg cattatcctt 540
 caaagcggaa tgccgacaaa ggcgccaagg agcccgaggt gacagatggt actatccctg 600
 tggctgcgtt ggtggatcat ggccagctca tcatctctaa gaagacggct aaggtgcgtt 660
 tttaccactt tctctccagt tcttgactct tgtcagaata ctgactttca gacagttcca 720
 gattcttggc ttccatgacc cggcgctct actgccgaaa aactgaaga tatggtacca 780
 ataccatggg aaagaacatt atgccgaggc cacggatgca gaggcgctca cttgccccat 840
 gcgctctcat ctgcttgcgg cttgaagcct ttgggagaaa ttaaaccagt cttgcttgcc 900
 caagactacg catatcggct gggtagcgc acctctgtat aagatctcct ctacaatacg 960
 gctattaggc aaactcctct cctctttgta tcatctgctt cgattttgga ccatatactc 1020
 gtcactgtgg gagatttgaa gtttttttta gatgtattag cgacctgttc ttgcatagat 1080
 a 1081

<210> 20377
 <211> 1081
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20377

gcgacaccgc cgaaggctcg gaagagtctc agaaacagcg gagaagaggc acaagatcac 60
 cagctgcacc gacatcgctg cgcaggggtg cggtagaagc acagaggctg agggacagtt 120
 ttaagtccaa ggctcaactt agggaggctg ggctgttgca gacaaagggt cggcttttca 180
 cgggttccga ctggcatcgc tgacattcga accacaagac agtcactgcg tacgctgtag 240
 ccgaacagtt taacattcgc aaagcgagag agattctgca ggaaaaaggc tacgagcccg 300
 acccccttgg aaccggtcta taccctcagg ttgttcacgt ccaaattccg cttgattcta 360
 ttgcgccagt aagcaatcct agcgcggagg gtctttctcc ggaagaaatt ggcgatatat 420
 tcgttttccc ttctggtacg gtcgtgtcat ggcgcttcc agaagggttt acatcattct 480
 tagcgactag gacgttactc cctgcggcag agggagcgca tggtgatagc ctggagactg 540
 aagatcttga gtatgttgag gatgctcagc gtgataacag tagcattcat ggagacacca 600
 tcgtcttggg aaccaaacc agtgatgccg cgtggcgcca caatcttcag gtcactcagtc 660

tgtggatact gttctaacca aggtcgccctt ctcttctggg ctcgctcgca gcacaaaact 720
 ggcggtttta gaaacattgc tgtccaacta cttcgagtcg acgcgaacta tcccaacact 780
 catgtcgcaa ggatctcgct taccctatac tcgagacttc attctccgaa agactggaca 840
 gctactgagc gtccgcgccc aattgaacct ctactcgag ttgaccgact cactccccga 900
 catcttctgg gacagtcgac atgagcttgg gctggaagga tattacgagc aggttggttag 960
 ggcattggat gtgggaattc gcatcaagct actgaatgag aaaatggact atgcgcaaga 1020
 gattgccagt gttctccgag agaggctgag tgagaccatg gactgcgttt ggaatggatc 1080
 a 1081

<210> 20378
 <211> 1089
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20378

gctgtcgaag cagcactcaa gctcgctcgt caatacttcc tcgaactgcc aacaccccaa 60
 cctcaacgaa cagattcat cgcccgcaag ctttctacc acggcaccac tttaggagcc 120
 ctaggagtcg gcggccatgc cctccgccc caacccttcg agccaatcct atcccaaaac 180
 gtctcgcatg tttcaccatg ttatgcgtac agagggaaga acgatggcga gtcagacgcg 240
 gactacgtcg cccgactcgc aggcgagctt gacgcagagt tccgacgagt cgggtccagat 300
 actgtctgcg cattcatcgc ggagccaatt gttggcgcgg tacgtgcagt tccctttgca 360
 tccacaaaca ccccgaagat ttgttgcgta cggtcgatac tgacgcaa attaggccta 420
 ggctgcgtcc ccgccgtacc aggtacttcc gccgccatga agaccatctg cgagaaacac 480
 ggcgcccttt tcatactcga tgaaatcatg tgcggtatgg gtcgctgcgg cactctgcat 540
 gcctgggaac aagaagacgt caccacagat ctccagacaa tcggtaaagc gctgggagga 600
 ggatacgcac ctgtctcggg actcctaata tcggataagg tcgtgcagac tgttgacaaa 660
 ggcactgggg cgtttcgcca tggccagacg taccaggac atccgatata ttgtgcggct 720
 gcgttggcag tgcagacggt tattgtggaa gaacagttgc tcgacaatgt aaagtctatg 780
 ggtgagtatc tggaaaagag gctgagaggt actttagaag ggatgcagta tgttggggat 840
 attaggggaa agggattgtt ttgggggggtg agtcccacca acatatatccc tgcaatTTTT 900

cacctaaatc atacggtgtg gatactaacc gggccgtgct ggcaggtcga gtttgtcaag 960
aaciaagcta cgaaggagcc ctttagctca gagactgcac tagccttcaa gatccaggag 1020
acaggtatga aacctgaatt cgggatctcg ttgtatgctg gcacaggcac tgtaaatggg 1080
acgcgcggc 1089

<210> 20379
<211> 1092
<212> DNA
<213> *Aspergillus nidulans*
<400> 20379

tggacgcggc ccagttcact gacgacgtgc cgtactggca agagaataac ttttactacg 60
atttccagaa atcgatctca ttctggcgat ggggagggca cgatgtccgc atctttggaa 120
ggggaacgct gaatggaaac gggcagcggg ggtataacga gtttgccggg caggagatct 180
tgggtattctt cagtcttctt tttctatttc gaaaccgatg accaactaac aggttgaagg 240
accctgacaa cacatactac cggcctatcc tcttcgtagc agagaacgca acccgtctct 300
cgggtgaagg catcacggag ctcaactcgc cgtgctggac aaatttcctc gtaaatagca 360
aagatatctc gttcgataac gttttcatca atgcctattc caciaaatgcg tcggtatggt 420
gttcggaact agtctcacag ctgaaacctt caattaacca tgacaggccg aacaaaaaaa 480
cacagatgga ttcgactcac ttaacgtcaa tggactgtcc gtgactaata cccgtgtcga 540
tattggagac gactgcttct cggcgaaacc taactactacc aacatctttg tgcagaatct 600
gtggtgcaat aactctcacg gcgtctccat gggaagtata gggcaatacc cgggtgttct 660
agacattatt gagcacgcgt atattgaaaa cgtcacactt cttaatggcg aggtacgtct 720
ctttccgata tcatgctgag aagcctgtca tgcggatcga gtctgacggg tgatagaacg 780
gcgcccgtct caaagcatgg gccggcgagg acgtcggcta cggccgcac aataacatca 840
catacaagaa catccatggt gaaaacactg attaccccat cgtcctagac cagtgtctact 900
tcaacattcc ggcgagcag tgcgagagct acccgtcaca agtcaacgtc acgaacatcg 960
tctttgagaa tgtgtacgga acgtcgtctg gggccgaagg gaacgtcgtt gctgaactca 1020
tttgttcacc caatgcgatc tgtgaggata tcaagctgaa gggcattaat ctacgcacgc 1080
ccgagggaga aa 1092

<210> 20380
 <211> 1092
 <212> DNA
 <213> Aspergillus nidulans

<400> 20380

```

aatgactga ctctagcaac gtgtcgaatc taccaaccac ggacatggct gaatcggctc   60
agaccgaggg ggagaagagg gaagagaatt ctgtgccccaa gcaagaggag tgcgcgcccc 120
actttccaga ggggtggtctc agagcttggga gtgtggcggtt gggcaatgct ggcgtcatgt 180
tctgcacttt aggtatatatc aactcctggg ggtacgtgaa gcgttgtcca tagctgctca 240
aaactaatgt ctgcagtgtc taccaggcct attatgaagc aaaccagctc cgcagcgaaa 300
ccccatcggc catttctctgg attggctctc tccagacggt ctctatcctc agcgcctctc 360
tcgttggggg gcctatgttt gaccgatacg gcgcaaaagt catctacccc ccagccgttg 420
cattcgtgtt caccatattc atgacgagtc tgtgcaagga atactaccag tttatgctag 480
cccagggcgt acttggcggt gtcactcaag gcctcactat gacgcgggcc atggcagcaa 540
cgccgcagta tttcttcaaa aagcgcggtg tggcaatggg cttaggagtc gccggcgctt 600
ctgttggcgg cgttatacac cctattgtat tgaatcaatt gcttactcga actgaccttg 660
gctttggatg gtccgttcgc atagaagcct ttttgatttc tgtggttctg ttgatttcgt 720
gccctgcgat tcgggccccg ttgccaccgc gcaagagcaa gtttcttctt ccaaaggcgt 780
tcaaggaagc agggtagaca tcgcttatca tcggctctgt ctccacgttc atggggatgt 840
tcaactccgt tttctacctt ccgtcttacg gtatctcgaa ggggatgtca ccaacactgg 900
cattctatct cagcgccatt ctcaacgccg cctctttccc aggcggtatc gtgcccgcaa 960
ttctctctga tcggttcggc aagctcaacg cctttgccgc agccggagta gccacaggta 1020
tactcacact atgttggcag cgtgtggagg gcaatgccgg gggtatcgtc ttcaccgcgc 1080
tctttggctt tg                                     1092

```

<210> 20381
 <211> 1095
 <212> DNA
 <213> Aspergillus nidulans

<400> 20381

tgacaacagt ggacttgcaa atgatgggca caaaatattt gcgcatggac agtgcaaagg 60
 tcatgaaggt aaatgctcta tcacgtaaaa tgctaatatg gtgactaatg gaacctagat 120
 tgcagaaaat ctgtacacta aaggatttat aagctaccca cgaacagaga ccgatcagtt 180
 tgacaaagga atcgacctga agaagcttat cgagaaacaa ctacctgatg agagatgggg 240
 agagtacgct cgctgggtgtg ttgctcactc tctaagctct atcaactgct aaactgcatt 300
 actagtctcc tcggcgggcaa tttcagaact cctagggctg ggaggcacia tgaccaagca 360
 catccaccaa tccatcccggt ctgctgggtt aacccaccca cactgactga agatgaaaga 420
 aaggtgtacg agtttggttac ccgacgggtt ctgcctggtt gctcagacga cgcaaaggga 480
 caatcaaccg acgtcgagat acgttacgga gatgagatgt tccacgctca cggactccta 540
 gtcttagaaa ggaactacct ggacgtctac gtctacgaca agtgggagag taccacaaca 600
 ctacctaaat atcaagtcgg cgagctattc gaacctacag aagcgaacat gttcgatgga 660
 aagacctcgc cgccaaacta cttaacagaa cccgagctta tcggactcat ggacgctaata 720
 ggtattggta ctgacgccac gatggccgag catatcgaaa ggataaagag tcgtgaatac 780
 attggcgaaa tgacccgagg aagcggccga aacgcgggtga aattactcat tcctactcgt 840
 ttgggtattg ccttgatact aggctatgaa gatgttttcg ctgggctcgc agacagcccc 900
 tccctcagca agcctttttt gcggaaacag atggagctgg aaatgcggga cgtctgtgct 960
 ggcacgaggt tacgaacaca tgttgtccag caaaatctgg atatgtaccg ggagttgttc 1020
 attcacactc aaaggcggat gaatatgctg aaggctgcat ttcggaataa cattgtcgaa 1080
 ggagaggatg tgtga 1095

<210> 20382
 <211> 1106
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20382

ggcggtgcaa gtatgatacc cagcaccacg taaaaacctc aattaaccta ccatctaggt 60
 aactatttat cgacgagggt gacgagctgt tgctctctga ctgggaagaa tacttcaaga 120
 aaatcatgtc aggcggaggt ggttcctgtc ttcccaggcg tggggctaata gctgacaagt 180
 acagacataa atgaggacgc agaccatcgt tatatgatgt tctcgccac attcaacaag 240

gaatgtcgcg agcttgctcg caaatccctc gctgacgacc atgtccgtgt tcgcatcggc 300
 cgccccgggt gcactcacgt caatgtcgat cagaatgtac gtaccagga tgcccacaaa 360
 ccatgttca accactaaga aattcgaata tcagattatt tataccgaac cgcaactgaa 420
 gaaaaagtgt ctttacgata tactcctggc tatgcagcct tcacgtactc tagtggtcgt 480
 caactcgaag gcaacagctg accagattga cgactaccta tacaatctgg gattaccaag 540
 tacctccttt cagcagatc gtactcagcg tgacgtgagg atgcattgta agctggcaat 600
 tggctccgat cctgatacac ttgtgctcat gtgcttttag gcggtcgttc cgctccgcga 660
 aatgcccgat catggtcgcc acaggcggtt cactcgtgg tttagatata aagaatgtaa 720
 tgcattgtat caattacgac ctttttaatg cgttgacagg tggcatcact gactacatcc 780
 acaggatcgg taagttgatt taccaatgca agtcccgaca cagtcgtcc agcaagccct 840
 aacatctgag aggacgaact gctcgtattg gtaatgaagg tcttgcgact tcgttctaca 900
 gcgacaaaaga ctcagccctt gccctgatac ttgttaagat cttaatcgag gccataaac 960
 ccgtccccga cttcctctct agattcaagc cccccgaggg cgaaggcatt gacttcacg 1020
 atgacacccg acgatgagaa tgggtgagaac gacgagaatg cccgctctag tacttggggg 1080
 ggcttacaac ccgctcttc cgacca 1106

<210> 20383
 <211> 1107
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20383

gggcgccgac cgacaagaag ctattcgcaa gcttgctgca gcattggaag agtacgaggt 60
 ggccggccca gcgacgaata tcgagttctt gaaatcagtt tgcaaaagtg ccgacttcat 120
 ctctggcaaa gtcgaaacgg gttacattga gaagcatcac gacgagctat tcgcccatac 180
 gccaatgag ccggaagtgc tggcacaagt agcactggct tgcttgcatg acgacgctcg 240
 tctcgccgcy caaaaagcaa ccaattttca aggtccgca gtgggatttg ggccaggctt 300
 ccaacaacac cacatgacct tcacgaactc agcatcagca aacaacgagg cctttgacgt 360
 caaagttcaa caaacggag agaacgtgtt caatgtaaag attggcgagc acactttcga 420
 gcaggtgacc agccacccta atgcggactt ccgcatcatc acctcgttct tcccgcacac 480

ccgtttggac accactgtca tccgcgacgg cgattcaatc gtcgtatttc agcgcggcag 540
 gcaataccgc cttactacac cacgggcgaa atggatggaa aaagcactcg gcatgaaaga 600
 cgtcacaaat agtgtactcg cccaatgcc ctgcaaagtc ctccgtgtcg aggtccaagc 660
 cggcgatact gtagaaaagg accagccact tgtggtgatt gagagcatga aaatggaaac 720
 agtcatccgc agcccacaaa gagggaaaat tgccaaagtc gtccatcaaa aaggagtaag 780
 tcatgcgatc tttcatcacc attttaccce tgctcaatgc tgttgcaatt ctttgcttcc 840
 ctttgttttc tcttgctttt cacttcagct cccagtactc agattttttac caatcgaggg 900
 cccagagtcc ttcccagaca tgcaggctta ggagcttcgg actccaatca gggcctgact 960
 gagtaactgg ccaaggcgga ccatatacag gcttgttgct aagcttcggt ggttttctct 1020
 gtcgagtttc tatttggtcg tttattaatt tatcgcgcaa ggctaataatt tattccttac 1080
 aggaccaatg caaaagcggg acaccgc 1107

<210> 20384
 <211> 1108
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20384

caatgctcga gccattctt gctcttctcc tcgtctactc cttctactcc tacctcgttg 60
 caccgattat aacctacatt tgggacccta agaactctcg ccgtaccct aatttccacc 120
 cctcccagg catatccgac atcccatttc tctcgtctgc tcaaaaagtc ttcgctctcg 180
 caccttgca cgcctgcacc agcaccaccc aattgtatgt gttggcccca acgcccctctc 240
 ctacggcgca ccgaccgcaa tcaaagatat ctacggccac gggacaacat gtgttaagga 300
 tagattctat tcagaaaagt cgggctccca tgccatctc gcaaacgtag ttggttaagca 360
 ggaccatgcg cggaagagga aggtgctggc gtctgcatac gcaatcaaga accccgaggg 420
 ctgagagtac aaattgtctg gtatgacggc tcgactgatg agagtgtttg aaggcaaatg 480
 cacggaacct ctcccttcca gtgttttaggc cacagaagag agagacttaa cgattgactt 540
 tcggtccttg acgaaccatt ttacagttgt ggccattgcc aatatcgggc tgactgagga 600
 cctgggcttc cacgagcagg gctccgatac gaattctttg gaatcaatgg atgggcgagt 660
 gaaggatgtg tcgtttaaag aatgtcgca ggccctcagga acagtccgat accgacttat 720

ctgggcgtat gactggttcc ccgtcctgaa gagattgagc aaggtgctct cgcctacta 780
 tcgcaaactc gggaagcttg acgtgactg gaacgggata gtgtataatc gagcaacacg 840
 gcggctgaat gtctggcgaa aagctcgacg acttcttcac ggccatgatg gaagataaga 900
 aaggcgcagc gcacaatctg gaaacgggag agatcgtggc cgagatcagt atcatgatga 960
 atgcaggatc agacaccaca gcgattgctc tgaggaatgt cttgtttctt ctgctcaaga 1020
 acccccgggtg catggcaaga caccgcgagg agattaacgt ggttcttgat aaagataaac 1080
 tggtaggcacc gcacacaaag gttaaaca 1108

<210> 20385
 <211> 1108
 <212> DNA
 <213> Aspergillus nidulans

<400> 20385
 tcaatgagac tcaggagggc atcgtgactg tcgcgcaatg ggtcatgttt cacaggtatg 60
 ataaactttg gcgtttgttg ccagttcact aataatgcac ttcaaatacag gcgccatgct 120
 gagcgactg cacaattatg gcttcagaaa ctccgcgatt cccagccgc aaagcgctt 180
 aacctgatat acctcgcaaa cgggtgcgatt atctcgaatt attgcccata aacgaaacta 240
 atgcagaaaa tagaggttgc gcagcagtcg agagcacggc gcaaagagga cttccttatt 300
 gccttttcac ctgttagtgt tgattgtacc gacaatgaga gcggcagcta tgctaacacg 360
 gcctagatca ttgccgaagc ggtggcaatt gcgtacaaag gtgcatccaa cgatattcag 420
 cagaagctca gacgtgtggt agaagtctgg aggcaacgaa atatcttcga gcctccaatt 480
 caggatgccg tcgaggctcg agtggatggt aagattgtcc cagccattc tgctgaactc 540
 catgctcata ataccagaa atcgataaat cgcgttcac gggcaagaaa ccgttgcttg 600
 gcggttcggt attttcggga ccatcgggtt caacgccgctc agagttgcaa ccaatagttc 660
 cgctccaggt agccctatcc aaggcggcgg ttgcgtctgg cacatctggt acgactgcca 720
 atgtggagta cgagaagttg aacgacccaa ataccctgtt gcctacacct cccgtgcatg 780
 cagctcgtct aagttcactc ctaaaaacgc tggcgaatgc ggaaagctct gtgtcagagg 840
 tcatcaagtc acgccgtgcg cttattgatg ggttgagaa aattcttgag accaatcgta 900
 ccgctttatc gcaggaggag gctctggctg tgcaattgca ggaaaggagg gcagagactg 960

aagcgaagaa acgagaagta gaggatgcga ttatgcgagg gctttctgca gagaataccc 1020
cagcagcgga ttccgggagt gctacgggga gcggcgaacg ttcctcgtec agcgatcgaa 1080
ggacttacgc ctctccagt tgaagcga 1108

<210> 20386
<211> 1109
<212> DNA
<213> Aspergillus nidulans

<400> 20386

ttgaaccgcg cccatcagag caactctccg cagtcccaga aggtgagggc cacgattcct 60
cgcagtcgcc ccctgacgac acaggatcatg acctaagtga tgaaccctc caggacgtac 120
acatcccaga ggagccccca tcacccgaga taagccccga tcagcttgat tttgatgaag 180
ctgcgtaccc ggaggacctg caccgctcg tccaggacct cgtcgaggaa gaagttcaca 240
acaaccacac agtctggagc gtcattcgca cacaccaccg cgaagccctc gccgaatctc 300
tcgcagtttt catccagctc actggtggcc tcgccgaga tctcagcgtc accctcggcg 360
gaaccacaaa cccaataacc acagcctggg cctggggttt cgcagccatg atggcaatct 420
acatctctgg tggcgtctcc ggtgcacacc ttaacccaac catcacgtgt atgctctggt 480
tttatcgcg atttcccaag cggaaaatgc cagagtactt tgcggcccag tttattggcg 540
cgtttgttgc cgcgcttgca gtctacgggc tgtaccacga ctctataaat gaatatcttt 600
ccatcagcac aagcagcaca agcagtacaa caaacgtcct caacagcttc gtcacatccc 660
aacgcaaccc ttggatcaac ccgcaaacgg ctttcttcaa cgagttcctc ggtacagtcg 720
tgctcactgt gaccgtgctt gcgctgggag acgaccagaa cgcgccacca ggcgaggaa 780
tgaacgccct ggtcgtcggg ctaatggtgt acacgctgag catcacatct tcctaccaga 840
ctgggtgctgc actaaaccca tcgctgatt tcgggccaag attagcactc ctagccctag 900
gctatggaag cgacctcttc ctcaaccgt actggttcta tggaccctgg gcaggcagct 960
tctgtggcgc ctttattggc gcctttcttt atgagtttat gatcttcact gggggtgaga 1020
gtccggtgaa ttatccgtgg gagaggactg agatggcgat gaagcggagt agggagaagt 1080
gggggaggag gttaaagaag ggctttaag 1109

<210> 20387
 <211> 1110
 <212> DNA
 <213> Aspergillus nidulans

<400> 20387

```
tctgatgagg tgcgccagaa tcttggtgta atcgggtaag aggatggact ggctgatgtg   60
cttccgtttc gcagggtgtc ttcacctctc tagtcgagaa cctcggcgtc aagggcggtc  120
agttcgagga gctgatctcg cttgatcctg ataccatacg ctcaactgggg tgcataactca  180
acctacactt acttcctctc cagaagacta atttcacact gcaacagAAC agtttacggt  240
gtaatctttc ttttcaaata cctccgcaa acacccgaca ttaacacatc ctcatccgcc  300
gacggcacc caaccgacc ttcacgctc ccacctcct tcttcttcgc taaccaaact  360
atccaaaacc cgtgcggcac acaagcgatt ctctccgtcc tgctaaacca cgacaccct  420
tcgccagaga acaacaatga ccccatcacc ctcgccctg agctttctc cttcaaggat  480
ttcacgacgg gatttcctc ggacctgctc ggcgaggcgc tttcaaactc tgaagcaatt  540
cgtaccgctc ataatgcgtt tgcgcgcgcg agccccttcg tcgatgagac ggtgcggccg  600
cgcgacgaag acgaggaagg cgacgtgtac cactttattg cgtatacgcc tgtgaacggg  660
acgctgtatg aattggacgg attgcaggcg agccgatat cccatgggccc gtgtgatgctg  720
agcatttttc cggagaaggt gattgaggtt ctacagaagc gaatcgcgcg gtatcctgag  780
acggaaacga ggttcaacct catggctgtt gtgaaggatt tgaggatccg ggctgcggag  840
atgggggacc aggaagcact taatacggag gagagaaaga gagctggttg ggcttgggag  900
aattctttgc gcaggagtaa ttttgttggg tttattggag aggtgctgaa gggggttact  960
aaggtgaagg aggaggaggg aagtgtggag gagtgggtta agagggctga ggcggagacg 1020
gcaaggagat tgaggcgtaa cgagctttcc tctattttca gtatggacga tttggatcat 1080
ggatgaatgg tctttgtatt atactctgca                                     1110
```

<210> 20388
 <211> 1117
 <212> DNA
 <213> Aspergillus nidulans

<400> 20388

```
gcgccagcaa agataatacg ttagggcatc ctctgctctg tccgcgcgag agattaagtg   60
```

agatcaacaa ggctgttgtg gaaaagtata gagcaacttt ctccgtccc gaacgcatgg 120
 ttgttgccctt tgctgggtgtg ccgcatcacg aagcagtaag gctcacagag tcgttggttcg 180
 gtgatatgca aggacctagc acgaacaatg gacctagcct gtcggggacc ggtgttgaca 240
 ccaccttgtc agattcaaag tctgaaggac aatttgcggc cgctcctcag ttacaccga 300
 cctcaacggt cgcgtctgcc cctgccacaa ccgactcaag cattctttcg aaactcccct 360
 ttctcaaaaa attcgggtcc aataatccct catcctcaga gtctgcacca gtagatctga 420
 cccaagcttc ccactacacc ggtggatttc taactctccc ccctattcct ccgccagcga 480
 atcctatgct cctcgattg agctatatcc acctcgctt cgaggcgctt ccatttccg 540
 accctgacat ctacgtctctt gcaaccctcc aaacactcct tggaggtggc ggatccttct 600
 ccgccggcgg cccggggaag ggaatgtact ctgctctgta taaaacgtg cttaatcaac 660
 acggctgggt cgaaagttgc attgcgttca atcacggcta cacagacagc ggtatcttcg 720
 gtatctccgc ttcattgcagt cccaccgcga tcaaccaa at ggtcgaagt atgtgccgcg 780
 aacttcaaaa cctcaccctc gacaccgggt acacgtctct ccagccgcag gaggtcaacc 840
 gcgcgaagaa ccagctgcgc tcgtcacttt taatgaacct tgagtcgcgc atggttgagc 900
 tcgaggatct aggccgccag gtgcaagttc acggccggaa gatcggcgtc acggagatgt 960
 gcaagcacat tgagtctctt accgttgagg atctgcgagc gtcgcgcgca aggtcttcgg 1020
 tggccaggtc cataacaaag gacagggtagc tggtaaacct actgttggtc ttcaggaggg 1080
 tgagctggaa ggattcaagt tgcgtccctt cgctgg 1117

<210> 20389
 <211> 1118
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20389

cgatgaagct ggcgacgaag ccgtcgatga gtatacgttg accgaggttt tgggcgttaa 60
 ggaagctgcg gctaggcttt cagagcattg gaacactttt atcacagagg aagacttcgc 120
 gcttattgct gaggcagggt tgaattatgt tagaatcccc atcggttatt gggcagccgc 180
 accgcttgat ggcgaaccgt atgtctccgg ccaactcgag caccttgata atgccgttgc 240
 ctgggcgaga gtcataatc tcaaagtc atgtggatctt catggcggtg agtctctatt 300

aagccagaag cagtgcactc ctatctctga caaatcgacc agcaccggga tgcgagaacg 360
gattcgacaa cagtggacgc agaggaccta ttgggtggca acaaggagac accgttgagc 420
agacaattct tgcttttgag accttggccc aaaggtatct agcggacgac gataccgtaa 480
cgatgattga ggccctaaat gagcccatg ttcttggcgg catcaaccag gaccagctca 540
aggattacta cgaagagacc ctggcaaggg tgcggaagaa cagtcccgaa gcgaccctgc 600
tcctgcacga tgggttcgtg caaacggaag gctggaatgg ttttatgact ggagagaatg 660
ttatgatgga caccaccac tacgaagttt tcgaaggcgg ccagaatgcg tggagcattg 720
aaaagcatat tgatgccgct tgccaactcg gacgtcagca tctacaggct gccgacaagc 780
ctgttatagt gggcgagtgg acaggagccc tgtcagattg tactagatat ctaaaccgaa 840
agggaattgg aatccgctac gacggtacgt tgggttcgaa cacagcagtc ggcgcttgcg 900
gaagtaagag tgagggtagc gtggctggcc tgagcgcaga tgagatcgcg aacacacgtc 960
gctttatcga ggctcagctg gacgcattcg agctgagaaa tggctgggtg ttctggacct 1020
ggaaaaccga aggagcaccg ggttgggata tgcaagattt gcttgcaaac ggcgtcttcc 1080
ctcaaccctt gactgacaga gagtttccaa accagtgc 1118

<210> 20390
<211> 1121
<212> DNA
<213> *Aspergillus nidulans*
<400> 20390

ggaggagaag aagcggcagg agagaaagaa gtcgcaacgc gtttctgtta ttggaccgtc 60
ggtggaccgt gaagttggcc gtgtgggcct tggctcctagc ccaactcata tggattacaa 120
tgccttccga gagttcctcg ccgcaaccgc aaaatgggct atagctgatt ctccagggtcc 180
ctcccgaag caatccgact cgggcagctt ccgaggactg ggaagaccta ccatgaacat 240
cacaccgtcg ccggccgacc atgaattcat gcagcgcttg tttcgcaagt ggtcaactga 300
cccagatgat ggcttaagtc tgcaggatgt tgtcaacggc attgcacgtc tgaaagggcc 360
gcgagatatt atgaacaata tcaattatct ttttgacctt tatgacgaca acggggatgg 420
caaggttgat agagagggtg ttcttcgaat gtcagaagcg ctgctctttc tctcccggcg 480
gggattcgac ggaaccatca ccccagtcg gagcactgaa aatttaatgc caggcaaaga 540

agaagataaa ctcagcacgg gcgagcggtt tctgggaagt gtgagctcct tcatacggcg 600
 ctgctttgaa tatgccgacc ctaccaaaaa gacattagaa gctgaaaaat tagccgaaac 660
 aacggacaac ctcaactcgt tcagtattgg agatgatgag gaggatttga tagacgtggg 720
 tgacgacgag gtaaaatccg agtcaacccc aagccctgag ggtgaaacgc ccgggacgcc 780
 ttccttggag ccaacagAAC gcaagcgtgc tcgaagcaca tctgaggcgg caaatccggc 840
 tctcgacccc aacaaccctc tgcatatcac cttcccact ttccggatgg ttgttctagc 900
 agacgaatta ctagagcagt tcttcgacaa ttacttcccc cagtccctcc atctttccga 960
 gcaaggcgcg gccgccgcgc aactcccgtc cctgtcctca aacctcacia cattctctaa 1020
 cattggagct gccaaacaac agccaacatc ttctggcccc acagtgcgag gcgcctccgg 1080
 tggcatcgtc ccaccaaacc ggggactccg tggcgttttg g 1121

<210> 20391
 <211> 1122
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20391

catcgcactc gccggtctgg cgacatggct tcgctccgtc tggaacctgg tcaaccgata 60
 cgccgacaca tgcatagcga cagtgtacat taacgaacat gaccctcttt acaacgatgt 120
 aatccaatgg atgaacgatc atatcttcaa agatcgcaac ttctgctgcg ttcttgcagt 180
 caccgataat catcatcgcc ctggaaaacg tcagggcctg atctcagcca tcgcaggccc 240
 aatgaacccc gccgacgcca gccgcgcgca agtactcggg aaaagcactt tcgaactcaa 300
 gccgtttaac gggtcccgta tattcacctt cagagggaga tgggtgctat tcagccactc 360
 ggcgccgagt cggaacaatc ccactttgca ggatggagcc gaggaacgca tacacctcaa 420
 gctgcagaca ctgagcctct ctcttgatcc gctccgcgct ctgatagagg aggccaatgc 480
 gtacagcaag aaactcgcca agtcgcagat tagcgtctac cgcgcgatgt ctaatgtgcy 540
 ggatcttgtc cgggtgaaca ggatcactac cagaccttcc cgagcgattt cgaccgtgat 600
 cttggacagt tgcaagaaga aggcagtact ggacgatatg cgcgagtatt tacgtgaaga 660
 tactcgccag tggtagcga accatgggat cccttaccgt cgggttatct gttttcagga 720
 ccgccaggaa cggggaagac gagtctgtct tctgcacttg ccggcgtttt tggactcgat 780

atctatgttc ttagttctcct ggateccaaac atttccgagt cgcatttcct acgtctgttc 840
tctgaggtcc cgacgcagtg tgtagtgctc ctagaggaca tcgacgcagc cggcatgacc 900
ctaaagaggg caaatgagga accagtcaca gcagatacaa cggcatcttt tgacgttatg 960
aagaagcggg cgagaccagg cgctccagtc cctacatccc cgcctacacc gatctcgttc 1020
tcggctctgt taaacgccat tgatggcgtg tcctcgcaag aaggtcgcat tctcatcatg 1080
acgaccaatg caccocagga tcttgatccc gcgttgatcc gc 1122

<210> 20392
<211> 1126
<212> DNA
<213> Aspergillus nidulans
<400> 20392

atgagtttat ctgactgtat aaagtctccc aagagctcca cgatgccttc tcccgttcgc 60
gtctgatacc tctatcttct gtctccccgt gacaatcagc cgcggagcgc ctaaccccg 120
tttcaacgct ccccttctcc ggctttggag agaacgcgtt ctacgcctca ctgtcacagc 180
taacttctgt gttggagcca aagacgccta tttacctgtt aatccgccgg actggatcta 240
atctgattgc cttaacgtac attccctcca acgctggggg gcgtgcaaag actctcttcg 300
cgtctacacg ggcgacgctg gtgaggggaat tgggaagcga gaagttcagt gagacaatct 360
tcgccacaga cgaggaggaa gtcacgcgag agaatgcatg gaaggagcgg gaggcagaga 420
agaacgggac ttccactggc gggttatagaa gggaggatct aatgggagaa aaggaaaggg 480
aattggaagc tgtgcggagg gcggaggagg ctgcaaggag tgggactcca gggagggata 540
ttgggatcgg tggaacgttt gcgagaggtc cttctaggat gaaaattgaa atgcaagtgg 600
acgaggatgc gaagaatgct ctaggggggc tgcagcaggg tggacttggtg cagatggtga 660
gtttgacaag atatattcaa ttgcactgtg cgttgattaa aagctaattg tgttctaata 720
acaggccatt gacgtttcaa cggagacatt caagctcact gcggctgagt ctggagtga 780
cgccaattcc gtccagaatc acatctctgc ttctcaccg agatacacgt tctaccacta 840
tcccgaactc gacaccatca tcttcatcta tacctgtcca tcaggctcgt caatcaagga 900
gcggatgctg tacgctagtt cccggatgca tgcgctccag gtggcggaag aacagggctc 960
gaagattctg aaaaaggtac ggcggttga cgaatgacag accgggaact aacaaagaaa 1020

tggcagattg aggccggggc gcccgcacgaa gttacaggcg aacgccttca ggaagaagtg 1080
aacccccgc agaacaacgg tctcaggcaa gggttcgcaa agccca 1126

<210> 20393
<211> 1130
<212> DNA
<213> *Aspergillus nidulans*

<400> 20393

tgccccgtcg atgaatgtgc taacctccat aggccacgtg cctgaagtaa cgggcggtga 60
aacgttcttc tatcccaact tccacgcgcc tagggatatt cggaaacttt ctgaagaagt 120
ggcgcatgcc gtttcgcgag aaaagggtta tcaggcattg atgaaagtcc gctgttccaa 180
tgggttgcag gtttcggcgt atcacgggaa ctttgtgcag cacacattcg gcgcggatct 240
cgaaatcggc gcaattgatg ccgacaaagc gattgcagtt cttttcagct atgacggcaa 300
gcttgacgcg aagctggatg cacacttcca agctgcgtta ctttatacgt cggcgaacgg 360
acagcgtcgg gtacgttgta tcaacatagt ggcgcggtc aacgatggcg gactggagac 420
catgaagttt atcgaccagg atgccgtcgt gagcataatc gctaaagaag gtatgcttta 480
tcttttgta aatggagctg gtagctgaca ggagtagccg ctgccaaagac gctggacaag 540
aacctcaagg atatccgagc gagcattaca gagaagactg tggatatctt tagcggatac 600
cgtaagggtg tttctggatc gcacccctcct ggccagcttg tattgccgga gaatctcaaa 660
gagttctcca tgttcaccc t aggcctgatc aagtcacggg cctttaaaagg tatagttcac 720
taatgattcg agagaaattt gactaacttc ttgtacaggc ggccaggaat catcagaccg 780
acggatccac gacatccgga tgctacggtc aataggctgt actgaattat cactgtactt 840
gtaccaaga atcattccta tccataacat gcagccagag gacggattcc cgaatgagca 900
aggccagcta caagttccgc ctcccttcg ggctagtctt tccaagatcg aagaaggcgg 960
acgatatttg gtcgacgacg ggcaacagtg tcttctatgg attcacgcac aagtatctcc 1020
taatcttttg gaggacctct tcgggtcccg gcagacatct ttgcaagagc tcagcccgca 1080
aacttcgtcc attccagtgc tggagacaca tctcaatgcg caggtccgca 1130

<210> 20394
<211> 1131

<212> DNA
<213> Aspergillus nidulans

<400> 20394

tggtggcccg gttcttccag ggcgtcgggg cgtcgacctt ctctaccatg gtcggcgggc 60
tgatcagtga tatctaccat gcgcgatgagc ggaacacgcc catggcgctg ttcgccgcgg 120
ccgcgctctt cggcacgggg ctggctcccc tgctgacaag tgtgatagta gcgcatacct 180
cgtggcggtg gatctattgg tcgcgatcaa ttgtctctgg ggtgtttgtg ctctattatct 240
tcttcttctt caaggagacc agaggtagtg tgatcctgag ccgcaaggcg ggtgccctga 300
acacgtacta cgagcagctc gaggccgcgg gacacgttgg agtcctgatg ggaagtgacc 360
ccaaaccaag acggatcagg tggaaggcca agagcgatga gcagcgccag tcgctcgtgc 420
agatgatcag catctcgctg taccggcctt ttcgtatgtc ttaccctctt tacccttat 480
cggttcggtc tgtaggtgag aagatcacta actaagggat gatacagaca tgctcgtcac 540
cgaaccggtt gtcttcttct tctccctctg ggtctccttc agctggggcg ttctctacct 600
gcagttcggc tccatccgcg tcgtattcaa gacgaaccac gaattcaata tcgagcagac 660
cggtgctgtt ttcacctgta cgtgcccaac ccctgcacac ccttttccaa acggcgcatg 720
ccatactgat cttgaaactt caataaagcg atgtgcgttg gtccctctt aatcacctg 780
atttccatct accaagagaa aatcgcaaac cggttcaacc tgctccctgc cactcccgaa 840
gcccggctct acttcgtctg cttcgaggcc gtcctcatgc ccattgggct cttctggttt 900
ggctggacct cctcccttcc catccactgg atctcgccga cgattgcgat cgggtgctca 960
actatgggga tcttctcgt ctacctggcc gttttcaact acctcgccga tacgtaccac 1020
cggtagcgga gtcggcgat tgccggcgag agctgctgcc gaaatctgct ggggtggcgtg 1080
ttccccctcg tcaactaacgc aatgttcaat aatctggggg tccccgaagc a 1131

<210> 20395
<211> 1135
<212> DNA
<213> Aspergillus nidulans

<400> 20395

ttggcgcgat tgctgccttt acatgtggcg agcggcttgg gcggaagaag gctattttgc 60
tggaacgac gatcatggca attggaacta ttatcaaggc gagtcatac agtctcgccc 120

agatgtttgt tggctcgatc gtccttgggt atgctattta tgcctccctc gagttcaaaa 180
 cctgctaata ctgagattct ggggtccagt ataggaaacg gtatcaatac cacgacggcc 240
 cctgtctggc agaccgaaac cgcgcaccac aagtggagag ggaagtgggt catcttcgag 300
 ctggtaatga acatcgccgg cttctctttg gtgaattgga tcaactatgg gctctcgttc 360
 cgtggaggcg cgggtggcatg gcggttcctt atcgcttcc aatttgtctt cattgtcatt 420
 ctctttgcaa cggctccctg gcttcccgag tcacctaggt acgcgtgtat tagagtgtct 480
 gtttctttct tggaaaccaag gctgacgatc tttagatggc tcatggaaca gggccgtgaa 540
 aaagaagcag tagagatact ggccgcgatt gaggacaagc ccgtaactga ttcctatata 600
 ctgacgcagc gcaatgagat tcgcttcagt gtccagtacg aacgggagaa tgcgcctacc 660
 tggaccgaac tcttccttcg caaaaaggga actaacgata ccaaagcct tcgacggctc 720
 ctctggggcg ccggcacaca gttcatgcag caattcgaag gaatcaacat catgtcctac 780
 tacatgccgc tcattctcat caacgcggtc ggcttgcgg agagtatggc ccggctttta 840
 tctgcgtgca attcagtata gtatctgctc ttcacctgcc ttgccgtgcc gttggtcgaa 900
 cgctggggcc gaagagggct gatgctcttc tctactgccg ggcagggctt ttcattcctc 960
 gtcacacca tcctgctgcg gtacgcggag acaagccctg acaaagaaaa gatcgccctc 1020
 gcctcgattg cattcttctt cctctacttc atctcttttg gaatgggtat gctaggtgtt 1080
 ccgtggctct acccaactga gatcaattcg cttcctatgc ggaataaggg cgccg 1135

<210> 20396
 <211> 1137
 <212> DNA
 <213> Aspergillus nidulans

<400> 20396
 cgaacggcct ggggaactga gcttcattcc ccagatgga cggtttattc ttgccggata 60
 tgaggtggac ttgctgcctc tcgacccag tcttgatcaa ccgccaagtc atatggagaa 120
 gctttttctt ccaacaattg ttgacattca aaagtcgctc ggttctgtgg gcgccgattt 180
 cgaggtgcgg ttaacactta acccagactt tcctggatac ccgtctggaa gtcgacctgg 240
 agcggggccg ggaggtctg gcacttcaac cccgtctttt ctcggtggca acagcaataa 300
 tgccgggtccg gttctggagg atgtagtggg gacagtgcc attccccgt ccgtacgaaa 360

cataacggac atgaaagcaa gccgcggcga ggctcttttt aactctggac ggggcgtact 420
agagtggaga gtcccgacta aggatgcggg gagcatctcc ggaacagcta cgcttcgctg 480
tacggctgtc ggccattcca ctgacgagat cgaggaggat gatcctgagg ctgatgcaga 540
agctaccctg ttacaagggt actacgacga ctcagcggca gtatcttata agcagaacac 600
agaaacagac cggttaaggg ggaagccgaa gaagaagaag aagaaggtaa agaaagtaaa 660
aaaaccagca ttttcccgcc gcgacacctc agtatctacg cctgatatacg acgccaatcg 720
tggaggggag acactcccg cctcagactt gaatcccgac cgatcctcag aaccttcacc 780
ttctcagcct tcatcgcacc ctgaagtacc ttccttgaca ccaacaccga aacaactata 840
ttcgtccacc cctccgccc cccgccctgg atcgccgttc tcaatatctc atactgcgcc 900
gcgcaaaact cgcattccagc tcaactccag ccttatgcc aattccgcgt ctgtctcgtt 960
ctccgtgcga ggctggcttc cgtccggcat taagggtgag agcctcaaca tcgatccacg 1020
ccgaagccgt ggctcggcg agggcgtag accatacaag ggagtgaagt atatatgtgt 1080
tagtcgaagg ggcatagaaa ggagatgtta agtgatatgg ttgcatttac atggagc 1137

<210> 20397
<211> 1140
<212> DNA
<213> Aspergillus nidulans

<400> 20397
gagcaacaca tacctatctc ttcgtctggt cgatggtgtc gcacaatttc tcccctcggg 60
acgcccagtt cctgacctac accaacggag tcgcgcaggc attaatgtggc atggggacgg 120
ggctcctcat gtatcggtag cgaacgtaca agtggatcgg cgttgcgggc gctgtcatcc 180
gcatgatcgg gtatgggggt atgggttcgcc tgcgtacaaa tgagagctcc attgcggaat 240
tggttcgtct gcaacttgtc cagggaattg gcagcggcat tatcgaaaca atcatcattg 300
tagccgccca gatatcggta ccccatgcag aactcgccca agtcacgtct ttggttatgc 360
ttggtacctt cttggggaat ggaataggat cagccgtggc ggtgcgatt tatactggcc 420
agctgcgaaa tcggctgcga gtgcatctag gcacaaatgt ggtgcgagg cagcttacga 480
ggctgtataa ctctattact gggacgttac cggactgggg tactgctgag cggaccgctg 540
tgaaccaagc tgtaagttat tcagtcaagg atacctgtgg gcacgtgctg acttttggta 600

gtattccgat gtcattgggt atggtacctg taccactgt gccataaac taaccagtgt 660
 aggtacatta caatcgcggc ttggctttc gcggtcccaa ttgtgatact gactttgtta 720
 ctgccaaca gaaaactcgg gtaagtctgc tcccagctgt acaatacacc gctaactctc 780
 caagcgacgg acacaacctc gtacaagaag cgccctccc agattccctc gagatcaaga 840
 aacctcaaac gtagcatata accttcata attctccacg atggctatga aatgaacgat 900
 gatgaccatt cccttatcac ttcaattgcy tacatatctc ccttaagtac atggtgactt 960
 actcctgatt acttccccgg tgatccaatc gaacaaggaa agctcctgtc aatctgatcc 1020
 tccagcgcgt ttttgacaat attccacaca ttcaaatcat atgcctcgcc aatatgacct 1080
 acgggatcgt tggggcaaaa atcctgcacc cagacattct gcacccctc ttcattgcaca 1140

<210> 20398
 <211> 1143
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20398

tcaacttcat ggtactttct tgccacacc tcacgtttat tcaggaccac gctaacaaat 60
 gaaaaagtcc cacggctccc aagacctcta cccgacgcta gtccagcgcc agtacggctt 120
 ctctcgcgac gccgtaacag tgaccaggt cgtggccaac ctgggcgccc taaccggcgg 180
 cacgctctgc ggctggggct cccaaatttt cggctcgtga ttcagtatta ttgtaatcag 240
 cattgtcggc ggcgcctcc tatacccata cacctttatt tcgagccata agatcatggc 300
 tctgccttc ttgagcagt tctgcgtcca aggcgcgtgg ggcgtgatcc ccatccacct 360
 gatggaactc tcgccaggtt ctatccggac atttactgtc ggcacggcat atcagttagg 420
 taatctggtg tcttcgcga gctcgactat cgaatcgact atcggggaga ggttcccgct 480
 accgccgacg gaggagggcg aagaaaggta tgactatggc aagggtgattt gtatattcat 540
 gggctgtgtc tatgcgtatg tgattattgt tacgtttttc gggcctgagc ggctgggacg 600
 tgattttgat gtcgagaacg atgaggatgt tggggagggt agggctgaga ggggtgtcat 660
 cgatgacatg gagaaaggtc gcaactgata tgtttactcc ttggagattt tgagatttga 720
 agcttgaatt cttggataaa tctgaatttg gatgtggtta cctctggtag gggagctatt 780
 acttaatcga ctgggtgaat aacgaaacga atgaagtatt aattcacttg ggtagccatc 840

aaacataatc atatcttgta tatggtttgt gaatgttctt gacagttgtc tgtacattgg 900
 tggcaagcca acgctttact ccctttggct ttttgaacca attcttacct acttgagata 960
 gaacgaaact cagctgaaac agtcgtgagg ctccatatct gtctcaatac ccgtagactgc 1020
 atttttgcat gtattggctt atttccgtcc atagtaacat tccccatggt ttcagatcag 1080
 accaagagcc attctggcaa cgttggagtg ttctaggaac agaatggaat ggagcaaagt 1140
 atg 1143

<210> 20399
 <211> 1144
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20399

gggtgccgct gctacatcac gccaggatgg acagccgcct ggtcctacaa cacagcctgg 60
 agtcgtggaa aatgcccaga ctaagaaccc gaatggctcc actgagaaca atgacgacga 120
 cgatgaaggt gttttggatg ttgctggctat tgtagcggc aacaccagcg agttccttgc 180
 cgcgcgaggag aaagagaagg gaaataaaaa aggcgctgat cagggcgcgga aacctgttcg 240
 tcttcccaac tctaagaagg agaaggccac gttccagtac caggagttcg tcaagttaga 300
 gccagagaag catgcgccta gcggtccttc acgcttcac cgcagacta gggatattga 360
 agttggcggt gagcggttct ttgctgcaac accgaagcaa gatactggag acagattgtc 420
 tagcagtatt cttgaggata tagcaactca gatccatcac accatcctgg ccgtagccgga 480
 tgcgacaaag cgcagtgagc tatgggattc actgatcgtt gttggtaacg gtagtaaagt 540
 aaaaggttag tctttctctc tcgaagcatt cctcgtecca gtttatttac taaatattgc 600
 aggcttcact caagccctca tcagcacaat cactcagaag tttgtcctct cgccgtccgg 660
 cacaatcttt acttcagaaa ttccatccaa cttctccact ccccttccca ccggcggaac 720
 aaataccccc gccccgggct tccctgggtc aatgcaccat cccggcggaac aaggtgtaaa 780
 ccccttctt gtcgcccga ctcactcgg caatcctatg cctccgggaa ccccttcaat 840
 ggaccctctc tcccatcacc gtcactcgg cactcgcag actccgacct ctgttcgcac 900
 cgtaaaacca ccagagtact tccccgagtg gaaggagcaa acagcaaccc agcagcctgc 960
 ccagaatcaa ccaggtctca atgggcccgg cggtcggga tctagtggca gccaccgtgg 1020

tatggaagaa gcagttttcc ttggagcgca ggttgcctcc aaggtgggtt ttgtgatcga 1080
 tcagggcctc agtaaggggtt ttatgagccg tgttgagtat aatgagaatg gcccgtcggc 1140
 gatt 1144

<210> 20400
 <211> 1145
 <212> DNA
 <213> Aspergillus nidulans

<400> 20400

tgggctaccc tgccagcgag ttccagttcg ttgagggcaa gacgccgatg tcgaccttca 60
 gggagacggc aatcatgctc attgtttact acgtgacaat cttcggaggt cgcgaggtga 120
 tgagaaaccg cccggctttc aaactcaaca ccctgtttat gatccacaac ttcgttttga 180
 ccgccgtcag cgcgattctg ttggccctct ttgttgagca gcttgttcct accatctgga 240
 accatggcat tttctactcc atctgcgacc accgcggtgg atggacgcag cccctgattg 300
 tctgtacta tgtgagtgtg tcggttgcat gggaatgaag cgctactaac aagagtagct 360
 caactacctg aacaaatacc tagagttcct cgacaccgtt ttctgttcc tcaagaagaa 420
 gcctctgact ttctccaca cctaccacca cggcgccacc gctctccttt gctacactca 480
 gttgatcggc ctgaccgccg tccaatgggt tccaattact attaaccttt tgggtgcacgt 540
 tgttatgtac tgggtattact tccagagcgc tcgcggtatc cgtatttggt ggaagaagta 600
 cattactcgc cttcagatca tccagtttgt tattgacctc ggtgagtctc tgctgcgctt 660
 gcgtggacca atctggaccc gtggctaacc gcaactttag tcttcgttta ctttgcgtcg 720
 tacacctact ttgcatccac ctacttcccc tgggctccca acgctggcaa ctgcgcgggt 780
 gaggaattcg ctgccttcgc tggaatgggc atcctcacct cctacctcgt tctgttcatt 840
 tctttctaca tcgtcaccta caacaaggct gctaagaccg gtcgcccgcg tcgcaacact 900
 ggaaagcagg cggttattga catggccaga tatgaagtgg ctctccctc tcctgccggt 960
 gagaagaagt cgaacggctc ggccgtgacc actggccgct ccaacgggtc cgctaccgcg 1020
 tctcgcaagg cgtagattca gggacgagta cgacgatact cgaacctatg gaactagctc 1080
 gtcagccagt taaccgcgct gcggagagct cggttcccct ccaggcgttg ccctggacc 1140
 tgcatt 1145

<210> 20401
 <211> 1147
 <212> DNA
 <213> Aspergillus nidulans

<400> 20401

```

gtgtatcaca ccagatacga agtcgtaggg aagcttgggt atggggcata ttcaaccagc 60
tggctctgcc gggatctcca gtgcgccacc ccagttcaat cgattctaag aagagctttg 120
acaagtcgtg agttaagagc acagaaatac gcggcaatga aggtgtcagc ctctttgcc 180
gactatccaa ctgcgacgga tcgcgaattc aaagtctata aacacctagc aacagttgac 240
tcttctcatc tgggccagtc cttaatccgc gagctctatg attcattcga cctccagggt 300
cctggaggca gcacgcttga ttgccttga ttgcagccga tgactatgac actcctcgag 360
atgatgagaa tgaacccgcg gcggttcgac ctgcctctgc tgaaaatgac cgtcaagcgg 420
cttttactgg cgcttgattt cttacacgcg aaagccgggg tgattcatac cggtaggacg 480
cgcgctactt aagtgatgaa tccaggactg attccgcaag atctaaagac cgataatttg 540
atgctcagcc tagatgatac ctccatgcta gcggattttg caaccgcgga gtctgaaaat 600
cccagtcctc ggaagtgat tgataagtca cgtattattt attgcagccg aaggtttcga 660
agacctacgg gacgcaggaa ctacggcctt cctgttctat gtgacttttg tgaggcaagg 720
ataggcaaaa cgcaggagtc ggggcctttc gtccaaccgc acatataccg agcgccggaa 780
gtcatcttcg aaatgcctg ggggaagcgt atcgatatct ggaaccttgc cggccttgta 840
agtcaatgct acgagcattc gtgctactgc cttgcttagc tgacaacca tcagatctgg 900
gatctgtttg aaggacagca tctatttgga gatatattcg actccagagg tggccatgac 960
ccgttcaggc atctagcgt tatggtagcc ttgattgggc cccggtctac tgaattcgtg 1020
cggcgtagcg agacgacggt gcagtgtttt gacttgaacg gttagagcct gttgtcagta 1080
gacacttttt gcaccgattt tgagaccgat tagttgcagg tgactggatt gctcatcaag 1140
gagcgcc 1147
  
```

<210> 20402
 <211> 1152
 <212> DNA
 <213> Aspergillus nidulans

<400> 20402

gcggatggaa ggagccatgc tggttatctg gttacaatct cactaatata gctcgcaaga 60
cagcattcca ctggactcgc acacagcttc ctgcgcgatg tcctcccatc gggctgattt 120
cgatagtatc cctatcgctg atctgtccac cttaaacagt cctcatattc agaacgccag 180
aaactcgcag agtccgtcag gaaggcctgc attgaggttg ggttcttcta catcaagggt 240
tgagaaccac ccacaatgag gaagcctagc tcacactagc agaaccatgg aatcgctggg 300
gagctaatac ttcgtacctt cgaggctgcg cataatctct ttgctcttag caaagaacag 360
aaaatggaat gttacctggc aaagtccaaa gtctgtttgg agttacaaga gattgatgaa 420
gtctagagtc tgactcgcat agaacttccg cggttacagc cccttgtagc gcgaaaagcg 480
tccaaccag agctcgagaa accagctgag ggagccctgt ccgaggcatt cgacattggg 540
tacgagctgg caggggatat tcgaaaaggc cccggtgacc cgctcccca agatgagtac 600
gggctatacg gggacaacca gtggccggat gagcgtctcc tcccgggctt tcgcaaaatt 660
taccttgaat acttctccca aactcttgag ctctctcgaa agctgatcaa gatgaatgcc 720
ttggcccttg gccaggaaga gcatctcttc gattcggcag tggagtatcc aggagtcttc 780
tcgagaatgc tgcattaccg gcctcagcca gtggaagggc aagagattcc agggcaggcg 840
gctcatacag taaggctcatg ccccgactac gtagagaagt cactgatggg tgaaggactg 900
ggagtgtctc actatcctgg cgcaggacca tgtcccagct ctgcaagttc gcaataatca 960
gggtcactgg gtggcagcac caccaattcc aggaactttg gttgtgaaca taggggactg 1020
tctcgctacc tggtcgaata atcgattcaa atcaacgatt catcgtgtgg taaacttgac 1080
tggagaggaa cgggtactga ttccgttttt ctccggtgtt gactatacca ccacgatttt 1140
agtcttgggg ga 1152

<210> 20403

<211> 1152

<212> DNA

<213> *Aspergillus nidulans*

<400> 20403

catgcgcaag cgagccaact accttatcga tcaggcggag atgcctcaa aacgatcccg 60
ggacaagagg agaacggttt caagaggttc gtcaagaagg cgccagttgg tcctgttctt 120

cttgcaaccg catggaatgt aagttgcccc aggcctttccg aagggttgga agctaaccgg 180
 tcagtatcct tacttgatca ccatcaacgc actcgtcccc gcgctccttg ccggaaacac 240
 cgtgatcctt cgtccttcac ctgagactcc tcttggtggc gatcggctct ctgaatactt 300
 tgagaaagct ggtcttccta agaatgtgct gcaggtgggtg catctgggtt cgtgggacgt 360
 tctagatgag gtcgtcaaga ttccccagat caagcttggtt tctttcgtcg gttctactca 420
 ggggtggtctc cgtctccgcc aggcgaccgc cggccgaatc ttgccactga acttgaggct 480
 tggaggcaat gacccggctt acgtccgtgc cgatgcggat ctgcgtaca ctgccgcgca 540
 ggttggtggac ggcgcagtct ttaactctgg ccagagctgc tgctcaatcg agcggattta 600
 tgtgcatgca gatgtgcacg acgctttcgt agccgagggt cgaaaggagc tagcaacgta 660
 cgtctctcac cctgaatcaa gaacatcatt aacgaatgta gatacaaact cggcgaccct 720
 ctcgacaagg ctactaccac tggccccgtg atctcccatc aagctgtcaa gaacattcaa 780
 gccacattg acgacgcatt gtcacgcggt gctgtggact cgacccccga gaaccctact 840
 ttcgcgaaaa ttcccagtga aggaagcttc atcgccccac gcgtcctcac taatgtatcg 900
 cacgacatgc gcgtcatgcg cgaagagact tttggccctg ttgttctat tatgaagggtg 960
 cagagcgacg atgaggcagt ggcgcttatg aatgacagtg actatggtct gactgctagc 1020
 gtctggacca aggatatcaa ggcaggagag gacttgattg agcgtatcga ggcgggaacc 1080
 gtcttcatca atcgttgatga ttaccttctc cggttcgtgg caaaaccact atgcatcgaa 1140
 tatgatacta ct 1152

<210> 20404
 <211> 1152
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20404

tcgggtctccg catccgaggt ctcccacttc tcatccctcg ccagctcctg gtgggatcct 60
 atggggccct cacgggtcct ccatttaatg aatccaatcc gccatgaatt catcgcatcc 120
 tgccttgccg aatcatcccc agactctctt acgaaacaac ccggaacccc tccgaacaca 180
 ctccactatc ttgacgtcgg ctgcggtggc ggcattctcg ccgagtcgct cgcgcgaact 240
 attcccatc cgggggtctac agagtctaaa tcggggaccg tcaccgggc tgctcaata 300

acagccatcg atcccacaac gacacttatc cagattgcgc gtgaccatgc tgcgaaggac 360
 cccaaggttt tggcacacct gaacgaagg agattccaat atgtgaactg tacgttgga 420
 gacgtcatcg cctcatcacc gaacgcgaat cagtcctcaa attcaacgga cgcatacaaga 480
 gccggggctg gagtccgaag gaaagatggt ttcgatgtga ttactctctt tgaggtcatc 540
 gagcacattg acacaaacgc ttccatcacc ccgctcactt ttctaaccaa ctgtctgcgg 600
 cttctcaaac ccggcggatg gctaattggt tcaacgattg cacggacctt tccttcctgg 660
 ctcgtaaacc aggttattgc cgaggcgccg tggccggtcg gtgtcgtgcc gaaagggacg 720
 cacgagtgga aaaagtctgt caaccagat gaattagaaa gctgggcaag cgaggggttg 780
 atgcggtctg tggatctgga gaggaattcg gtggcgagga gtgggagtga ggcactcgat 840
 gggatgagat ggaaatgcgc ggggtgtgga tatttcctcg gccttgggtg gaagtttgta 900
 cctggatcgg agagttgggg aaactacttt tgggctataa gaagaggggt gtaaattatc 960
 tattatcggc gaaagtgtaa catattaaca ttgtatagta caggaatctg agaatgttcc 1020
 taatggtgat tgaccaccaa tgttattgct aagtcctcaa tattctgtat attcaatact 1080
 aatttagggt caccttttcc tcccttcctt ttcttttttg aactactcgg tggatctgga 1140
 acactaacag tg 1152

<210> 20405
 <211> 1152
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20405

atgtccagca aggccgcacc aattgtggtt gtcggtgccg gcgtcttcgg actgagcaca 60
 gctatccacc tcgcacaacg cggttatacc aatatcaaag ttcttgataa acaggcttat 120
 cacgaaacac tgtactcgta tgataacggt tgcgacgctg cctcggcagg taggtcttca 180
 atatcaaaac atggttgtgt acccaagcta accctgactg gagacaatac caaaatcatc 240
 cgagctgcct acggctccca aatcgagtac caaagcctcg cccttggtgc catctctoga 300
 tggagagaat ggaacaatga gatcaggctg ggcaaaatag tcccgcccgg attcaccacc 360
 gaagacgtcc tgttcgtaaa caacggcaac ctgactctta catctagcga gactctccct 420
 gagttcgaga aacagacaat caagaacatg accgaggcgg gactggcgaa taccagatc 480

gtccttacag atcctagcga tgtcgagcgg gcaaccgcca acggccttga ttttgctatc 540
 aaccgcgtga accggaagca aaatttcggc ttgctcgata cccaaggcgg attcgtctat 600
 gccgataagg cctgtcgctt tgccctccag aaggcacaaa gcctcggagt gcggtttgtt 660
 cttgggggta ccgagggcac tctgtcgaag cttctgtacg acgccacgtc ccgggtcatt 720
 ggcgttcaaa ccatagacgg cgagtcacat ctggctgaac tgacgatcat ggcttgtgga 780
 ggttggacac cgtctcttgt gcccaaactt gacggtttat gcgagacaac tgccggtagt 840
 gtttgcattgt tccagctgcc acggaactcg tctcagtggg atcgttttgc acccgagcgc 900
 ttccctacgt ggacatacga tattcgaagt gggaagaatg gcggtctcta tggcttcgct 960
 cgagacagca atggcatcgt gaaaattgga taccggggag cgaaattcac caatccccag 1020
 acacagccag acggtgcagc gaggagcgtt ccgatcactc gatggactcc ccaatcaact 1080
 cgccaactgc cgttgtcagc ggcgcaagtt attcgaaaat ttgttcagga gaacttgccc 1140
 gacttgatag cc 1152

<210> 20406
 <211> 1159
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20406

gccctaaaca tcgctccgca agacgattac accgaccagg tcctgcagac agcttatgaa 60
 gctgcggaga gaataggcga cttctcactt ttcattctcat tcgactatga atccgggggc 120
 gcatggcccg tagatcgggt catcagcaca atcaacaggt acaagggcag gccagcccag 180
 tatctttaca agggaaaacc attggtatcc acctttgagg gtcggaagag ctccagatgac 240
 tggccagcca taaaacaagc tacgggctgc gtgtttgttc cgtcgtggac gagtctctcc 300
 ccttcgcgac ttacactgt tcacgggtaca attgacggtg ccttcagctg ggacgcttgg 360
 ccggttggag cacaagagaa ggatacgtca agcgacaagg catggatgaa tgcgctttct 420
 ggcaagccgt acatgatggc tgtttctccg tggttctaca cgaaccttcc ccagtggaat 480
 aagaactggc tgtggcgtgg cgatgatttg tggcactacc gctggcaaca agtaattgac 540
 ttgcagccgg caatggttca ggtaagtaaa gaatcttctg gacgcgaaag tgctgacaag 600
 gctgctctat gcagattctt agctggaacg actacggaga agcgcatcatt atcggaccca 660

tctacgagcc aggaattcca gaaggtgcat catggttcgt gaaaggatgt cccacgacg 720
 cttggcggga atttctacct cattatatcg acgcctatcg tcgacggagt gcaatgttcc 780
 gcgaacgcgc gtcgaatccc gccacggtaa cctcgttcgc tcctagacgt cctctctcat 840
 atacggacaa gatcgtgtat tggatcgac ttaaccogag tcaactccga agcgctgatg 900
 gcacgacggg gaataacccg aatatgggcc agcctggatt ggatccggga gaagtgtcgc 960
 aggatcgagt gtttgtcagt gtgctggta cggagccgag ccaggtgcat attcagattg 1020
 ggctgcagc atctagagtc ttgattgcaa aggagtccgg agtaaatac tattccgtgc 1080
 ctttcgacgg acattcaggg ccggtgagga ttgcgattgt ccgacatggt agagaagtta 1140
 agaccgcaac agggcctgc 1159

<210> 20407
 <211> 1159
 <212> DNA
 <213> Aspergillus nidulans

<400> 20407

cgtcttcgcg gtcgagtggc acggagaatc cgagttctgg ttcgctgggc tgaaaatatt 60
 ggccatcatc ggtctgatta tcctgggctg tgtgctgttt ttcggtggag gcccaaata 120
 tgaccgctta gggttccgct actggcaaga ccccggtgca ttcaatcgt acctgggttc 180
 cggggacact ggcaaattcc tgggggtttg gactgccctg atcaagtcgg gtttttcgtt 240
 cattttctcg cccgaattga tcaccacagc cgctggagag gtcgaggcac cgcgtcggaa 300
 catcccaaaa gccaccaagc ggttcattct ccgtgttttc accttctata tcctgggcag 360
 tttggttatt ggagtcactg tggcctacaa cgaccctacc cttgaggctg gagtcgaaag 420
 cggcgggtca ggggccggcg cgagtcatt cgctgttgcc atccaaaacg ctggtattgg 480
 agggctcaac catgtcgtca atgctgcat cctgatctct gcctggatcat ccggtaacgc 540
 atggtgttac gctggatcga gaacgctgta ctgctcgcc ggtgagggcc agggcccaaa 600
 gatcttcaca cgcaccaacc gcaccggcgt tcctatgtg gctgttcttg cgacatggac 660
 aatcgactg ctatccttcc ttaatctgtc tagctccga cagacggtct tctactggtt 720
 caccaatatt actaccgttg gggggttcat caactgggtt ctgatcggaa tcgcctatct 780
 ggtatgcttc cctccatctc ttcattctga cacacctgac caaaaacagc gttccgcaag 840

gccctgcaat tccacggcat gctggacatg ctaccattca agaccccgct gcaaccatac 900
 ggtacctact acgtgatgtt catcatctcg atcctgacct tgacgaacgg gtacgcggtg 960
 ttcttcccg ggcgttcac tgcttcggac ttcttggctc cgtacattgt ttttgctatc 1020
 ttccttgccg tttatgctgg acataagatc tggtagcgga cgccctgggt gaccaagggtg 1080
 tcagagggtg acatctttac gggcaaggat gagattgacc gtttgtgcga gaatgatatg 1140
 gagcgacagc cccggaact 1159

<210> 20408
 <211> 1163
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20408

gaacagtcca attttctcca cctttacctg attggaaagt aggagccatt gatcgcttg 60
 ggtttggagt gatgaacaaa gtcattatag cgtttgacca gcccttctgg gacctgaac 120
 gggatatgtt tggccttttg cgcgagccca ccaacaggga tagcatggct caggaagatt 180
 atgcctcgaa ccggggccgc ttctatctgt ttggaactg tatgaaaacc acggggcttc 240
 cagtattgat cgctcttatg gcagggtgac ctgctcacca ggcagagcgc actcctgatg 300
 ctgaaattgt tgctgaagtc atgagtcagc tacgtaacgt cttcaaacag gtggctgtcc 360
 ctgacccttt agagacaatc atcacacgct gggctagcga caagttcacc agagggacat 420
 actcctatgt tgctgcggag gcacttccag gggattacga tctcatggcc aaatcggtcg 480
 gaaacctcta cttcgctggc gaggccacct gcggcactca tcccgctacc gtacacgggg 540
 catacatctc agggcttcgg gccgcatccg agatcatcga ttccatccta gggcctattc 600
 ctataccgac acccctcgtc ccagagaaaag gcaaaaacac aaactcgggc aataactaatg 660
 gcatgccctc caacactcca cacatccac tagacacgga caccaatacc ccagaagtac 720
 caccccaaca accccagctg ccaacatcaa catcaacagt aacatcgtea ttogaacccc 780
 tctctagagc tgcttatgac caggccatga atgccgccgt ctatactgaa atcggtccac 840
 caatccctcg ccccgccgc ccaggcatca atcccttcat cctctaccaa aaagatttca 900
 tggccaaagc ccgcgccgac tgcatgcag agtaccaggc cataacaaaa gaccccaacg 960
 caaaggctcc ccgcgacacc gtccgcgctg cgctaggcct catgtggcgc caggcgccgg 1020

aggaagtgaa acgcccgtac ctggaacagg cggaggtcaa tcggcagacg ggcgcgga 1080
 tcgcggcgaa gtggaagagg gataatgtgg aatgggaaag gaggaagag gcagcgaaga 1140
 agaagtggca gcaggacaac cca 1163

<210> 20409
 <211> 1163
 <212> DNA
 <213> Aspergillus nidulans

<400> 20409

tcgtctccg ctgacgagat tctaccggcc ctcatattata cgttgggtcac ttgcccggcc 60
 gagggcatca acgtcataag caaccttttg ttcatcaca ggtttagaac aagcagcaag 120
 gttaacggcgaaaccgcata ctgtcttacc aatctcgagg ctgcaatcag ctttcttgag 180
 aacgtggatc tctccgaact tcgcgagag gagggacaag aaggaggtgt taaggctccc 240
 agtaatgaac ctgcatcact tgctgagagc attcgtcttc cacaacctgc ttctcaggag 300
 cccacatcat ctctttctac ggtaactgca tctgcggagc cttcaaaacc tgttgagggc 360
 gaaccgtccg agacgctgac ggggttgaca ccggcccagc aaggcagact gaatacgttt 420
 ttgcaacctc ctgcaaaggt gctcggggct gctaattgacg ctgttcgtag cactgccgat 480
 caaggactga agaacatcag cgcaacgcta gacagcagct ttaatttctt gtttggccgt 540
 ttaaaagagc tgcagtcaa ccaactgcca ggcagagatg gtataacggg ccctgtacta 600
 ccgaaaacac tggcggaggc tagacgtcta gttacagcgc ctgcatcagg tggcagtgtc 660
 ccggataaag aggacacgcc gagggagaca cctgccacag agccgtcccc gctaagacgc 720
 atcgggtcca aggcggaaga tactttcact gggctagttg ctggacagcg gactccccgt 780
 gaccggagta ccgacagcgt gcgcacacat ggcagctcca gagcgtcact agcagcagc 840
 acgtcaaaag atgaaggccg aacacctagc acaaattctg cgttggcaac cccgacgtg 900
 gagtccgtca gaagcttttg aagcagcatt aatcctttga atcatattcc ggggatgatc 960
 aggggcttca gtcgtggcac tcccagatcg ccggctgtat cttctcttcc aactcggacg 1020
 aaagcaccgg cgggcgacgc cagtattgat ccgccaattc aacgtttcct cgatatccag 1080
 actgcaaatg agcttactat tggggatgta agcgtcttgc tcgatgatta caaacgtatc 1140
 tctgcagcgc ttgtgaaaca agg 1163

<210> 20410
 <211> 1167
 <212> DNA
 <213> Aspergillus nidulans

<400> 20410

```
gcactattgt cggtgcttat cagcttgcca tctactcctt tccgctattg 60
tcaacaactc tacaaaagac cgcaatgaca ccggttgcta ccgcattccc gtcgcgggtc 120
aattcgctg ggccatcatc ctggttggtg gaatgatcat cctccctgaa accccgagat 180
tcctgatcaa acaagacaac catgaggctg ctatcaagtc tcttgcccgt cttcgtcgtc 240
tggacatcaa cgatctcgct gttgtcgaag aacttgaaga gattaaggca aaccatgaat 300
atgagctcag cgttggcaaa gccagttacc ttgagatact ccgcgggtcc attggtgaagc 360
gtctggcaac aggctgcgct gtccaggcac ttcagcagtt ggctgggtgta aacttcatct 420
gttcgtaccc ttatccctaa ccagaaggct cgcaatgtct ctaacagtca cagtttacta 480
cggaacgaca ttcttccaac actctggcat taacaacagc tttgtcatta ccttgataac 540
gaacatcgtc aatgtagttt caaccctacc cggactttgg atggctcgaga aatggggccg 600
tcgcccgtg ctactttttg gcgcgcgtcg tatgtgcgtc agccagttca ttgtggctat 660
tgtcggcaca accaccgact ccggcgctgc aaacaaggtc cttatcgctt tcgtctgcgt 720
ttacatcttc ttcttcgctg cctcatgggg accggtcgcg tgggttggtca ctggtgagct 780
cttcccgctc aaggctcgcg ccaagtgtct ctctatcact actgctgcga actggctgct 840
taactgggcy atcgctacg caccgccata tatggtcgac tctgggtccg gaaatgccaa 900
cctccagtca aagggtgttt tcatctgggg aggattctgc ttgattgctg gaatatttgt 960
ctggacctgc atctacaaga ccaagggtct taccctttgg gaggtcgatg ccctttacgc 1020
caaggttccc gttgcctggc gctctaaagg ctttgttccg tccgtgcatt acacagacgt 1080
gcgctacgtt gctgctgggc gtaagggtag tggcttggct gaattatagg cggacgcccc 1140
gcccaagcag atctcggagc atgtcga 1167
```

<210> 20411
 <211> 1168
 <212> DNA
 <213> Aspergillus nidulans

<400> 20411

cccttggccc gaattgttga cagtagtggg ctgagcagat ataggatatc ggcattgata 60
gtgagaaatc atatgttact accagactat atacttacaa cggacttccc tatagccaag 120
tatcacttct ggccccagca ttgggccttt ctgtcccgtc tacagtctgg cgggtcgtgg 180
gcaaaaatatt catgatattg ctctcttca aatatcttgg ctcccagatc caatgccaat 240
gtatgccgga aggagcagca tttgaactta gcaggacagg atcccccaaa ccatactgat 300
ttttccgatac tgccgatacg gaacaaaccg ctatttctcc ttcgcaatgc tcacttatta 360
gaaatgataa tgagagcaaa ggatagacgt ttcacagcct tttgttctct ggaacgtttt 420
agacgtgcat gtctcaaact ttgccatcaa ccagccacag ttgtagagca tcagcatcat 480
gaacgggtcg aatctgcact tcgcaatat cacggtgact gtggatgact ctgctgcccc 540
gagcggcgag aactgggcac aaaatacggg tggattcggt aattcccttg cacgactcta 600
ctttcaaaag aaaagcacta atactcagcc gcagatacca tggacgtcaa caacctgacc 660
atgcacaact ttacctttac cggcggagac gactgcatcg caatcaaacc gcggtcctat 720
aacatcaaca tctcggtatg tatctgcaac ggggtaaacg ggatcgcaat tgggagtcta 780
ggacagtacc ttgaagacag cagcgtaaag aatgttacga tatctcatgc cagagtccca 840
tcgaccagat acggaacata catcaagact tggatgggag agcttgtgcc tcaacccgat 900
agctacgagt ctgactacaa gccacaagga ggctaataag gggtagccag gaatattgtt 960
cttgaggata ttgatgtaac gggggcttag cgtgcggtgc ttgttacgca agataacggg 1020
gctgagaata atagctcggc caaaggaact agcaatatgg agatctctgt gatcaggttc 1080
gtcaatcgct cggggacgct gagctcaagc aaccgtctta cgggtggattg cagcatagtg 1140
gatccgtgct ttgataatag ctttgagg 1168

<210> 20412

<211> 1175

<212> DNA

<213> *Aspergillus nidulans*

<400> 20412

cgattcaaaa acgcgcacga cttacgcggt aataaggaat ctaatgctgc gagcagacgt 60
cgcttaccgc aaaacatgcy tgacagtcac gaatctcgat cggcaaagag cggccgctct 120

tcacaatatg ttccaacgcc tgaagatgaa gaaaagcgac gctcacgtcg gatagaacac 180
 cataagccta cagaagaaaa ccctgaacga gtgaagcagc atgtctgggt cccaccaca 240
 attccctaca ccacttcggc atccgaattt atctatggta cgacagccgt cgaagctgcg 300
 ttgcgttggt gcaagcgcca gctatacaaa ctctatcttt accagacagc cggagaagaa 360
 gaggttgagcg ctgacaagag ggtggtgcgg aaacttgctc tgtccaagaa cgtcaaagtc 420
 aagttggcct tcggtgaatg gaaccgactg cttgataaaa tgagcgcagg aagaccccat 480
 aacgggtgtg tctcgaagt atcgccctt cccgaacgc ccatccaagc actcaggcct 540
 gtccaattgg gtgacggcga attcaaagt gaactcgcac cgcaaacgcg agaggaagcg 600
 aagtggaacg ggacgaatga ctgcataaaa atcaacaatt catacaccca acagcagata 660
 agatacccag tcgtcgtgct actcgaaggt gtcgttgata cgggaaacct aggggccatt 720
 atccgctccg cctattacct cgggggtgac gccattgtct ttgccggccg aactcggcg 780
 ccactgtcgc ccgtcacgat caaggcctcc gccggcgccg ccgagaacat gactcttctt 840
 gacgtccaga acgaagtaga cttcatcaag cgggtccaag ccaacggctg gcgattttac 900
 gctgcagatg ttcctaagac aggtgctact taccttgaac ctggcgcgct acaacctcct 960
 ggctcggcgg tagcgaatga aggacacccc gacgcctca tcggacagtc gccagcgta 1020
 attatgatgg gctacgaagg atctgggtctt agcaaccaca tcaagggccg tgccgattcc 1080
 attgtcagca tccctggtgc cagactcctt cccggcgtag gagctgcctc tgaccgggt 1140
 cgagttgata gtctcaatgt aagcgttgcc gcggc 1175

<210> 20413
 <211> 1175
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20413

tggcgcctag acccgagaa ttcgtcatac acatgtttcg cctcctaac gggtcacgca 60
 gagtctctag gagccatcag ttttccacgg gactcaccac cctcctgata cgccagcgta 120
 caaggctcca gtaaatacat cccctccgtt cgtcatcacg ggttccagc atcgtaacgt 180
 caagcgatgg aacgtcggaa agctaggccc taccattggc aataagcccc atacaccgaa 240
 agcgctgttc actcgcaagg ctcacgacaa ggacatcaac gctctggacg tgagtccgtc 300

atcggcattg tttgcttcag cctcacaaga ccgaaccgtc aaaatctggg ctgcagacga 360
 cgggtccgtc gtgggtgtct tgcgcggtca caagagagga gtttggtcgg cgcgtttttc 420
 cccaagggc acaccgatcc ttagtgacga tgccaaaagc agcactaaca gaggcgatgat 480
 tgtaacgggc tcaggtgaca agactgtgaa gctctggagt ttgtccgact atagctgtct 540
 tcttacgttc gaaggccaca cgaatagcgt actcaagggt ctctgggtcc caccaccga 600
 catgtccagt aagaccgaag atgaggaaga tgaggatgca gcagcatcaa agcccaactc 660
 tattcagctc cgacctcttg ttgcttcgcg agccgcagat gggctgggtga agatctggtc 720
 ccctacaca gggaactgg aaacaaccct tgacaaccac accgatcgag tctgggcgct 780
 agccagccct acaccatccg ggacgcgtga cgacgtcaat tctccgcaa ccaaactctac 840
 ctccccctac gccattgcat cgggtccgcg agattctaca gtcaccttct ggaccgacac 900
 aacctccga acctacactg ccgccgtcaa cgccaactct gcccgcatag aacaagacca 960
 gcagttacaa aattacatcg tagcaggcgc gtaccgtgag gcaatcacc tcgccctaca 1020
 gctcaaccac ccgcgcgcc tctgtccct cttcagcgc gccatcgacg ctgcggacga 1080
 tctcacaat actgacaacc aaggcgaaga tcgtgcaaac agtttcaccg ggaaccgcgtc 1140
 tattgacgag gtctccaaa ctcttgaccc cgcca 1175

<210> 20414
 <211> 1178
 <212> DNA -
 <213> *Aspergillus nidulans*
 <400> 20414

gttccggcgc acgctcagac aatatatcca aaaatttcac agccatggcc ttgcgatgct 60
 gagctgcttg gacatcacgg ggcggtatca gttcgaggca gtgttctcgc cgatatacca 120
 cttctcgcgg agtctggaag tggactaccg gttcgatgcg cgggtgaagg atattgggac 180
 gacaatgaga gaggggcaga cggtcgtgga cagaatcgat tacatcgcg atgggtttga 240
 gttgagacag ccggtcgggtg tggacgatat agtgatcctc acgctggggg cgacggtgtc 300
 agggtcgacg acgggcacga acgccgaccc tccgctcagg gagccgttgc agccgggcga 360
 ggcgctggac gcgaactggg agctgtggct ggaactggag gcgaggcatc ccgggcttgg 420
 ggatccgtat aacttctgca cgaagcagag agagtcgatg atcgagagtt tcaccgtcac 480

gaccgaggac ctggaggtct acgcgcggct ctgcacactc tcgaagagcc ccgagggggc 540
tgggccaggg gctggctcgt tcatcgcgct gcaggagagt ccctggcgga tgaacgtttg 600
cctaccgacg cagccgggtct tctcagagca gccgcccaat gtgcgcgtct tttggggggt 660
cgccagcttc cccgaaaacc aggggaaatt tgtgcgcaag ccgatggtag cgtgctgcgg 720
cgccgaggtc atggaagaac tgctggcgca tctacatttg gacccgcgcc atctgatcaa 780
gcgcacgatg acggtgccga gagtgatgcc gcggatgagc gcgatcctgc tgcccagggc 840
gctgggcatg cggccagcgg tgattccgcc gtgcatctcg aatctcggcc tggttgggca 900
gttttgcgag ctgccgcac agagctgcgt ggatatgagc tacagcgtgc ggacggcgca 960
gtgggcagtc gcagatctga cggggctgga ggcagacgaa agagatgagc ggcactggtg 1020
tcatttgagc ttgctgttca ggatcctgtt ttggaagtga tccgtcaggc catagcattg 1080
cctcagtcgg gctagcatac ctctaccag cctaagctct actagatcta ccagctctat 1140
ctccattatt atctcatcac tatcccagca cttatttt 1178

<210> 20415
<211> 1178
<212> DNA
<213> *Aspergillus nidulans*
<400> 20415

tacggaggcc gacgaggggtg ttgatgtggt cttttcggat ggggttgagg accggtttga 60
tctcgtgggt ggggctgacg gggtaggggc tcgaatgagg aggatgatgc ttggtgttgg 120
ggagggcagc gaagagaacc cggggcatca ttctattgga gtgtacgggg gctattgcac 180
tattccgcag gaggttcagg agggcgagga gtataatgcc actgcattta ttgcaccagg 240
aaatcgtggt atcatgatcc ggcggcatga tccgcacagg gtacaggcat acgtgttctg 300
caaccgcga tcgtcagagc gcttgctgaa ctcgactaga ggagacattg aggaggaaaa 360
gagagctctg gcagaggtat tccggaacgc aggttggaag tgtgaggaaa tcttgcaagc 420
gcttggttga tccgacgatt tttattgca acggatgggg atcgtcagat tgaacgcttg 480
gtctcgcggc cgtattgcac tggttggaga tgcagcgtae tgtccgtcgg caatgactgg 540
aatggggaca ccgtgtgcct tgaccggcgc gtacatcctt gccggagaaa ttgggaggca 600
ttgcggagca attgcctcca cggagaacgt cacggctgca ttggaggcgt acgaccggaa 660

attcaggccc tttgtggacc aggtccagaa gggactgaca gacacggata attatatgga 720
 caaattcccg gcttcgcccc ttggtgtcag tgtgatctac cttgttttct ggcttgctc 780
 gctgctgaga ttggatatca ttgcgcaatg ggtcttgca gaaaaaaca atagctggga 840
 gctgccggag taccctgaga tggatacctt gtgagcaagc aggaccagcc catgtacata 900
 aaaccttgct gttcagtga attcactttg cccatttata tcgtaatcgg caattgaaga 960
 gagaagtctg aaccagtaaa accaaagtcg aacaatccgt cgaaatctga atcgaaatta 1020
 atatccaggg cctgcggaga aacaccattt gtccagagcc caaggctact gtgtgtagtg 1080
 gcagcgggta ccgcgtccgc cctggcctgg agtatattac ggcatgtaga aaggctctca 1140
 tgcattggctc tggaaatagt ctccgttgct ggtgagtc 1178

<210> 20416
 <211> 1181
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20416

gttatcgacc cgagtgactc tgaccatgtt ctttatggca ccggagcgac tatctgggca 60
 actgacaact tgtccaaggt cgacaagaac cagtcccctg gctggtacat tcaagctcaa 120
 ggcattgaag aatcggttgc tttagcctta gcaagcccga acggcggcga ttccgcacctt 180
 ctcaccggctc tgggtgatat caacggatac cggtatggag atctcgacgt tccgcagcca 240
 atgttcgact taccggtgtt gtcaaacttg aatgctctcg actgggctgg tcagaagccg 300
 gaaattatca tccgtgccgg cccttgcgga cacaactata ctgacggctg cggactcgcg 360
 gcgtattccg cggacgggtg cagttcgtgg accaagttcg caacctgcat tcttggcata 420
 aacacaagct cctcgaatcc cggggtcatt gcgatcgatg cttcaggcaa ggatatcgtg 480
 tggtcgtcgg caatgacagc gtattggccg actctgcagg ctatgacccc tcgtacgaac 540
 caatccggctc catacgtcac cactgactta ggacagactt ggggtgtctcc aactggcttg 600
 aatgtgcaga ctcccaacat tagcgctgac agagtccagc cacgaacatt ttactccttc 660
 actgatggaa catggatatct gagcagggat ggcggcctct cctaccgcgc ctacaaagct 720
 aaagaggtcg ggctgccagc atactcggga gcgctgocaa ttgcgaattt caacagagca 780
 ggcgagatat ggctgggcct gggggatcat ggaatctacc ataccgcaa ttttggcaag 840

aaatggacaa agatcactgg acgcgaggatg acagcaagac agctaacaat tgggtgccgga 900
 gcgcgtcgct catcggaacc aacactcttc attgttgga aagccgcgag ccatggtgct 960
 ctcagtaaag acggagtata ccgatcagac gataatggta agacttgggt gcgagtcaat 1020
 gacgagaagc atcagtacgg tgggaattgca atgatacaag gcgatccgcg cgtgtacgga 1080
 cgtgtctatc tgggtaccgg cggtcgcggt attatctatg ccgatatcaa ggaataaaag 1140
 cacaaggact gagagtcaat ttacgagaca atatgctccc a 1181

<210> 20417
 <211> 1188
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20417

ggcctatctg cggccaaccc tcaactacggg gcgggtgata tctcccaatg gaccggcccc 60
 ggtgcaggcg attgtacgca aagcagccct agccccaaa tccattatc tgcattacat 120
 caattgataa agtatatata gaccgaggcc cctgccccat gatgaacaca cttgccaaacc 180
 ataattttct gccgcatgac ggacgcaata tcacgcggga taaacttata cgtgccctag 240
 gggaagccct gaactttcat ccaagcctgg cctcgctcat gttcgacatg gcaattgttg 300
 tgaaccctga acctaatacg acctgggttta ccctgtacgt gtttagacca tgcgtggtgta 360
 ttactaccct taactgacat cgcccagcga ccagctaaac cagcacaaca ttcttgagca 420
 cgacgctagc ctcaggtacc tgacccagc agccctccat tgccagcata ttgtgtcatg 480
 ctaatagaga tttgaaacag ccgcacagac gccttcttcg gtaacaacca catcttcaac 540
 gccagcatat ttgcggaaac gacgcactac tggacgaaca ccacctgac tccgctcatg 600
 ctcgctaaca gcaagctcgc acggcagatc acctcgcgcg cattcaacc gacgtacacc 660
 ttcacgaaca gcacagagca attcagccta ggcgaagttg cggcgccagt cgtggcggtt 720
 gggaacctga atgacggaac ggtggaaaaa gagctggtgg agtacttctt ccgaaacgag 780
 cggtttccga cgcacttggg ctggaagaca cgcgatcagg tagtgagct tgcggatatc 840
 acaaagctgt ccaggattat tggaggcatg acggacttgc tcaccagtac cgggtgatgct 900
 gcaactgcca gccccgctag agtgaagaga gctgatctgc acgctggctt cagagggtaa 960
 gcgagtctgg ttcgttaaata gcctgtactg ctcgagattg gaggtgatta ctcgtttttac 1020

atatgctgtc tgaagctgga tgacacaata gctgagctcg agtgaagtag catctggcta 1080
 ttctaataca gtacgaaaga cacagttact agctactcta cgctcaatc tacttccatt 1140
 ccaccaggcc atcctattca aatacacaag aagtctcgct tgaccggc 1188

<210> 20418
 <211> 1189
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 20418

gcacacccac ctgccc aaat gggaattgct tttttatttt aacattctta gactgatcta 60
 gtcctctata tcgacctgtt cctaacattg ttggcgctt tacatctgaa caggcgatcat 120
 acttggggccc gtagtctgga aaccaggtat ggtaatcaga aaaacaaggc tattgactgg 180
 actaacagcc tagcagaaac aaccccgata tcactatgga atgggaccca acgcagttct 240
 tccgcgagga tgacacgcca cgacaaccat ttgtccttct ggtactgaac cagccgataa 300
 atgagaccgc tcttgcgtgc ttgtggaaac atggtatgtc ccggcgctta tccctgtcag 360
 catgtcccga gcctatagtgc cactatcaaa cattacggga cgcacgcaa actagccagg 420
 ctaatgggat gatagcgctc ataactgtct gcgcagacgg tgggtgcaaac cggttcttcg 480
 agtggacaaa gtccaagggc agggagaatg atgatgtacg ctgcttggtc cacctgcgta 540
 tatattccaa cccactctga tcaaaggaac gactaacaag ctttagctcc caacaacaat 600
 agtcggtgac atggattcgg cgcgttccga agtccgcacc cactactcaa acctagcggt 660
 gaatatcgtc caagatggcg atcagtacac aaccgatttc accaagagct tgcggtatat 720
 acgtaaacad gagagtgaca tcctctcttc agccgggtta tcttcaaag acaaactatc 780
 gattctgata cttggcggtc ttggcgcccg agtggaccag gcgttctcgc aggtccatca 840
 tctgtacatg atgaatcaga atcaagccga aacaaacaga gatcttttct gatatccgag 900
 gaaagtatat cgttcgttct ccaaccaggc cagaacacaa tcnacgtgcc taggacaaat 960
 cggccccggt cactgaccg ataccaatcg cctcctatac caacgccaga cgaagagcac 1020
 gggaagcatc tgctagagga gaatgttggc atcattcctg tctctggccc ggcaaggatc 1080
 acaacctcgg gtttcgagtg ggacgtacag aactggcaaa ctgaaattgg cggccaacta 1140

agcacaagta atcacatccg ggctgaaatc gtgaccgtgc agacgaacg 1189

<210> 20419
<211> 1194
<212> DNA
<213> Aspergillus nidulans

<400> 20419

cgacacttct acaatggagg caatagatac agacggtttg acgggccagg aagacagccg 60
ttaatagtgc acctattgca gaaagcgaga ccgattcact ttgtgatggt gggaggtggt 120
attggcgcg tttatgttta taacacggat actgtggagg tgagctgtct tattcggata 180
caccctccgc cgtctttgcg cgcgcacatt gaatttgggc ttctccccag cttctttgga 240
attatgctaa agggacaaat agatgactgg tcggcgacgg tttaactgtg tctcccatca 300
acaggagcta aagatgggcg aacagagcta ccgagagggtg cttcgggatt gtcaaggacg 360
catccttcca gaatatcacc cgctcaccat catggttaac cgcgttctcc atcgtctggt 420
tcctatggcg cctatcgatg gtgctgactg gaagggtccat gttattaaag atgataacat 480
ggggaacgct ttgcctctcc cagggttaagt ttgatgcttc cctgcgctct accgcactgt 540
gacaacctct aattgcgcat agcggcaagg tttttgtttt cactgggtatt ctaccaattt 600
gtaaggatga agacgggtcta gcagctgttc tcggccatga gattgctcac gtgggtggcac 660
atcataccgg agaaaggatg agtaacaact ttgtcaccat gggagttatc ttctcgtctg 720
ctcttctctt tgatatctcc ggaaacatcc catctttatt actaaatctc atgtacagct 780
taccaaactc tagaacgcag gaggttaagaa cttgtcaata tcatagggtc gaaccaacat 840
tgctaacca aattaggcgg aggcggataa tatcggcttg agtatgattt ggcgttctgc 900
cttgcctttg gggtactact aatcctctct ctcttagtga tgatgtcgaa ggcttgcttc 960
aaccctgaag ctgcggttga tttgtatgta atccggttct gttggatcta gccaacacta 1020
ttcctcgagc ccgagaaatt gctaacggtt gtagctgggc acgcatgcag agagcagaaa 1080
agcaggcgcc tctcaattc atatcaactc atccttctgt gagtgtgtcg atagatacag 1140
gtcctgaact cgagctgact ctggagtaga actataaccg catggaggct attc 1194

<210> 20420
<211> 1205
<212> DNA

<213> Aspergillus nidulans

<400> 20420

tggtcgcgcc ttgatccat gagttcacgt atcagtcacat gggtcacgac ttgctgcccc 60
taaaggaagg ggacaaaatt acgtataaga tggttgtcaa caaaggcacc acgaatgaag 120
aggatgaagg gatggagctc aacgatcacg atagaatctg ggtagaatac aggcataatgc 180
atatgaaggc cgtgctaggt aaattgggtg aagacttcgc cagggtccga gccgctaacc 240
cacagtttgc ggaagagtat gcacccccct acgatcttga atcattttac taactcgccc 300
cagtaaccaa aaggctgacg tgggcattat taaagacatg ctggctggcc ttcgagaatt 360
ccaagaaggc agagacgagt atacccttca tctaaacatg gcggaagaat gcatgaagtt 420
cttccaagat cataaactta ttgaggtag ctctgtagag cagtgcctcg caaccggcct 480
tgacgagaat tataaaaagg ccaaggggct ggcatcacag ctctgacagt tacttgatga 540
tgacactatc atccatactg acaggctcag actcttactg ttctatatca tataccgcaa 600
cggacttctc cctggcgaca tcaggaaact catggcacat gcccaacttc cacctcagga 660
cggaaatgtc atttctaate tcggattgct cggggccaga gttgacaaac cattgaagga 720
tgacaaaccg cccgaacagc cacttttcaa taggaaaccg cctgtggtag ccgattcgga 780
cgaaggaatc ctctcccggt acgaactcaa cgtcaaaatg atgctagaag acgttattcg 840
aggaacgttg gatccgtcta tattccctca cacacgtcct cagactgatg cagacgctat 900
ggcaactcag caagacactc ttctcgcaagc atctctccgg agtgcgaaac cgacctgggc 960
acggacacgc acgaccgggg agcagccacg gcaacgcac atcgttttca tggcaggtgg 1020
tgccacatac gggaatccc gagcatgcta tgagatctct gaaactttca agaaggacgt 1080
ctttcttgct acatcccata tgctcactcc ggggtgttt ctccgtcaag tcagcgactt 1140
gagcgcagat aagcgccgtc tcgatattcc cgcagagcgc caaaaccaac tgcgcgggcc 1200
atcta 1205

<210> 20421

<211> 1212

<212> DNA

<213> Aspergillus nidulans

<400> 20421

caaacggtac gcgttcagcc aaacccggtc tttcaagatc ttcgttatcc tgcacaatgt 60
 cttcttggct gtctattctg catggacttt cgccggaatg gttcgcgcgt tccgctacac 120
 cttacccgct tggcaggaaa acggcctcgt gggcattgtc gatgcgctgt gcaagtgcaa 180
 cggtcctcga ggatacggaa acgcggccac ctatgacaca acgataaaca aatgggtctat 240
 ccagaaccct gaatacagat tggctgaagg tgggtgtcca gattctacgg acgttggccg 300
 cttgtggaac cagggattgg ccttctctgg ctggatcttc tacctctcca agttctacga 360
 agtgctggat acagcgatca tccttgccaa gggcaagaag agctcgactt tgcagactta 420
 tcatcatgcc ggtgctatga tgtgcatgtg ggccgggtatc cgctatgttg cgccaccgat 480
 ctggatcttc actttgggtga actctgcgat ccatgcgatg atggtacata taccttgaat 540
 tactacttgt ggggtcaattg gactaacgat gaatagtaca cctactacac attgacggcg 600
 ctccgcgtcc gcgttccac gatcgtcaag cgctccctga ctaccatgca aatcaccag 660
 ttcgttatcg gatcggtat ggccgcatcc tacctgtttg tctactatac actcccgcca 720
 gtccgcttcg tacctacaac atccgctgct ccggttgttg ctgccaccgg tttgtcttgg 780
 gttaagcaag ttgccttccg cgccgcaggt gcagaaggta ttgccgagaa cgtgggacac 840
 gtcgaaaaca accttggcgc tcctcgtgag gttgtacaac ccggaccaat ggtcacttgc 900
 atggacacct ccggtcaggg tttcgcgatc tacctcaatg ttgcttatct tttgcccctg 960
 acctatctat tcgcccgatt ctttgttcgc tcctacctgt accgtaagga acctgggtccg 1020
 caggctacgc acattcacgc cgccgagaag gccggcctgg atgcgcttaa gggagtgagc 1080
 cgtgagatcc agaaagccgc ggaaatgagc ggggaaacca gcgagaccac cgaggatgag 1140
 gccattgcca agtctcggtc gactcggagc cacgtacagg ataccgtcga caactcgccc 1200
 attcgaaccc gc 1212

<210> 20422
 <211> 1213
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20422

gtgggtggcat cgggggctta acggccgcaa tcgccctccg gaagcagggc catcatatcc 60
 aggtctgttg tttcgatagt cactgtacat tccacgggaa acctctgac aggcacagat 120

ctctgagcag tctcgactgg ctgtcgaaac tggcgcgcca ctccatctcg ctctaatgc 180
 aaacgggatt ctgaagcggg tgggcattga cgcgagcaa ttcggggcga atttgatgga 240
 gagggtaaga gtgttggtcca tggccccaat gatcccaggc cttgatgggtg atactaagag 300
 agctgattcc tttcagctag tggagtatac ctctactcggg aaagtcgagc gagcaatcga 360
 cctggccgag cctaacaaga gatggcagca tgtgagtaag caagcgccga gttgagagca 420
 attactttgt actcaccaca aatctagcaa tggctgctag ctccaccgtgt cgatctgcat 480
 aatcagctca agcaaattgc catgagccca gatggcgtgt acgaagccat cccctttcga 540
 accggaagcc gcgtagtgca ggtcgacccc gcgacagcca cccttactct agaggatggc 600
 agccagttcc acggcgacat tctgggtggc gcagacggcg tccactcagt tacgcgtcgt 660
 gctgttcctg gaggaatgt caaggctgcc tgtgtgggtc gaagtgcctt tcggtttctc 720
 gtaccgaagc aggtgcctt ggacgaccct gagactgcag cgttgggtcga acggcccggg 780
 gaattatgta tctgggtatgg aacggaccgt cgcattgtga tgtatccac ctgcacaac 840
 aatgtcctga atttcgtgct catccatccc tcagtggagt cgatctccgc tgaagaggca 900
 gacgagggct ggggtcactc aggaaatttg cagcgaatgc tccagatctt ctccagcttc 960
 gacttgacag tgcttaagct gctggctaaa gctgacccca agactgtccg ggtttgga 1020
 ctgctagaca tggaggagat tccgcggtgg tacgaggcac ggttagctct actaggcgat 1080
 gcagcccacc ctttcctgcc acatcagggc caggagctg gcgtggctat tgaagacgct 1140
 gcctctctgg cagttgtgct tcctctaggg accccgggtg aagagattcc agagcgtctt 1200
 cgactttatg acg 1213

<210> 20423
 <211> 1215
 <212> DNA
 <213> Aspergillus nidulans

<400> 20423

aaggagatat atagtgtcaa cgtcttcctt tcaagcgact tgcgccactt gatggctggg 60
 actcctccag accgtgattt cagtaacgcc aaacctacca accaggtgaa caacaacaca 120
 tttctcgttt gggttgacct ttatgtccgg cccatgatgg aggaagatat agctttcctg 180
 aaagaaaagg tctattccgc ctcgagctca tgcattgcaac atctcactaa ttctttcagg 240

gcgatcgagt tacgccattt ctgatgccga aacgagggaa gagaaaatat acagaaatct 300
 gggcagaaga agacgggtctt atgaatatcg accaaacaaa cggcgatcga gaacgattgc 360
 ctctgaatca aggccgaggt aatatcgatc aggtaacgga tgagactata gagacagaca 420
 aagtctctgt agggccgtta gtcagccgcc tttattcctt gctacggtag gagcatcgtg 480
 ctcccgaaga aaacaccaca aacgggagca ccaatgctga tgtatcgggtg aatgggtatga 540
 acggagattc aatggatata gaccatccga caggagagtc agaaaacaaa ccacagccat 600
 ctgcaacaac gttccgcgcc gcatcgccca gcggcttcaa agtccccgcc gcgaagctcg 660
 accacgcaca gctagacgaa cgattaaaag ctgagctgcg ccacgtcggc ttcctcgggc 720
 cagacgacaa tccagactat gacgctcact atgacgacga catcgcgag cgctccgcc 780
 tcttgcaaag cgaactcaag aaacagatga ttattaacag tgcgcggaaa gcgcggctcc 840
 tcgaagtcgc ccgcgagcgc atggcgtagc aggagtacat gacaatacac gacgatctag 900
 attcgcaagt acagcaagcc tacttgaaac gaacaaggac gctaggcaag agcaaaaaag 960
 gctcccaggc gaaacatcga cctgggtggtg ccggcggcgg aagccacgtc gtcagcgcgg 1020
 ctggcattag ccggcccgtt attggagacg tggctcggac ccttatggac cgacgtaagc 1080
 gctggcgcga ctgtatcggg ccagttctca aagattgcaa gactactgtt ccaggcccgg 1140
 gcgagagcct gtttaccccc tccgttatgg cagagtacga gaaggcagaa ttggatgggt 1200
 gggaggagga gcagg 1215

<210> 20424
 <211> 1219
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20424

catccgcatc cggatctttc gctactactt cgggcatcca gtctgctatt gatggggaag 60
 caggttactt cccaggctcc aatgcgtact ggatcgggtt cctgaagaac aacagcgacg 120
 tcgatctcgt cttcgaccac atggcctcat ctggcctgcg catcctccgc gtttggggct 180
 tcaacgatgt gaacaccgct cccactgatg gaagtgttta cttccagcta catcaggacg 240
 gaaagtcgac catcaatacc ggcaaggacg gactccagcg cctcgactat gttgttcata 300
 gtgcagaaaa acacgggtatc aagctgatta tcaatttcgt gaactactgg gatgattatg 360

gtggcatgaa cgcgtacatg cgggcttatg ggggcggtga caaggccgat tggtttgaga 420
 atgagggcat ccaggctgca tatcaggcgt acgtcgaggc tgtggtgaaa cgatacatta 480
 actcaacggc ggttttcgcg tgggaactcg cgaacgagcc acgctgcacc ggctgtgagc 540
 cgagtgtgtt gcataactgg attgagaaga cgagcgcggt tatcaagggc ttggatgaga 600
 agcatttgggt ttgcatcggc gacgggtacac aaaccattcc tctatttccc agaaacctgc 660
 atcgttccag gagacggaca agctgacgat aagctctaga gggatttggc cttgatacag 720
 gctccgatgg aagctatccc ttccaatata ccgagggtc tgactttgct gcggccctaa 780
 ccatcgatac cattgatttc gggacgttcc atctctaccc ggatagctgt acgttcctct 840
 gtcttctctt ttcacctca atagcttctc ctatttcgac ccgctaccgt gcacaaaaca 900
 caaaactaac gaagaagcag ggggcacaaa taacgactgg ggcaagctct ggatcatttc 960
 gcacgccgct gctgcccgg ccgctggaaa accgtgtctg ttcgaagaat atggcgtgac 1020
 gtcgaaccac tgcgccattg agaaacagtg gcagaatgag ctctgaacgc gacgggcac 1080
 gcggccgacc tttactggca gtatgggat accctgagca gcggtcctc tccagacgac 1140
 gggaacacgt tctattacgg cagtgaagag tttgagtgtc ttgtcacaaa ccatgtcgag 1200
 acgattgaga ggagtgcc 1219

<210> 20425
 <211> 1220
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20425

agatttatga gaaacaggtg aatatgatgc aacgattcaa ccaacctccg ccaccagtcc 60
 ctgcacagat tgctcatctc taccacccg gcccggcaa tctcactac caaaaagcta 120
 tggagagaga ggcagccaag cgtggcgcca aagatgctgc gaaccagcct gaagctatcc 180
 ccacgattac atgcccgggt gcacaagcgc tacaacaatc caatttgacc cctcaacaac 240
 aacgccagca gcaagctcaa caggcagctg ccgгатtcgc cgacaagctt acctcgacca 300
 tgatggagca ggagctcgac gacaatgagc ctcccactat caaactcgga gacgcctccg 360
 ttgctgctcc atttaccagt aaactggcga atgtcattgc catccccaat atccttcgcc 420
 aaggccgctg caccctcggt gcgacaattc aaatgtataa gattctgggt ttgaactgtc 480

tgatcagcgc ctacagtcta agtggttatct atcttgatgg tattaagttc ggtgacggtc 540
 aagtcactat cagtgggatg ctgatgagtg tctgcttctt ctcaatttcc cgtgccaaagg 600
 taatattctc ctagctatcc tttgtgggtt atttataatga attttgcagt ctggtgaggg 660
 tctgtccaag gaacgcccac agccaaacat tttcaacgtc tacatcattg gctctgttct 720
 tggacaatth gctatccata tcgcgacttt gatctacctg tccaactatg tgtacagcat 780
 tgaaccgtat gtccatgttt cctgatgtag tgcgccagcg cgcaggctga ctaaaaaatt 840
 gcagacggga cactgatgtc gacctggagg gcgagtttga accatcactc ctcaacagtg 900
 ctatctacct tcttcagctc atccagcaaa tttccacatt ctccatcaac tatcagggtc 960
 gtccgttcag agaatccatt cgcgagaaca aagccatgta ctggggattg gttgccgcat 1020
 ccggtgttgc attctcttgc gcaactgaat ttgttccgga gctaaatgag aaactccgtc 1080
 tcgtcccctt cagcaacgag ttcaagggtca ctttgacagt cttgatggct cttgactatg 1140
 ctgggtgttg ggtgattgag aacgtgctca aaagactctt cagcgacgtc cgccccaaagg 1200
 atatcgctgt ggccgcccag 1220

<210> 20426
 <211> 1226
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20426

gccacgttgc gatattaccc tcccattgct gacaaccact agcatttctg acacaatcct 60
 cttctcttgc ttttgggtaca agtctagaga gttgccaatc cgcttgagct ttttctgggt 120
 ctctaccaa gggaccgcta ttattgggtc cttcttagca ttccgggttcc ttcacatcag 180
 aagagaagat ggtaccggag gttggaggta tctctttgct tacgaaggtc ttatcaccgg 240
 tgtcatagcc atcattgcg ctttctggat gcctccatcg ccaacgcaga caaaagggtat 300
 cctacgtggg aaggacggat ggttcagtga acgtgaagaa aagatcctgg tcaaccgaat 360
 cattcgagat gatcctagca aggggacaat gcacaaccgc caagcagtc caccgaagat 420
 gctatggaaa gctcttttggg actatgatat gtggcctata tacctgctag gactaacctg 480
 gatgattcca aacactccgg cgacaagtta tatctccatc cagctgaagt cactgggcta 540
 caacacgttc caaaccaatt tgatgactat accggcttat gctctcttta ttgtcaacct 600

tcttttctgg acatgggttt cggaacgctt tgacgtacga tttctcttgg gaattgtgag 660
tgaagtctgg tgcttagtgc cgcttattgc acttgccgtc ctcccagaca ataccagtcc 720
atgggcgttg tggattctca acgtgatctt gattgggtgcc ccttatgtac atgccataat 780
cgtggccatg acttccagaa acgctgggtc ggtatcaacc agaacagtcg ccagcgccat 840
ctataacatg atgggtgcagg tttctaatat catcggcaac aacgtaagtg ctctatattc 900
actagccgct cctatgtctc cagataaagt catattctaa cctgaaactt cagatatacc 960
gggagaatga taaaccgcat tatcgtgtcg gaaatcgtgt tctcatagcc ctggcggctt 1020
ggagcttggg tctatttggg ggtgcaagat actattatga gtggcgcaat aagtatgcac 1080
ttcggaaacc cttaataaac ttatgctaac cctattcca ggaagagggc agaaatctgg 1140
gacagaatgt cgagtaccga gcgtaacaa tacttggcag ccaatgggtga taagggaac 1200
aagcggtagg atatcaactt aacaca 1226

<210> 20427
<211> 1230
<212> DNA
<213> Aspergillus nidulans
<400> 20427

cgagactctt ctgaccgact ggtatatcgt cgctttcttc cccatgttct tggctagtaa 60
ctggttctac tcctatcact tcaacgccat taacggctca tactttgtgc cccgcgccgc 120
tgctctcaac agtatcctat actgggccat gcagatgatt ggcgccttct gtttcggctt 180
gattctggac ttgaaatccc tgaagagacc cgctcgtgcc aagcttgtct ggggtgctcct 240
gttcactatc accatgggtg tctgggggtg tggatatgcc ttccagaaga catacactcg 300
ggagactgca ggacgcagca aggactggaa ccagagcggc tacattgggc ccatgttctt 360
gtacatgttc tacggtttct acgatgctgc ttttcagact tggcctact ggtaagttat 420
tgtccgactt taaaacccaa gcttcacgct aatcgtatta caggtttatg ggatgtctat 480
caaacaacag ccgaaaattg gccaaacttg ccggtttcta caagggaatt cagtctgcag 540
gtgcagctat aacatgggcg taagtggctt attatccaat caataagcag gagaaactga 600
cacattgtct agccttgact tcaacgaaac gccatacatg aacatgttcg cttcttgctg 660
gggtattctc tgtggctccc ttctaategc ctcaccaatc atcttcttca agatcaagga 720

tcacaccgac ctggaagaag acctaaagtt ctctgacgag actgtcgcgg acgtcactgg 780
catcgaggta ggcgatgtca cactacgacc gcagcagcaa catacccctg aaaagcggag 840
tccctctgat gcctgataat ggtcttgatg aaccagccat aggtgtctgg aatcagtgg 900
catgttgtac tttctttcgg agtgtcgact cggtttgact taggcattgc acaaatttag 960
ccagctctga cacttggatg atgagctatg ttctcactcg ataccacatc cgtttacacg 1020
gtctgtttga taccaaactc tatgctgtta aacgatggcc agttgttttg gcctatgaag 1080
cgccttagtc catagcttct cacctcataa ttaatacctg gtttacatag ctttttttgg 1140
cgagtggcga cagttccgca ttcccatgtt ggcacgctct attgacatgc tatgaaaagc 1200
agtccagaat catatacaat catatgtatt 1230

<210> 20428
<211> 1241
<212> DNA
<213> Aspergillus nidulans
<400> 20428

cccgatcttg ttagttgcgc attcaatgag ctcgattaaa cggaatacat tgggaagact 60
attctgactg gaaactagag tctctgaaac aggccggcaa ggagatcgcc gctccgatga 120
tgacgttcta tgcccagaac cagacagagg ggatcccagg gaagctcacc gatacgtgg 180
acgtggcggg tgctatgttc atgacgttga tccagtactg gcaagcgtcg ggcgacgacc 240
agtataattc catcgatatc catgacctga tgttccaggc cggccggaac tacgacttct 300
tcgattcgaa ctacagccgg tggctcgtgc gtgactcttt cttctaaaag catggatttt 360
ttcttttata tcttgcatgg ttgagtcgag caccgtactt actgtgtgac aggggaacga 420
cgaccagatg ttctggggtc tagcagccat taccgcttcg gagaccgggt tccctgagat 480
cgagaacaag ccgacttgga cgacgctggc tcgcgcggtc tttaacatgc aggcgaaccg 540
ctgggatatg agcgctgtga atggaggtat taactggcag atccatgcat ggcagaaagg 600
gaacaagctg cgcaactcca tctccaacgg cggctctctc cagctcgag cccggctggg 660
ccggtttacc gagaactcga cctattttga gtttgctgag aagatctggg actggctcgg 720
ggattcgccg ttgatcacac cggaccagga ctggttcgtg gccgattcga caaccggcca 780
gagcaattgc acggaaagcg gaaatatgca gtggagctat aactacggct cgtatctcgc 840

gggctgcgct ttcatgtaca atgccgtaag tattctcttt ctcccgtgac cactcccatc 900
 gactccgccg ccgctgtcaa tccactggat tccagctaac aaggctcggc agaccggcga 960
 cgaaaagtgg ctcaagagcac caccggtctt cttgcacgcc tcgaaacgac cttcttcccc 1020
 gccgagtacg accacagtgt catgtccgaa gtgtcctgcg agaaactcca tacctgcgat 1080
 cgcaacatgc tctgtttcaa gggctggacc gctatgtgga tggcacttac agcaaattctc 1140
 gtcccacaga cacggggcgac catcgttcca aagctccagg gatcggccgc agccatcggc 1200
 cgccaatgcy acggagaaaag cgagaacctg tgcgggagcc g 1241

<210> 20429
 <211> 1243
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20429

ggtgggcyg gctatcaatg cctgtcccaa cgcgttccaa gtcctggcgc aggggggggtt 60
 cgacttcaag agatcgcgaa tggtcaccgc acgtagccat ctgcgagcgt ccggaatcac 120
 cctccagact aacttcaccg gaacctaccc tgacttcgct tcgctttacg gcggtccttg 180
 gctgatggct caccgggtgg acctccattc ggagctgcgg cgagtcgccg tcgaccggga 240
 ggggataggg aagccggtag agctcgttct gcaggcggaa gtcggttgatt acaatgcgga 300
 aaacggatct atcacgctta gagatgaatc aatccattat gctgacctgc tgggtggcagc 360
 cgacgcgtac atagttcggc catccgccat gttgtcggtc accccacccc tgtggtcgcy 420
 actggctggg ctgtctttcg ctgggtgatt ccaaccgaag aactcgaggg gaaccccgaa 480
 attgcttctt tgctggaagg ccctttgagt gtccaggatg gtctgtcgag gtttctttcc 540
 acgaacgaga atatgagacg gattgtctgg tactcgtgtg ctgagtaggg ctccctgata 600
 attcctatga tctgtgctaa tcaaattctt caacatccag taacacgata cagaactttg 660
 tcgctataca tgaagatcgg cgggccaatg atgagcgaga aggtagatct ttcttgaaaa 720
 cctcaggatt atttcgctaa caagacggat agactgggat cgttctgcag atgcagagga 780
 tgtttagcgc cagtttcaag acttccatcc taatgtagtg agaattatta ggtatcaaaa 840
 ttgggtccga cactgtttca ttgctaacia aagcagaaaa gcaacgaata tcaaacgctg 900
 gccgctctta taccgtgacc ctatttcagc ccttagtaaa ggctcgcttg tgctcatcgg 960

tgacgcagca catcccatgc tccctcgtaa gtaccgtacg caaatctttt caacggccag 1020
 atctctaacc agcccgagca tcaaggccaa ggaggagcac aggcaattga ggacggcgcc 1080
 gccctaggcg agatatcgcc cgggtgtacag gacccgctca cgaaagacga gatccacgat 1140
 cgcctcaagg tctttgagaa ggtccggttg cgacgcgtat ctgcaatgca aatcttgtcg 1200
 gacgcgggtc aagatcgtgt ctttgaggtc cgtgaacgtg ccc 1243

<210> 20430
 <211> 1244
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20430

tcgtttgtgc acccgtgtc atcttcagct aatccctgct ccttgtcttc tataatacgc 60
 tctcttcaga gtccctcttg tgatctattc gcctacggac aggtgggtgat cctcctgct 120
 tcctgttgta tcttagtaaa caagcaccac cctttcctcc ctgacagttt ttcactctcg 180
 ttgtcgtctg caaaatcttc ctccgtgttt gattgtctga ataccattta cttccatctc 240
 agccatgctt gcccgcgag cctttcggcc tgcaccccta ctgcgccgac ccttccacac 300
 atctgcccct gtctttcgag cgccctccat tcgggacatc acgcctgact cggctgaaga 360
 gttcaatgct cgccagaagg agtttcggga gaacctggaa gtagctcgca agaagagaga 420
 acagcaagag agtcagtcag tcggtgcttc tgcttccacc tctgcatctg cccagcccc 480
 tgttaccgt gatcgctcc gtgagtacac tgacgctcct gctgcttctt ccaagagcaa 540
 cgcgagcgat gaaaagagcc ccatatttga cgccgccgat gttcttgata atcaagcatt 600
 gggctcactt tctaccacc gttctttagg agacgaacac ttgctggaag tcaaccgatc 660
 tccgaaacgc ggaccactct catctttaat ttacggtacg aaagaaggcc agcagcttga 720
 tagagacatc gaacgttctt tctcgcaagt tctcgccgcg ggcaaatacg tgactccat 780
 tgttttccac gacgtgaaac ccgatcgagt agacgaatat gtcgacctgg ttggcgaatg 840
 gtaccctaga atggcggctg cggaagaaaa ccgctggaat ttgggtggga gctggcgaac 900
 gcaagtggga gacaatgaca cctttggtaa ctatacccaa gccaccaatc tgttccgttt 960
 gcctgaccga agcttcgacg ctaacctcaa tttcaagttc atatctggga atatcagcgg 1020
 tatgaagggtt accatgcttc tcttcacaat atctcgcgcc acccaggatt cctgccttc 1080

gacaagaaac tcaagagttt gattaagagc aagaagacgt ccttgatgca ggaattttcg 1140
 ttctggccta caacgccgcc gcgccgctg ggaggcctct ttgaacttcg atcttacact 1200
 cttcatcctg gcaatcttct tgagtgggaa actcattggc gccg 1244

<210> 20431
 <211> 1250
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20431

cgcaacacat cccttcgcga cttcacctcc tacgagcggt ccctcctccg cacagcctgg 60
 gcactcaacg cggcgatcat gccgagactc cttcctcccc tttggatcct gccgtctatg 120
 tctacaccca tcgcgcacgc ctagcgtagc atgcgccacg aatggcgact tattctgccg 180
 cgaatgcgct ataaacgata ttcttgctca gcgaaaggaa attgcaaggc tggaaaagga 240
 gcgagaggag gcgaggaaga ggcttgaaga ggaaagcgga cgcgaacttg aggaggcgag 300
 ggggagagag gttagggagt tcgagatggt tagcatgggg tttgatgatt ggggcagggc 360
 gggaaataag aagaggaagg cggatgggga tgctggggtc gatgacgacg aaatctggga 420
 gaggggtcaag aagcgagagg ttgatgttgg aggaggggtg agaaagcaag tgtttgagtt 480
 ggacgataaa acggtagagg gcgtcatgag aaggagagag gagagggtga tggaggagat 540
 aaggagagaa aagggttgggt ttccacatca ttctctagga cctggactga tgatgtcggc 600
 gcacagtcgg aatcaagcaa atcagcgctt ccgtcattct ggattccctc gttgacgcca 660
 ggtacggatc ccaacgagat tgccgcgaac aagactgtca agctgagccc aatatgtcct 720
 ggttcgacgg aatcgaataa acacgggtat tcgctgaaat cgctgggtcga tgtgcatttc 780
 actgaagagg ctggtgctga tggagctacc gtgcgggtgt gtccgagctg caagaagacc 840
 ttgacgaata cagtcaaggc gatgcgtatg tcattccccc gctttgcttc tatttttaca 900
 tagtaatggc cgtgctgatg ttccgccatgc tgctagtgaac gaaaccctgc ggccatgtca 960
 tatgcaagcc ctgcgtagat aagtttatga cgcgccatga tgcgcgggat ccacatgcaa 1020
 cgaaagagga gcaggagaaa acggctgaac tgcattggcc ggtgctgtgc tatgtgtgcg 1080
 agacagacct tacgccgcgc gaccagcac gggacgagaa ggctgcggcg ggagagaaaa 1140
 agaagaaaaa gaagaaggat aaggaaggga ttcagcctgg tttgggtggaa ctatcgtccg 1200

agggaaacggg gtttgcagga cgaggaggca atgttgcgac gaaagcgggc 1250

<210> 20432
<211> 1256
<212> DNA
<213> Aspergillus nidulans

<400> 20432

tcggtggtct gggcggactt ggaaatactg catacggag ccttgctgcg gctgtaaccc 60
ctggtcttct ttctggtact agccggactg tataccttgg caacattccc ccggagactc 120
cagcagagga aatccttaac catgttcgga gcggtcaa at tgagtctgtt cgcttgcttc 180
cggacaagaa ctgcgcttc atctcgtttt tggacagtaa ctcagccacc cactttcact 240
cagacgccat tctcaaaaaa ctagccatca agggtaacga catcaagggt ggctggggta 300
agccgtcgca ggttcttacc tccgtcgccc tggcagtcca acaatcggga gcgtcgcgta 360
atgtatatct tggaaatcta ccggaggaga caacagagga tgagttgcg gaagagcttg 420
ggaaatttgg cccaatcgat accgtgaaga ttgtgaagga aaaggccatt ggcttcgtcc 480
atttcttgtc cattacgaac gccatgaaag ccgtttccca gcttcctcag gaaacgaaat 540
ggcagactcc ccggcgtgtc ttttatggca aggatcgatg cgcctatgtc tcgaagacac 600
agcagcaaaa tgetgcacag ttcctgggaa tcgcgccggg atatgcgcat attctcaact 660
cggcggaccg ggacctgac accaacgctc tagcccagca atctgtggct gcggcggcgg 720
tggtacctc cgttggcgg gtcaacaacc ttggaaaccg gactatctac cttggcaaca 780
tccaccctga gactaccatt gaagagattt gcaacgtggt gcgaggagge ctcttacacc 840
atattcgata cattccggac aagcatattt gctttgtcac atttattgac ccgacatcag 900
ctgcttcctt ctacgtctc agcaacctac aggggtcat gattcacaac aggcggctga 960
agattggctg gggtaaacac tccggacctc ttcctcctgc gattgcactt gccgtcagt 1020
gcggtgcatc tcgcaacgta tatgtcggca acctagatga atcgtgggct gaagatcgtc 1080
tgcgtaaga cttctcagag tacggagaga tcgagttggt aaacacgctt cgagagaaaa 1140
gctgtgcctt tgtaatttt accaacatcg cgaacgcaat aaaagccatc gagggcatgc 1200
gaaaccggga ggagtaccgg cgtttcaaaa tcaacttcgg gaaagaccgc tgtgga 1256

<210> 20433

<211> 1262
 <212> DNA
 <213> Aspergillus nidulans

<400> 20433

```

ttaaccggtc aaataatcac gggatgttgc ttaagagtct agctatatcc attctcgccc 60
ttacacaggg cacacacgct accaagctga ttatgtatct tacagggcta gttggccatc 120
attctgatac ctgcgctctg ctcaagctaa cctagagtaa ggcagcacia cgtggctcct 180
gaaccatccc tcgtctcaga tgtgacgcac gttgccctcg ctttcatgca atcgtcaatc 240
ttcaatagga actcaacctc gagctggcct ctcttcacca cagttgatgc tgtccgtacc 300
gaattctcga acggaacatc aatcctcatc tccatcgggtg gatggggcga cacgcaggga 360
ttttccacgg ctgctcggac ggacgagagc cggaagctct ttgaggagaa cattaggcgg 420
atggtggacg ataccggggc ggatggtaag agtagtttca tcaccgggtg attcgcttac 480
tgacgatcag caggagtaga tattgactgg gagtatcctg ggtatgtttt tectgcctat 540
cgcccgttat agagcgggctt gatatttaac gctaaaatta tacagaggca acggcgaaga 600
ctacaaacga atccccaact cggagaaatt ttgggaaacc gcagcatacc cccaacttct 660
ggcagagata cgagcagcca tcccggacaa actgataacc gccgccgttc caggccttcc 720
acgagacatg ttggctttca caaaagagac tataccctct atcagcgcct cagttgattt 780
cctcaacgtg atgacatacg acctcatgaa cagacgagac actgtaacga aacatcacac 840
tggcgtacag ctgtccctgg agtcaataga tgcatatata gaggccggca tgccgcctga 900
aaagctcaac ctccggcctcg cgtactatgt taaatgggtc aagaccgtgc caggcgaaca 960
gtgcgcaaaa cagccaattg gatgtccgac tgttttaatg gaggacccgg atacgggtgc 1020
ggatcttggc caagcaggcg cattttcatg gaatgatcga gttccccaag agctggctgc 1080
gagttttgaa aaggccaaaa taagtgggtg atatgatcct tttggcggcg gctattactt 1140
ctgggactcg aatgaaaaca tcttctggtc gtgggacaca gcaaatgcta ttaaaagaaa 1200
gtttcctgct attttggaga agagaaagct cggtggcgtg tttgcttggg gcttgggtga 1260
gg

```

<210> 20434
 <211> 1264
 <212> DNA

<213> Aspergillus nidulans

<400> 20434

ccttgcgtat gcgtttactt cgtcgcctta tatcatcact gcattcgcag gctcagccgc 60
gtcagagcgc ttctatgctt ataattggcg atgggcatat ggcagctttg ctattatcct 120
ccccattggt gccttgccaa tgtttggcat actacagtat aatcggtaca aggcgaagca 180
gaaaggtctc ttgccaaga aggaacacca cgatagaaca attgocgaga gcattgtctt 240
ttacgctata gagctggacc gtaagctata ccttacgata tactcaagtg tataacctaa 300
cctcactttt cagtcctagg agtggtcctc ttagcaacag gtttagtgct cttcctcctc 360
ccattcacta ttgccgggtc gactgtggac gagtggaaat ccagctatat catcaccatg 420
cttatcactg gtatcggctg tctggtcacc ttcacctca cagagcgttt cgtcgcgcca 480
gttcctttcc tccctggga attactagca tccgcacag tctcggggc ctgcctactt 540
gggacgtcgt accagatcgc cttttactgc tggaacgagt actatacctc atacctgcaa 600
gttgtctacg gaacctcgat ctcaaccgcc ggctacatca gcagcatctt caacgtcatt 660
tccggcattt ggctcctagc tgtgggggtc ctcatcaaaa agacctcccg attccgatgg 720
ctgttggtct gggctgtacc gctatacatg ctcggcgtca ctctgatgat ctacttcgcg 780
aaaccggctt ggtccgtggg ttacttgatc atgtgccaag ttctgatcgc gtcggcgggc 840
agtacaatga tcagctgtca gcaggttgct gtttccgcag cgtccgacca caacaacatc 900
gcatctgccc tggcattcct aggtgtgttt gggctctatg gtggggccgt ggggagtagt 960
atctccggtg ctatctggac caacacccta cctggcgctt tgaagaggct gctccctgag 1020
tctgcaaagg cagactggag ggtcatctat gaatcgcttg agatccaact gagctatcct 1080
gtcggctcgc cagttagact tgcaattgct tctgcttatg ctgagacaca gacaaaaatg 1140
ctgattgcag gcaccgggat catggcgctt tcgctgatat ggatgttcct gataaaagat 1200
atccggctta gcaaggatgc acagagtaag ggagttgtgc ttaggggtt cttctgagaa 1260
agag 1264

<210> 20435

<211> 1264

<212> DNA

<213> Aspergillus nidulans

<400> 20435

ccacggcttt cggtacgtga gccgtagtct cggctttgcg atgggggtatc tgtattggta 60
cagcttgggt atcttgggtcc cctacgaaat cgtcgccgcc tcgctagtga ttgattactg 120
gccgaacggt gtgccttttg ctgcttggat cactatcatg ctggttgtca ttgtggtcct 180
gaattatatg cctgttggaa tatacggaga gaccgagttc tggtttgctg ggatcaagat 240
catcaccctc atcgggctgt tactgttgag tttcatcctt ttctggggcg gcgggccgaa 300
tcgacaacga ttgggattcc attactggaa ggatcctggg gcgatgaaca cgtacctcgt 360
tacctcaaat gagaacacag gaaggttcat cgggttggtta cagtgcacgc tcaagtccgc 420
catcgcatc atctttgccc cggaactcat catcgtcaca gctggagaga tggagtcgcc 480
gagacggaac gtgccaagg ctgggaggag atatatttat cgactcgtga tattctatct 540
cctcggcgcc ctgcgattg gcgtcatctg ctcgagtcag gaccaggcac tcctcacggg 600
cgacacgaac aacgcctccg cgtccccatt cgttcagca atccagaacg caggcatacc 660
tgttctccgc cacattgtca acgcggcgat tctgacatca gcatggtcgg caggcaactc 720
gttctgtac atgtccagcc gtagcttgta cggcttgct gtatcgggga acgcaccgag 780
catattcaag tcgtgcaaca gatttgggtg tccatggctt gctgtcactg tgtctgcgct 840
tttttctctc ctctcatacc tcgccgtttc ttccggcagc tacaccgtct tcaactggct 900
tatcaacttc accaacacgt caggcttcat ctctggatc tgctgctgca tcgtgtactt 960
tcggtttaac gccgctatca aggtcaggg tgtggagaag ccttactcgt ctgcctgca 1020
accctatgga atctgggtcg gattatcttt tgccattttt ctgctactga tcaacggctt 1080
cacatgtttc ttcccgcaa attggtcagc agcgaacttc ttcacagcgt acatcgcat 1140
cccggcgttt gcgctgcttt atgtcggaca tcgcatctgg ttctggagcg acccgtgggc 1200
ttggaagagc accgaggtgg atttgcagac cgggctgcag gagatccttg cggctgagaa 1260
gccg 1264

<210> 20436

<211> 1267

<212> DNA

<213> *Aspergillus nidulans*

<400> 20436

agacgcagac ccggcattgg cgcgccgaca ggtgacgaac aggtgggtca gagcaagcag 60
 cttcggacac ctttcgggggt cattagtgtc cgcacatggc tatggagcgc aaactttgcy 120
 acccttatcg tcgtcctagt tgtcttttct gtgttactct ctgttccgat catggagaag 180
 ccggagcagc agaattgcct ggcgatgctc gtttttgtga gcttattatg ggctacagag 240
 gtgatccac tctttgtgac gtctctcttt attccattcc ttgtcgtact gctcgggtatc 300
 atgaaatcag acgagaagcc atataaacgg ttaggacctt aagaagccac tagcgttcct 360
 ttggcgccat gtggaccctt gtgattatgc tgcttctagg cggtttcact atagctgcag 420
 cactgtctaa gtacgacatt gctcggcgaa tggcgttggt tgtattgagc aaagccggct 480
 ctaaccatcg cattgtacta cttaccaata tgttcgtgag catgttcctt agtatgtgga 540
 ttagcaatgt cgcctctccg gttctctgct attcgatcat ccagggttagt ggttcttatt 600
 tcgacggttt actgatgact ggctgacgta tacagccttt gttacggaat ctttcgcctg 660
 attccagctt tgccaaagct ttgggtcttg gaattgctct tgctgcaaat gtcggcgggc 720
 cagcatcgcc gatcgctcc ccgcagaaca tcattgctct tcaaaacatg taccacagca 780
 tcagctgggg cacttggttc ttcatctcac ttccggtctg cataatctcg atcttgttga 840
 tttgggtgct gcttctggtc acctccaac ctggtcgaga taccaccatt gtacccatcc 900
 ggccgctaaa ggataaattt accggcattc agtactttat tagtatcgtc acattgacta 960
 cgattggctt gtggtgtgcc agtcacgagc tggagcatat attcggggac atgggtgtaa 1020
 ttgccatcat ccctattgtc ctattttttg gcactggaat cctaaacaag gaggacttca 1080
 acaactttct ttggaccatc ataattctcg ccgctgggtg actttgcctt ggaaaggctg 1140
 tgacatcttc tgggctgctg cataccattg cagaggacat tcggtcacgg gtcgagcact 1200
 tcagcctata tggagtgttg attgtgtttt cggcactaat cctggtgatt gccacgttca 1260
 tctcgca 1267

<210> 20437
 <211> 1276
 <212> DNA
 <213> Aspergillus nidulans

<400> 20437

tcggtcgagc cgctgtcttc ttctcgccct ctctctgcat catcgccgga gccatcgctc 60

aggcctgctc gttcggctcg caccctgtgt tttacgtcgg ccgtgtcctg attggtctcg 120
 gtgttgggca gttcactgcc acctgtctga tttatatcgg cgagggtgcc ccatcggcc 180
 tcagagggtcc tgccctcatg tgcttccagt tcatgcaatc tatttcccag ctgctcggtg 240
 cctgcgtcaa ccagggcacg cagagcatcc agagcgctca gtectaccgc atccctatgt 300
 gcctcctcgt cgtcctcccc ggcacaaatgc tgctgtgcct gatcttcaca cccgaaagcc 360
 cggtgtggta catgacaaaa gacaagcgcg atgcggccat caaggcgctc cgcaagatca 420
 accgcagcaa ccgcgactac gatccaacta tggacatcca gaccatcgaa aaccagggtcc 480
 agctcgaacg tgagcaagct aaggacgcca cctgggcttc tctgatcaca gaccctgtcg 540
 agcgccggaa actcttctac gcggtcggcg ccatgttcgt gcagcagatc aacggtatcc 600
 agttttggta tacctacggc gttgtctttg cgcagtccat cgggtgttgcg gaccccttca 660
 ccatcaatac cattatctac gtgctgcaaa tcgtcacagt cgctatctcc gtctcttgg 720
 gaaacaaaat caaccgccgc acaaacctta tcgtctgctc aatcggcatc ctggtttccc 780
 tgatcacctg cggcgggccta ggcaccaccc gctccccga tggctccttc tcccgcggcg 840
 tcggtatcgg catcgctcgtc ctgcatata tcaacattat cttttacaac ttctctatcg 900
 gcacgctctc gtactccatc gcatcggaga tgtccgttgg tcggaacaga aacaagatca 960
 cctcgtgcgc gatgggcgta ttcttcgtga ccgtctggct catgggtcttt acgagtccgt 1020
 atatctacta tgacggcaac ctaggtccca tgattggctt tgtctacggc ggcacaacgc 1080
 tgttcttgcg ggcttactcg tggttctgcg tggcgagac ggcggggcgcg agcaacgcgg 1140
 acattgagcg gttgttccag gatcgcgttc ctgctaggca gtgggcgaca tatgtcattc 1200
 ctgatgatgg gctcagtgcg ggagggcaga agaaggggac agatgaggag cagattgaga 1260
 tggttagtt gctgca 1276

<210> 20438
 <211> 1280
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20438

gcctccagat ttccccgcag ttaccacag gcgacaactt gggcgtgagt gactgcta 60
 cctcaatttc tctcggtagg cgaatgcaaa aagcgtggca aaatcctagc atcttttgtt 120

gacccgcggc aagcattcgg gcctgacaag gtcacccccc ctgaggtatt agctggtgct 180
aaggtacgca aaggatactc ggtgaagctg atagctgaat tatggctgat tgcttggctt 240
ctaggggtctt gccattttga ccgtcctgaa agcaggggtt ttgggttccg gtcgatttgg 300
ttcgggtatc gtcgttgctc gactagctga tggatcatgg tccgcgccgt ccgcgatcgc 360
aaccgcaggt gctggatttg gaggtcagat tggatttgag ttgaccgatt tcgtcttcat 420
cttgaacgat gctgccgccg tccgcacatt ctctcaagcc ggaaccctta cgctaggagg 480
taatgtttcg attgccgctg ggccggttgg tcgaaacgct gaagccgctg gtgctgctag 540
tacgaagggt gtggccgctg tattctcata ttccaaaacc aagggacttt tcgccggtgt 600
cagcttagaa ggaagcatgc tggtcgaacg tagggacgcc aatgagagac tctacaatag 660
ccgagtatct gctcgccagc tcctcagtgg tactatcccg cctccaccgg ccgccgaacc 720
tctaatacgt gtgctgaact cccgcgcttt ctacggcgtg cgcacaaacg gcgactctat 780
gtacaacgat atccccgtct acgatgatcg tcatgatgat gtggtctggg agggtcgcag 840
gggagaggca tatggcgagg ggatcagacg tgatcggaca ggataccatg gaccttcaga 900
tgactacgaa taccacgacc ggccgcgccg tgcaacgacg tgggctgacg atatatatga 960
tcgtcctgct ggaggcttga gtcgttcctc caccgcccga tttagcagcc gcaacgacac 1020
ctttgatacc tacaatagac agcggagcaa cacctatgat gatgattatg tgtactctga 1080
ccgcaaacc agtcgtccta cagcacccaa gcccgttttc ggacagcgca ctgggcaggc 1140
cgctccgtta cgcgaggacc aggccattgc gctgtacaca ttcgacgcgg atcaggacgg 1200
tgacttgggt ttcaagaagg gggagattat cacaatcatc aaacgcaccg aaaagaagga 1260
ggattggtgg actgggcgga 1280

<210> 20439
<211> 1284
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 20439

cctcgctagc ctagccctgc agttctacag cctgaaaacc agcaacttcg ggatctcggg 60
actgggcgag gttagatcac cggttcactc taactcagct gcctaggtgc agggcagtc 120
tcagaggggc tatgtggcgc ttctcaaccg ggacggccct ggggtctgca tgttcgacct 180

acagtgcaca aggtattatt tgccaatgaa gagagacaag ggctgtacat cagtcacgcc 240
 ggtatcaccg atcctaattct aggccgccag cagcgtcatg caggagttcc tacgccagga 300
 tctcaaggaa gggagtaaag ggggtgggtca atataccgga gatcagcatc tccggttaagc 360
 actattgagt atatgatatg acatagccac taacaaaaca agggagcttt gtaccattca 420
 atatttttgg ccaaaacggg tacaagcaga ccaagctgca tctctagcgt caaccggaat 480
 aaaaacaccg ttccccacag tcagcagaaa gccggactcg aatacaccgg ctagccattt 540
 gtccgcagca gcccgaaaaa tctcgcatat tcggctgcaa taggggaatg tatcatgcct 600
 aatgaaatga taagagaaaa gaataaatat gtaataatac cccgctcaa caagcatacc 660
 atgcctcggg catcagccca caactcgag gatactataa agcaggatat cccgtcccat 720
 gcattgccta tattccctat atgacaggaa gagtcgacgt cctttgcatt cgtgtatata 780
 gccattgct ggccttacgn ggacgttttc gcaatggaca gttagccgct ctatcgcggc 840
 cgaccttctc ccttgtcgac catgacggac gcactttcac agacacggga ccttggggga 900
 gcatactcac taatcttttt cggttcaca aactgcgtcc gcgtgtgccc cccggctctg 960
 ggacgactat ctggcggttct ggcggaccta aagatggttg ctgagccggt caaggcgtag 1020
 tacgtctctg tcgacccoga tcgtgacacg ccagaagtca tgaaaacttt ccttgaagcg 1080
 tacccggcct tcattggtct aacagggacg caggcccaga tcgatgttgc tcgcagggag 1140
 tttcgtgtct ttgctaaagc gaaggaagac gaaactgcgc atggcgggta tgtgggtccct 1200
 catacggcta ttacctatct cctcaatagg gacggctata tcgtagacca tttcaatgac 1260
 tccgttgacg cggagaccgt cacc 1284

<210> 20440
 <211> 1289
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20440

gggcatcttc atcatacttg ggctcggacg ttctactcac ggccacagct ttatattcag 60
 ccgcaatcac tagcagagat tcagaaagtc gtcaacttgg ctgcgcgttg tcgtcgtcgg 120
 ctgggtgttg ttggtagcgg ccattcgctt tccgatctca catgtttctc cgcgtaggat 180
 gtaaacttag ataaattcaa tcggatattg aacgttgacc gtgagactgg aattgttacg 240

gttgaggccg ggatacgggtt gagggatctg gggaaacaac tggagcaaga atatgggctg 300
 accctctcga atctcgggag tatcgacagc cagtccattg ctggcgtcac cgcgactggc 360
 acacatggaa gctctttggc gcatggactg atttcagaat gcattgtttc tctgacgttg 420
 atgttggcca acgggcaatt agtgcgatgc agtgcggaca gcaaccaggc gctttttcga 480
 gcagctcttg tctcattggg ggactcggga atagtgtgtg aagtcagttt ccgctcggag 540
 ccgtcgttca atattgcatg gaagcagaca aggcgctcgc tttcgagtgt gttggatgag 600
 tggctctctg gcttgtggac gtcgcatgaa ttcgtccgtg tatggtggat gccatacggg 660
 aagagcgtga ttcactggta tgccgacaag acggaccttc cgctgaagcc accaccaagg 720
 acattctatg gagagtccat tggctacat gtataccata atctgctggc cctgtcaaatt 780
 tactttctc ggattctgcc atgggtggaa tggttcgttt tcggtatgca gtatgggttc 840
 agagctgaga agacggtgac agaggcagtc gaaaaaggac gtactggtct cttgatgaat 900
 tgcctctact ctcagtttgt gaatgaatgg gcactgccgc tggaaaaggg tccggaggca 960
 atcacaaggt tgcggcctg gctgcatggc gataccgaaa cagcccgcat cctttttccc 1020
 gttgacggac tctgggttca ttgccctgtc gaagtcaggg ttgcagatac tacactcaac 1080
 aagtatcctc gtcctttcct cgacccgagc agtgcgatg ggcgacatt gtatctcaat 1140
 gcgacactct accgtcccta ccacaaagac ccccttgta aggatcgta ttatgaagca 1200
 tttgagtggc taatgagggg tatgggcgca aaaccgcatt gggccaaaaa ttttaagtca 1260
 atgggccaag agctgcggca gatgtacgg 1289

<210> 20441
 <211> 1290
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20441

ggcccgttt cgccatcttt cctctgctt cccccacac aaacttccat ccgaacattc 60
 agactgcacc tcaacgcac caccctcacc tcaccactca ttcacaccc ctcctctca 120
 ggtaggtcaa tatgccgtt ctttaattcaa cgagcgatcg attgcctttc agatagcacc 180
 acaaaatctg gacacgacct ctgatcgtgg aatggacac gtctgacgtc gtgaaattcc 240
 gagtcttggc acctttcccg aatcccacac ccacagcaca caacctccgt ccattcgaga 300

ttctctggcac tggtattgac gcttcgactc ttgttagatt tctccggact ccgaatctac 360
 cgtaagatg gatcaggcaa agttggctag aatgcaggcg agcgtgcgga tcggtatgtg 420
 attctttttc ttctcttctg ctggagtccg aatgtgcggt gcggttgcca ttctttctcg 480
 gtgcgaggag cgggaaaatc atattttgga tcgattgatt taagcgatgt ttggcatgtg 540
 atggatttgg ctggaactcg cggatttga gaatcagcac tggatcgtct tggtttggat 600
 tggatatctgc tggggttgaa tgaggttgaa tcgaactgca ccgcaccgca ttgttttcag 660
 cgaacggact tgataaattg ctaaattctc tgagaaaacg tccgctaact tgcttctaca 720
 gggatatgta tcttggtttt cctctatct ccatatccgt cgcgataact caaagcggcc 780
 cggacgtccg gaactcaatt agaggaacaa gcatactgac atcgaatagt ggaaagggta 840
 ctccccgcg caaggtcaag aaggtccaca agacctccg gcgcgacgac aagaagctcc 900
 aggctaccct caagaagatg aacgtccagc ccattcaggc catcgaggag gtcaacatgt 960
 tcaaggagga cgggaacgtc atccactttg ccgtcctaa gggatatctac cctccatat 1020
 ccacctctta agactccatt tgcataaggc gcctggagcc aaatcaaaca gaagaacgcg 1080
 cactaactgt tggttgcgaa attaaagtcc acgttccgt cccctccaac accttcgccc 1140
 tctacggcaa cggcgaagag aaggaactca ccgagctcgt ccccggtatc ctcaaccagc 1200
 ttggccccga cagcctagcc tctctccgca agctcgccga gctcttacag aatatgcaga 1260
 agaaccaggc tggtgagaag aaggacgacg 1290

<210> 20442
 <211> 1293
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20442

tgctctttca cgttactacg cctccaagtg tacgcttata tcacatcctc atgctagtgc 60
 ctagcttttt ctgaccaagc gcaaactctac agctttccct cctcacacta tcatcagcat 120
 gcctgccctg tcgccaacaa tgacggcagg aaacattgga gcgtggcaga agaaagctgg 180
 tgatgctttg caacctggcg atgttctggg tgagattgag accgataagg cgcagatgga 240
 ctttgagttc caagaggagg gtatcttggc caaggtgctg aaggaatctg gcgagaaaga 300
 tgtgtctgtt ggctctgtag gtgttccttt cctttgacca tgacaagata cgtttgctaa 360

ttgtgaaatc tcagcctatt gctgtcctag ttgaagaggg caccgacgtc gcggtttttg 420
 aatcgttcag cttggaagat gctggtggcg aggggtgctgg tgccgctcct ccaaaagaaa 480
 ctcaagaaac tcctaaggaa gcccctaagg cttcagagcc atctacgccc cagcctgctg 540
 ctggtgctta tgagcccgat acctccggtg agaagctcca gcctagtctg gaccggaac 600
 ctgcgatcag cccggctgct aaggctttgg ctcttgagaa ggggtgtgcca atcaaggctc 660
 taaagggtag cgggccgggt ggccagatta ccaaggagga tgttgagaag tacaagccta 720
 ctgctgcggc tgccgctgct gggcctgctt ctgaggacat tcctctcaca tcaatgcgca 780
 agacgattgc tagccgctc cagcagtctt ggaaccagaa ccctcacttt ttcgtttcta 840
 ctactctgtc cgtcaccaag cttctgaagc ttccgcaggc actaaacgcc tcctctgagg 900
 gcaagtacaa gctctccgct aatgacttcc tcatcaaggc ttgcgctgcc gctctccgca 960
 aggttcccca ggtgaactcc agctggactg aggagaacgg ccagggtgtt attcgccagc 1020
 acaacagcgt tgacatcagc gttgctgttg ctacgcccggt tgggtctgatc actcctattg 1080
 tgaagaatgc ccagggtctt ggtctttcca gcatttctaa ccagggtcaag gaccttggca 1140
 agcgtgctcg tgacaacaag ctcaagcccg aagagtacca gggcggtact ttcaccatca 1200
 gcaacatggg catgaacct gctgttgagc gcttcaccgc tatcatcaac cccctcagg 1260
 ctggtatcct cgtgttggc actaccgca agg 1293

<210> 20443
 <211> 1295
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20443

cgcgatcaat atatcccaat catcgattca attttatctg cgagcgacct aaatacgatc 60
 tcagagaagc gcattcgcaa aggtctccaa gatgaaattg gctatgatct taccgccaa 120
 aaggtagcgt ctcttgctgc atattgttcc tatactttct ctatgtcaag tcaacatgct 180
 gacgggggtc ctctgtaggc tgccgtgaag cagctcatta tggagagggt cgacatcttt 240
 gctgagaaaa aaggcatagg tgctccgctt acaccaaacy gccaaaacgg ccacgaacaa 300
 cagcataata cggcaacgcc tgtggaacct tcctcaccct cccagtcctc gacagcgag 360
 aaacgtcagg cagatagtgc tgactcggat gatcgtcaa gcaagacgcc cccgcccaag 420

aaacagaagg cgaaccatga tatagatgcg gatgcactct atgctgcaaa gctacaggcc 480
 gaggagaata tgcgagctcg tcttacacga ggcgcaagca cgcgaaaagc ggcgccggtc 540
 aagaagaaga agtctacagc gaaaacggcg aagaaagtaa aggcagagga cgattcagat 600
 atcgggtcgg gctcagagtc agggaagaaa gtgaaccggt ctggaggatt ccacgtaagc 660
 ggaattagct gatggcggtg gctggctgat gctaaaataa tctagaaacc gcttaacctc 720
 tcaccggcgc tctcagcatt gctggggggc ggcgcgacgg tacgtgacca acttattctg 780
 ccctgcaa at tcatgctta aagcta atct cgttggaagc ttccacggcc acaaacagtc 840
 aaaaagctct gggagtacat tcacgagcat gatcttcagg acccaagcga tagacgtcaa 900
 atccgctgtg atgacccat gcgcgctgtg ttcaaacagg accgcataca catgttcacc 960
 atgactaaaa ttctcagtca aaatctgtac agccctgacg aatagctttt ccgtcccggg 1020
 agagactact tgcaatgaca cgctcttgat agcaaatcag cttgtgacac tgcatatttg 1080
 ctgcagtc atacgaacct ttttgtgcac gcatttggtg atcaggcgctc aatttctcgg 1140
 tctgcttttt tctttgttta atctcttat tgttctgtt caaagcatgc gtccagtcca 1200
 atgcattgtg cctttctgct cgctgatggg cggacaatct cttatacttg ttttctgagc 1260
 tgccctatgt ctattaccct aaatcctctc cagcg 1295

<210> 20444
 <211> 1307
 <212> DNA
 <213> Aspergillus nidulans

<400> 20444

tgcagtcata ctttgacatc aagagggctt ttctcattgc gctgtttata tttgaggtcg 60
 gttcattggt ttgcggcgta cgccgacatc tactgcgctg attgtgggac gggctgtagc 120
 cgggttgggc agtgcaggta tattcacagg tgcgctggtc acgatcgcg atgttgctga 180
 attggataaa cgctccctgt actttagtct gatcgggggc gtctatggac tggcgctccat 240
 cattgggcct ttggtgagtc ttccaccct gctcta atgc agacagttct cgactaataa 300
 ttgctttcaa taggcttggc ggcgctttca cagataaggt gacctggtgc tgggtgttct 360
 atatcaatct actgctgggc ggcgtagcgg ccgtcggctt gctgcttctc aggtgaagc 420
 cacagcggca aagccaaaag acctggagga agatattctg gagccttgat cccatcagca 480

ccgtcatctt cgttccgtcc attgtctgcc tctcctctgc gcttgcgtagg ggtggtacaa 540
 cttgccccctg gtcgaatggc cgcaacatcg ccctctttgt cgtctttgcc ctaagtctaa 600
 tcagtttctg cgcgctgcaa ttgtacttga gggaggatgc gactgtgccc gtctctatcg 660
 cccggcaacg gaccattgca tgtgcctcac tatttgagtt ctgcgtaggc gcatcctttt 720
 ttattttcat ctacttcgtt ccgattttgg tatgtcattc ccctgcgacg ccagcccata 780
 tcaaatccta gtatgaatac ctactttgca acaccagtgc tgactatttc tcgcgcccgt 840
 gcagtttcag gcgattaaag gtaccgacgc tgttacagcg ggcgtggatc tcctgccgct 900
 tattctgtca gaaaacgtgg ccattgccat ctcaggtgcg ctcgtcgccc aagtcggcta 960
 cttcgcaccc ttctttatag ccagtgcggt cgcatgtct gtaggcgcg ggctctgtct 1020
 gtcctcgcac ttgcacacgt ccacttcgaa gtgggtgggc taccagtttc tctacggggt 1080
 tggcgtaggt ctaggctctc aacaaggcac ggtagctgcc aaggcagttc tccccttcag 1140
 cgacgtcgcc gtgggtacgg ccgtggtagt atttctccaa gtgctaggtg gctcgatctt 1200
 tgtccccgtg ggcgagagtc aattcacctc atgactcggt gctaaccttc ttgagctcaa 1260
 aatccctggc atcagtcag agagtatcat ccatgctggg gcagcgg 1307

<210> 20445
 <211> 1308
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20445

tgcaggtcct ggagacaagg aaggcagtag tgggtcctga gcatccagat actctcagca 60
 gcatggcaaa tctggcatca acctactgga atcagggccg atggaacgaa gctgagaagt 120
 tggagttgca ggtcctggag acaagcaagg cagtactggg tcttgagcat ccagataccc 180
 tgaccagcat ggcaaactct gcatcaacct accggaatca gggccgatgg aatgatgctg 240
 agaagcttga tgtgcaggtc ctggagacaa ggaaggcagt actgggtcct gagcatccag 300
 ataccctgac cagcatggca aatctggcat caacctactg gaatcagggc cgatggaacg 360
 aagctgagaa gcttgatgtg caggtcctgg agacaaggaa ggcagtactg ggtcctgagc 420
 atctacatac tctcagcagc atggcaaata tggcatcaac ctactggaat cagggccgat 480
 ggaacgaagc tgagaagttg gaggtgcagg tcttgagac aaggaaggca gtactgggtc 540

ctgagcatcc agatactctc agcagcatgc ataatcttgc ctatacatat cattcgatgg 600
 gtagaaacac tgaagcctca gatttaatga cacagtgcgc tacgcttcgt gccagaaata 660
 taggctctac ccacctgat acattgtctt ccagcgatgc tcttacggaa tggcaaaagc 720
 tggaccatca tagatcatca aagccaggca aaggccgaaa actaaaggcc ttggggcggtg 780
 ttctcggttt taagtaggga ctattgccac gatattgtac tcaactactc tccaatattt 840
 tgctaaaaga agcacctgga acagagtttc attaattatt ctcccttggtc aacctgagtc 900
 atgcagttag tccacatgat tccacgtcgg aatctggccc ttttttgact tcaacctagt 960
 ggtacacaca taaaatgcct gcaaaataac ctgtcaatat aactgagatt acccggaaga 1020
 agttgttccg tcccaaaatc agaagcacag gagtctgcta tgggtgaaacc agttcccgaa 1080
 aatcctgtag aggctatgca cactgtgctc agctgtctcg cagtactagg atgggtaaca 1140
 gtttttgaa ttaagtattt ttacatacaa gccagtagat attgaccgta agcgaccacc 1200
 tgccatacat gctaccttcc ttactgata tcaacagcct tcagttacca gagtctggcc 1260
 gagatttctg cctttatcac atactcgggg gttatcgctc ctggcgcc 1308

<210> 20446
 <211> 1309
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20446

ggaattcgat gaagatattg ctacgaagg agctcgttta tacacgaggg catcctctga 60
 aaaagtattc ttaactgaa gaaggggtggg aggttgccaa agctatcaag aagaccgccc 120
 agaagtcaat tcagaatata ctaccgtttg atgttcaatc agtaagtttg cctgaaatac 180
 gcgaagatca gcttactgac gccggcagga tgtaaccgcg gatgaacctt gaaccgcaca 240
 gcgagaagac cttgcaagcc agagggattt cgaacgtcag attagaccag gtctccaagc 300
 tcataatagt caacggcaca ccctagattc cctggagaac acattagaca actcaacgat 360
 cacgccaatc cccatctccc cagacaactt tacggttcaa ctaatccttg acacgcgcga 420
 agttcggaca tccaaagaca gggactacat atccaacgaa ttgatccgca aaggtattac 480
 tcccgaagtc cgcgccctcg aagtcggcga cacaatgtgg gtagccaagt tccacgatcc 540
 aacctttctc cgcaaatacy gagaagaagg cgacgaaatt atgctcgact ggattgtgga 600

gcgtaaacga ctagacgacc ttataggctc tataaaggat ggccgcttcc atgagcagaa 660
 atttcgcctc cgccgttcgg gcattaagaa tggtatctac ctcatgagg agttcgccgt 720
 gacacatcat gagtcaaagtg ccgcagctgc tcagaaatat catgacatgg ttgcttcggc 780
 tattgcacag acgcaagttg tgaatggata ttttgtcaaa cgaacgaaga atctggacga 840
 tacgatacgg tatcttgccg gcatgacatt cctactgaga aatatgtata gcgccccatc 900
 accaccctct tcgcgtacct cagctagacc ttcccatacc ctgcgcctcc tcccgaacct 960
 gcacctcgcc ctctcaagct cccatatttc ggctctcaac acgctccgcg ccgagaacct 1020
 gcacgtcaca tacggcgctc cattcccgac cttctgcgct atcgccctcaa aatcagacgc 1080
 cctgacactc cgtgacatat tcttaaaaat gctcatgtgc accaaggggg ttagcgggga 1140
 taaggcgctg gagattcaaa gggctctggc gacgccccag gcttttatca gggcgtttga 1200
 ggagttgact gaccccaaac aaaaagagaa tatggtggca gatcgcatgg cgcacgttat 1260
 ggtagggagg aagaagattg cgaaagtgc tagtagaaag attgcagag 1309

<210> 20447
 <211> 1309
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20447

ggaattcgat gaagatattg ctacgaagg agctcgttta tacacgaggg catcctctga 60
 aaaagtattc tttaactgaa gaagggtggg aggttgccaa agctatcaag aagaccgccc 120
 agaagtcaat tcagaatata ctaccgtttg atgttcaatc agtaagtttg cctgaaatac 180
 gcgaagatca gcttactgac gccggcagga tgtaaccgcg gatgaacctc gaaccgcaca 240
 gcgagaagac cttgcaagcc agagggattt cgaacgtcag attagaccag gtctccaagc 300
 tcataatagt caacggcaca ccctagattc cctggagaac acattagaca actcaacgat 360
 cacgccaatc cccatctccc cagacaactt taccgttcaa ctaatccttg acacgcgcga 420
 agttcggaca tccaaagaca gggactacat atccaacgaa ttgatccgca aaggatttac 480
 tcccgaagtc cgcgcctctg aagtcggcga cacaatgtgg gtagccaagt tccacgatcc 540
 aacctttctc cgcaaatacg gagaagaagg cgacgaaatt atgctcgact ggattgtgga 600
 gcgtaaacga ctagacgacc ttataggctc tataaaggat ggccgcttcc atgagcagaa 660

atttcgcctc cgccgttcgg gcattaagaa tgttatctac ctcataggagg agttcgccgt 720
 gacacatcat gaggtaaagtg ccgcagctgc tcagaaatat catgacatgg ttgcttcggc 780
 tattgcacag acgcaagttg tgaatggata ttttgtcaaa cgaacgaaga atctggacga 840
 tacgatacgg tatcttgccg gcatgacatt cctactgaga aatatgtata gcgccccatc 900
 accaccctct tcgcgtacct cagctagacc ttcccatacc ctgcacctcc tcccgacccg 960
 gcacctcgcc ctctcaagct cccatatttc ggctctcaac acgctccgcg ccgagaacct 1020
 gcacgtcaca tacggcggtca cattcccgac cttctgcgct atcgctcaa aatcagacgc 1080
 cctgacactc cgtgacatat tcttaaaaat gctcatgtgc accaaggggg ttagcgggga 1140
 taaggcgctg gagattcaaa gggctctggc gacgccccag gcttttatca gggcgtttga 1200
 ggagttgact gaccccaaac aaaaagagaa tatgggtggca gatcgcatgg cgcacgttat 1260
 ggtagggagg aagaagattg cgaaagtgc tagtagaaag attgcagag 1309

<210> 20448
 <211> 1327
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20448

ggtgttcattg acatgacgcc gagtaatgaa cttaccattt atcagggttg taatgctgct 60
 ggggtaccata cggcactaaa actaagtcta aaacgactag agcttatttg gaggccgaat 120
 gcgccccgct gcttgacaaa tagagatcac caagacgatt gtaatcacc catagaaagg 180
 ccaggcttgat atcttgatgg atcagctacc cttctctatt atgaaatttg agtggacgtt 240
 ccatcatgtg gcatgaattg tgctctaaac tgtgaagggt cgaaagggtg aagaatacaa 300
 agctatagaa cgctatgcag attaacaaga tgtatatgct tactagattc tggatttctc 360
 gctgtatcgc tgtataattg ttgataaact tagccagata ggctctagac aagcaggctg 420
 ggcttctcta cgtacagcac tttccaagc ggatattcca gcatgattag cgatataaat 480
 cctccagcct atacgcaggg cgagggtttt gtctgagtt ttccagggat ctactaatgc 540
 ctctgtattg aaggttctat tcaggagctg cttcggcatt gtggaaagtg gccgaagcca 600
 aaatctatgc cagtaatgga tactgcaatt cttccaccat ttggagcata gagtaaatgc 660
 gcttcagggc atgggttagc cgggtacctt cctactactc agggggctta agcattcata 720

cgggatgatt actcaatgca gcataggcca gattattgca gccaaaacag tctatggctc 780
 acctactcca gggttggtta ggagtgtagc tggaagaggt ggaattaata gacactcggt 840
 tctagccagc ccctaagtcg aagtttcggt atttgtcccg gatttgcga actatctgct 900
 ctcacattcc ctcttccat atcacggagg atatctcta tataacctcc ggtgccgctg 960
 agcttgatga tgaacgcaat cgcacgggtga cggcaagaag tcgtcggtga gacggtgggt 1020
 cgtttgtagc gttcggactc aaagtcaatg ttccaacaac cggtagcaat ggatcgctta 1080
 ggaaagattc ttgttcggta gacttgatct cgtattcgaa gggttgcctg tgtgctcaaa 1140
 atatatattg aaagcgccaa aaagttgatg gtactcgtgg gataaggta aagcattaat 1200
 gggactatcg atatttgaat gtcgaaaaa atggatgctt taccctaaac atcttcaagg 1260
 gattgttgat gtcggttacg ctctaccgtc attttgaaga ccctaattca atcctctggg 1320
 tggagcc 1327

<210> 20449
 <211> 1330
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20449

caccatggtc gctgtcgatg caggtaccct gcttgctgga atcggtcacg tcatggaaaa 60
 gtgcaggagc aagaacggca tcaacacgtc tggccctttt gctgggttac gcctaccgta 120
 tgagaccagc ggtgcaaacg caaagcatgt tttcaagaag attatcgacg gggctctgat 180
 cacacaccct catttggacc atgtatcggc tttggccatg aatatccga ttctaaccaa 240
 agaaaacggt ccaaagactg ttgccgcgct gccttctggt atagacgcca tgaagagcca 300
 catcttcaac aacttgattt ggccaaattt ttccgacgag gatgaaggta ttggtttgat 360
 cacatatcag cgtctcgcga atggaggcaa cccaatgctg ggctctggcg atgaacaagg 420
 ttacactcaa gctggcgaag gattgctcgt tcgaggtttt agtgtcagcc atgggcgatg 480
 caaggtgaaa gcaggtactg agcgtcgct aagtatatct tcagcgaaac aagctggacg 540
 gcaaccaagt gaatggtaag cggcataatt gaaggtgcat caacaactga gctaacaacg 600
 tttagggatc caattcattc ccaaccgccc tcttcgagcc aggagacatt gtggactacg 660
 gtcgaaagct ccgccttctt cctccgcgac cagaaaactg gaactgagat catcattttt 720

ggcatgttg agcctgattc ggtatccttc aatccgcgta atcggaaagt atgggaaatc 780
 gctgcaccga aggtcgcttc tggtagcttg cgagccattt tcatcgaatg ttcctatgtt 840
 gattcgactg aggatatcta tttatttggc cacctctgcc cgcgccatct agtcgatgaa 900
 ttgaccgtgc tagctgcacg cgtagctgac atcaaggagc taatgtggcc gccgattccc 960
 aaacgcaaac gggacagtag ttccgagtcg agtagtcagc ggggagatag caaagggaga 1020
 gctgtgtcga ttccaagcag cgtcaggaag cgtgcgtctt ccggaacccg aattagacag 1080
 gctaccgaga catcggactc ggtacccttc gccattgagc gtcaaggctt ttgccgtcag 1140
 acgtgcacta ctagggatgc tctcgaagta gaaaagcctt tggctggcct ttcagtgtac 1200
 gtcattcatg tgaagaact tttgcatgac ggcccagatc ccgcagcaaa gattcttgaa 1260
 gagttgaatg aggtggagtc aataagaaat ttgggatgtg ttttccacat tccaagcga 1320
 ggtgagagca 1330

<210> 20450
 <211> 1333
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20450

catgctttcg actctgggtg tgtgttctcg atgtctggtg cgcgccgcgc gactagtatg 60
 caaccagcgg ctgctctacc agcggagagg tctacaaact ggtatacagc gtccccacgg 120
 actacttcca ccttattaga tacatgctga cgatgcttcc ctttacgcca gacaaactct 180
 tatcacctgc tctcctgacg cgagctcgca accttgcagc cgaacatgca aatctttcga 240
 atcagctgac aacctccttt gatcccaaaa ttgcaaggcg cgtggtgag ctaggtccag 300
 ttgcaaaagc ctgggcagaa tggagcaatg ccaacgaggt cagcttcttc cgcctgacc 360
 aaattggatc tttgactgac gctttgtagt caatgtcaga gcttcattcc atgctagaag 420
 atccagatac ggaagcggag ctgaggtcca ttgccgttga agaattgcaa accacggaag 480
 ctaaactgac tgcgatttgc gataatttga agcgcgccct cgtgccccgc catcctttcg 540
 cagaccttcc atgcttggtg gagatacgtc cagggtgcagg gggggatgaa gcaagtatct 600
 ttgcctttga attactgcag atgtatgtcg ctttttgtgc tcatcaaggg ttacggtcta 660
 ctctcatgaa gcttgaacgt gggacaaccg agcagatgct ctaacggagg ctgttttggg 720

agtagaagca gagggggcgt acgatctctt acggaccgaa tcgggtgtac accgagtcca 780
 gagagtcccg acaacaggag ccaaaggccg caccataacc agtgcggtca gtgtgatggg 840
 cttaccacgc ttcccgaca caggcggcgg tgacggcgcg ttcaactttg acgacccaaa 900
 tagcgactat tacattgatc cgcaagaagt tcgtactgaa aaaatgcgag caagtggcgc 960
 ggggtggccaa catgtaaaca agactgaatc agccattcgt ctgactcaca tgcccacagg 1020
 tattgtggta tcgatgcagg attcgcggtc ccagcatgca aatcgcaaaa aagcgtggca 1080
 gatactgcgg gcaaagctgg cggaagcacg acaggaggcg cgggacaaga attagtcgag 1140
 cttcgaagag gagcaatggg cggtataggg cgaatgggcc gaggtgacaa ggttcgcact 1200
 tataattacg gccaaagccg ctgcacagat catcgaagtg gtttcactgt ccataacctg 1260
 gacaacgtgt tggagggagg tgagacccta gtcaaggcca tggatagcgt gcgacccctg 1320
 ctcatcgacc gcg 1333

<210> 20451
 <211> 1333
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20451

gaaatccac aaccaccacc cagaaatata tctggtattg aacgctttat cgttgtcata 60
 atgtcacctg gcagccggca atcaactcaa acgcatggct tagttgggaa gccattgctg 120
 tgaggaaccc tgctaccctg gtatttctag actaggccac taataagcta cagttacttc 180
 acgagtgtat tcgtgtcatt aggtgtcttc cttttcggtt atgatcaggg tgtgatgtcg 240
 ggaattataa cgttcgtctt cccgcatgca tgctgaagta caaattgaga ctatctttac 300
 tgacaggagg acagaggctt gtacttcaag gattacttca accaaccgtc gcgagcggaa 360
 attggcactg tcgtcgcaat attagaagtt ggggccttca tttcctcatt actcgttgga 420
 aaaattggcg acttaattgg tcgccgcaga accatccttt atggatccat ggtgtttttc 480
 gtaggaggcg ctttccaaac ctttgcgacg gggctaccta tgatgatgct tggccgtata 540
 gtcgccggtc tgggcgttgg agcgttgtcc actattgtcc cggtatatca gtccgagata 600
 tcggtacagt tgccctcatc tccctaatac agaaggctac tatggacgat gctaattttt 660
 gatcaccagc cccctcacia tagaggcaaa ttggcatgta ttgagttcac gggaaatatc 720

ttcggatatg ctgctagtgt ttgggtcgat tacttttgca gtttcattcg cagcgacttt 780
 tcctggcgtc tcccgctgct tttgcagtgt atcatggggg ttttacttgg cctgggaagt 840
 ctcatcattt gcgaatcgcc gaggtaaggc ctttattgat tctcgaaaac gcgcaattcg 900
 tgaaattggc tctaacgctc accctaattg taggtgggta ttggataatg atcatgatga 960
 agaggggatg gtagtcattg caaacctcta tggtaaagga gatcttcaca atcccgaggc 1020
 tcaaagagag tacagggaaa tcaagatgaa cgtgcttatt acacgtcaag aaggggaacg 1080
 atcttacggt gatatgttca aaaggtaaca cagacgtgct cttattgcaa tgtccgcaca 1140
 agcactcgcg caactgaacg ggatcaatgt catctcatac tacgcgccgc ttgtcttcga 1200
 gtccgccggg tggggcgggc gtgatgccat cctcatgacc ggaataaatg gtctaactta 1260
 cttggcgctg acggttcctc cttgggtatc tgtggatggg taggaaaggc gtcccattct 1320
 tctttccggg gcc 1333

<210> 20452
 <211> 1339
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20452

ccgtacgttt gccatcgctg tttctcagac aatcgctaac aggagggcag gatcatcacc 60
 ggcatggtag ggacattcgt catgggcctg tccctccggg acgcatctct gatcatcctc 120
 ttcttcaaca tgctgtgcac aatcccaccg gcgtatttca gcacattcgg gtcccgaaacg 180
 ggctcgctc agatgttgca tgcccgtttc acgtttgggt attatctagt ctccatcacc 240
 gttgcactca acttgtgcac aatcgctggg tttggcgctg taccctctgt tctgggtgga 300
 tccactctcg ccgcggtatc ggggtgggagc atcgacgata ctgcgggtat cgtgggcatt 360
 gggatctcg gtatgggtgg gagttttggc gggtaacaag tcttgacca atatgagcga 420
 tactgctggc tatttgcgct tgttgcaatc gtcattgcca cagggtgtggg cgggagtaaa 480
 ttgtcgatgc aggcgcctac cgagccgcg agtgcggcga cgggtgctgag cttcggaggc 540
 gtcattcgcg gggtttcttat cccctgggct gtaagtgtca tatactcttt ccggtatata 600
 ttctactaac ataaccaggc catggccgct gacttcagcg tctactgcac accttcagtc 660
 tcgtccacc gcattctcgc ctacaactac ctggccctct tcctcccagc agttccgctc 720

atggctctgg gcgccgaat cgggtcgtcg acaaactcta tatcatcctg gtcaacgggg 780
 tacactctat atgggtgttg aggagtcctc gacgccatgc tctcgccagc tggcggtttc 840
 ggcaaattcg tctccgtctt gctctcattt tcaactgctag gcaatctcgc cgcgtcgatg 900
 tactcgatat cccttaactt tcagctacta ctgccatgga agctctggag aagggtcccg 960
 agattcgatg ggtcgattat ctatactggg gttcttatcc cggtttccgt tgttgctgcg 1020
 aagtcattct ttactaacct ggagaacttc ctctacgtta ttgcgtattg gtcggcgggg 1080
 ttcttctctg ttgtgacggg ggagcatttc gttttccggc aggggtgcgtt tgacacgtac 1140
 accgcggacc ccagtggcga cgggaaaacc acctgggaca accagtcgaa gctgccaaact 1200
 ggctcgcggg cgattggcgc gatggcgctt tcgtttggcc tggtcatccc gtgtatgggg 1260
 cagggtgtgt tcaactggccc acttgcaaag acaacggggg atattggggt cgagattgcg 1320
 cttgtgcttg ccggagcac 1339

<210> 20453
 <211> 1346
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20453

cgcgcttaga gctcagtcgg tgtcgagttc gcctattctc cgaagttgaa cctttgcat 60
 gtcgcatgtc acgatgcgac actcttttat ccagcgtct ttcgcatcc ccgcaatccc 120
 ggaacttctc atcaaccaga agccgaccaa ttctgcgcag attctgggat tttcgacgga 180
 agaagcaggc tgctgaaccc cgccggggac cttcgttgct cgacgatata gaaaatttga 240
 gccttgcgcg agcgctagcg gccaaagcct ccaacgagct gcgccttcga tgcaccgagt 300
 ttgatattaa tggaaatgtc actttaatga atggagagtt caaaaaaagc gaacttattg 360
 cgaaggttag gattaaggac tgaatggggg gacgaaaagc taagactgtc acagtatggc 420
 cttcttccgc gtgatcttcg aaaaatcgat tctcaacgc tgctcatat tttcgtgagg 480
 ccagctacta tctgatcaa ccttctccat ctccgcgttt taatcaaagc tgatcgtgtc 540
 ctggtttttg acgcatatgg ctgcacggac tcatatatgc aatctttgtt tgtatatgac 600
 ttggagggca agctacggca gaagcaggct cagagcacgg gtgcgggatc cctgccatat 660
 gagtttcgag cctcgaagc tgtcttgatc agtgtgacca ctggcctaga ggaagaattc 720

aacgggtgtta gggagccggt cgtgcgtgtt ctgcgcgctt tggaggaaga tattgaccgg 780
 gataagctcc gacacttgct tatctactcc aagaagctgg gcacatttga acaaaaggca 840
 cggctgggtcc gagatgcat tgacgatcta ctagaagcgg acgacgacct ggcttctatg 900
 tacctgactg agagagcaaa cggtttccag cgcaagagc acgatcacca ggaagttgag 960
 atgctccttg aatcgtagca caaagtctgc gacgagatcg ttcaagctag cggcaacctt 1020
 gtgaccagca tccgcaacac agaagaagtg taagccgttt tccacaatac attcccgtcc 1080
 ctactaacac tccttagcgt taaagctatc ctgcgacgaa accgcaactc tctcatgctt 1140
 cttgatctca agtttagcat tggcactctc ggctcgcga cggggactct gttctccgcc 1200
 ctctatggca tgaacctgaa gaacttcata gaagagtccg acctcggctt cggcgccgctc 1260
 tccgtcaatt gcttcgcat ctctgctctc gtgtgcgtct acggcctcgc aaagctacgt 1320
 aagctccaac gtgtccgcat gtgggg 1346

<210> 20454
 <211> 1346
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20454

tcttgatttg atccgctccc aagtgcattc aacgaagacc catacaattg gccgctctgg 60
 aaggtacgat tgatgcagga aagggtttgg ttcacgctg acgaatgcat atgctggtag 120
 aaagtataa acctcgctct cgtcgcatc cacgcttgca tgtcaacatt cacggcctcc 180
 ataattcccg catacgagga catttccatt gaccttggag tgtctatgca aagggccagt 240
 tacctgactt cactccagat tgccgtcttg ggtggagcgc cattgttctg gaagccgtta 300
 tccaatcgat atggctcgct acctatattc cttttgtcaa ccatattgag tttgggtctgc 360
 aatattggct gcgcaaagag cccaaattac gcctcgatgg ccgcatgcag agccctaact 420
 gcattcttca tctcaccgcg gccagctatc gggagtgcgg ttgtaacaga aacattcttt 480
 cgaaaagagc gtggctcgata tatgggaatc tggacgttga tggttaccct aggtgtccca 540
 gttggtaagt ctggttgctg atatgaggtc tgaccctcca tgetgacact cgttatccca 600
 ggaccgctga tcttcggatt tgtcacaaat cgtgctggat accgctgggt cttctgggctc 660
 cttgccataa ttaacggagt gcagttcgct ctatacctct tcttcggcgc cgaaactcgt 720

tatatcagca gcaatcagga ccagtcacatca ttcatttccc acagcctgtg cctccctttc 780
cgacgcatag acccgactcc gttaaagctc agcgagtttt atcaccact caccctagta 840
accctcccaa cagtctttat cccagccttt gcatacgcaa tggctcttct attcggcagc 900
gtcctaataca ctgtagaagt accccaattg ttgcaagaga aatttggcct caacgcagaa 960
caactcgggc tccagtttat tggggtcata atcggcactg ttctcggcga gcaaattggc 1020
ggctccctgt ctgatatttg gatgaaccgc cgcacacgca aactccaagc cagaccagag 1080
ccggaattcc gtctgtggct tagttatcca ggtgttcttt tgacgattat cggcgtggtc 1140
gtgttcttag tctgcacgca acaagcagct gagggtcatt gggagggttc acccattatt 1200
ggcacggcga tagcagcctt ccggaatcag gttgtcacca ctgtgttagt cacgtatgct 1260
gtggattctt accccaaga ttccggtagt gttggggctt tcgttacgtt cgtaagacag 1320
atatggggat ttattgggcc attctg 1346

<210> 20455
<211> 1350
<212> DNA
<213> Aspergillus nidulans
<400> 20455

cttccccag agccccctcc tattccccag tccgtagcag acgaggacga tgactccgga 60
tcatcaaccg agacgggtgac cccttcgcca gttaaacaat tattegctcg gccaggaggg 120
accgagggt acgtatacat acttcttcga ttcagttttc cgcttttctc ctaccgaaa 180
tgacgtacat tgtacgacta acgtggagag aaagcttgca agatagggca ctgaactctt 240
tacaatggac cagcttcttc gatcaggaac tctacctcca acggcgagtc aatgatctag 300
acattgtgca tcgatgtata cctcacttcg ccgacgaatt cgggccccgt ctttgtcatg 360
caccacggtg caggctcttc tggcctctct tttgcaaatt gtgctgcaga gatccgcaag 420
atcctgccc aatgcaggat actctctgca gacgcccgcg atcatggcag tacatccgta 480
aaaagagcga gtgaagatgg tgaggcagat cccgaaacgg ctcggttga tttgagcctg 540
gacacgctga accaggatct cctcttcgtt atccgagaaa cgcaagctaa tatgggctgg 600
gagactctgc cggacattgt ccttgtcggc catagcttgg aaggcgcggt gatcacgat 660
gttgccaaga aaggcgaatt aggtgggaag ctgctggctt atgctgtttt ggacgttgtc 720

gaaggtgggt tccaacctat ttctggacca ggacgcggac gctcatgcag aacattaggt 780
 tcggcgatgg atgccctcca gagcatggag acatacctct caactcggcc atcccgtttt 840
 ccttcccttc cttcagggat agaatggcag tatgtccatg cgtactaggc gataacagac 900
 atcttctcta acagtatttc catagcacac gctcgcgcac aatccgcaat agaacctcag 960
 cccgtgtatc cgtcccatcc ctctctacc acgaagatgt ccctaaagac cttcaaagc 1020
 catgggtttg gcgcaccaat ctgcgcgaaa caaagccctt ttgggaaggc tggtttggtg 1080
 gtctaagccg aaagtttctt gaagcgcgtg gggggaagtt gtcctcttg gctgggacag 1140
 acaggctgga taaggagtta atgattggcc agatgcaagg tgagtcttcc tccacttgct 1200
 ttcttacctt tctaaggatg ggctattcta actctatatt ttgcaggga atatcaatta 1260
 caagtcttcc cggacgcggg gcattttata caagaagatc agcctgcccc gacagcacia 1320
 attcctggtc gacttttaca aacggaatga 1350

<210> 20456
 <211> 1353
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20456

ggaaaggggc ggatgattga gctcgacgat gagaactggg aagctcagtt caaagagatc 60
 gagacggcag atcaggggaa gctggatgac gaggccaatg cagccataga ggcgaggttg 120
 aatgatcttg acaggtcagt cccaccacc agtagcacgc aagacctcag tcattttgag 180
 cgcgtatggg aaagagtcca agctgagacg gcaacaaata gaaaattggc ggaggattct 240
 gagtacaata ttgatgataa tctccatatg ggtgatatgg ccgaatggga tgggttcgac 300
 aatctgaata ctcggttcag ggagcctcga ttgggtgatt actcgttcga gcaggagaat 360
 gtcttccgcg acatcgctaa cccctttgag gagggatga agattatgca agaaggcggc 420
 aatctgtccc tggcagctct ggcttttgag gcggcgggtgc agaaagacct tcagcatgtg 480
 aaggcttggg ctatgctggg tactgcccag gctcaaaatg agaaggaact cctgctatt 540
 cgggcactgg agcaagctct caaggtggat ccgaacaatc ttgacgccct catggggctt 600
 gctgtgtcat acacgaacga agggtagac tcaacagctt accgtaccct cgagcgtgtg 660
 ctttccgtta aatatactca gatcattagt cgagatgac tctctcgga cgccgacct 720

ggattcactg accgccagat tcttcatgaa cgtgttaccg atcttttcat acaggcggct 780
 caattgtcgc cgtcgggagc gcaaattgat cctgatgttc aggttggctc gggcgtcctc 840
 ttctattgcg cagaagagta cgagaaggcc gtggactgct ttacgacagc attggcgagc 900
 actgaatccg gaaccacgaa ccagagggag caacttcata tcctttggaa ccgcctggga 960
 gctacgctcg ccaactctgg tcgatcagaa gaagctattg aggcctacga acaagctctg 1020
 aacatcaatc ctaactttgt ccgagcgcgc tacaacctag gcgtatcgtg tatcaatatt 1080
 ggttgttacc cggaagcagc gcaacatctt ctgggagcct tgtccatgca tcgtgtggtc 1140
 gaggaggaag gaaaggaacg agctagggag attgtaggcg gcaatgatgg tcgcatcaac 1200
 gaggccgaac tcaaccgcat gattactgca aaccaaagta ccaaccttta cgacacgttg 1260
 cgacgggtat ttagccaaat gggtcgacga gacctggccg atttggtgga agcgggaatg 1320
 gatgtcaata tattccggaa ggaatttgag ttt 1353

<210> 20457
 <211> 1355
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20457

ttgacgaggt cgcggcagaa catgtcgacg cggacgttgt cgtgcactac ggacgttcat 60
 gcctatcccc gactgctaga cttccagtca tctacgtttt cacgcacaag gagttgcctc 120
 tcgaccaggt tctcaaggcg ttcaaagaga cctaccgga ccagaaaca aaggatgatcc 180
 tcgctgccga tgtaacctac tctgaccata tcccggaagt atactcgcg ctggtgcagg 240
 aggggtacag cagtctgttt gccacggcgt tggttcacga tccgtcgtct gtcataccta 300
 accgcaccgt tccagactcg gtcaaagagg ctccagagtc gctagggaaat tggcagctct 360
 tccacatctc cgaaccgcct acagcgctgc ttctgacgct agcatctcgc gtggcagcaa 420
 tccacatcta ccctactgat gggccggctg gcacagacgt aaagcctcta cccgcatcga 480
 ctgcgatggc cctgcgtcgt cgctacgcta tcttgacacg gttaagcacg gtgcctatct 540
 tcggaatttt ggtcaacaca ctgagcgtaa agaactacct ccatatcgtg gatcatgtca 600
 gagacaagat cgcagctgca gggaagaaaa gttacatggt cgtcgtgggc aagttgaacg 660
 cagccaaggt agccaacttc agcgagattg gtgggtgggt tgtcatcggg tgctgggaaa 720

gttcgctagt cgacagcaag gatttctgga aacccgtcat caccocgttt gagttggaag 780
 ttgcactcaa gggggacgag gagcgggtct ggacaggggc ctggcagagc gacttccaga 840
 gcatccttga ccagccacca ccaagttcca attcccctgg aaacagccag aaggcaaacg 900
 agggacccga attcggggat catgccaggg acgaggacga ggatgctatg tcggaacccg 960
 aatctgcacc accagagttc gacctccgca ccggtcggta cgtctcctac tcgcgaccga 1020
 tgcgcgattc cgcgccccgc gtctccgctt cccaaggcgc cactgcagca atatctgcgc 1080
 agacagggtgc ggctgatggg ccgtctgcag cagagcgct tgctcgaagg gcaaaaggcg 1140
 acctggctat ggtcggcaac actttctcgc caggggcgga attcttgca tctcagcgga 1200
 cgtggacggg gctggggagc gatttcaata gtgcggcgaa tgttgagtat gatgacgagg 1260
 agaatgacag taccctgggt gtgcaagggc gcaaggcat tgcaaggga tatacagtgg 1320
 gggattcaat agacaggcac tagattggcc ctgga 1355

<210> 20458
 <211> 1362
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20458

tcgagaagcc atcgaagtca aggatgcttc atcttgtgcc ttatatcttc ctgcctggg 60
 tcgcctatgt ggtcagcctg gtgatctatc ggctatggct gtcgcgctg gccaaatttc 120
 ccggcccaaa gctggcagcc gcgacgctat ggtatgagac ttactatgat gcgttcaaatt 180
 ggggaaaata tacgtttgag atcgcgaaaa tgcattgagaa atacgggatg cctctggctg 240
 aggtaaatac gacaaagcta accaggacag gaccattgt ccgcatcagc ccacacgaac 300
 tgcacatcaa cgaccccgat tactacgaag tctctactc gcgcgatagc ccacggaata 360
 aatatgaata ttttaccaaa cagttccctg ttgccggcag ctcgatcgcg acggtggacc 420
 attaccacca ccgggtcatc cggtcgaaca tgaaccata cttttcgatt actcgcgcgc 480
 gcaaacaaga gccgctcgtc caagcgctgg tgaacaaact gatcgagcgc ctccaggcat 540
 acaagggcac acaaactccg atcaacctac agcatgcctt tacctgtttc gcgacagatg 600
 tagtttctga ctactccatg ggagtgggat tccattacct cgacgaaccg gacttcatcc 660
 ctgactggag cgatacgctg gcctggagcg tgaaaaacgg cgtgtatctc aaggcctttc 720

cgtgggtcggg cgctctcctc aactccgtgc cgccgtgggtt actctctcgc atctatccag 780
 gcatggggttt gggtttccag tttcaggacc gctgcaaccg gatcgtgcag agaatcatgg 840
 aagagcagaa ggagcggggc tatgaggagg tcaagaatca gttcgatcat ccaacattct 900
 tccatgacgt ccttaccagc aaccttccga aagagctgaa gactcccgac cggctggcac 960
 gcgagggttca agctgtgatt ggagccggat cggaaacgac ggggaagatg ttgacgtgga 1020
 cgatgtacta tcttctggag aatccggaca aaatgaacgc actcaaagag gagttgaaca 1080
 gattggatcc ggaccagacg gcgactctcg tggactttga gaagatgccg tacttgactt 1140
 ctgttatgct cgaggggactt cggtaaatac tctgtatacg caagctgtcc gaaaaagcta 1200
 atggatcctc cagactgtcc tatggttcga gctcaagatt gcaacgtatc gctcctgacc 1260
 gcgacctcaa gttcaaggag tggtcgatcc cagcaggagt aagttcagtg gtatttgcac 1320
 cgaaagcatt ggctaacgat ttagaccccg gtgggcatga cc 1362

<210> 20459
 <211> 1367
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20459

gtcgcggcga atgcgtgtgc tgaagagact ggtctctgcg gttgagtcac caatgcagcg 60
 ccggtatgtc tctgcgactt tgaaagctca ggtgagtga ctcttcttgc ttttatgaag 120
 gctggtgtat ctaacaatgt gaaggggtgcc gttgttactc ctgaccccg tgccgactcc 180
 gtctccgcag cttttgtcaa cgagcgcgcg ccgtaccttg tccctaccta cgtccgcccc 240
 gccccgatca tggttaaggg acaggggtgt tatttgtggg atatggagaa cagacgggtac 300
 ctcgatctca cagcaggaat tgccgtgaac tccctcggtc actgcgatcc cgagatctcc 360
 aagatcatcg ccgagcaggt gcgcacgcta gtctcact atacatacaa atatcagaag 420
 tgctgacggg ttaattaggc cgaaaccctt ctccatgcct ccaacctgta tcacaatgcc 480
 tgggttggcg ctctcagcaa agacctcatc atccttacgc gcgagtcggg agccatgcgc 540
 gacgctgccc aagttttcat cgccaactcc ggcaccgagg ccaacgaggc cgccatcaag 600
 ttcgcccgtg agaccggacg cgcccgcat ccttccggcg caaagcacga aatcgtttcc 660
 ttccacaact ccttccacgg ccgtacaatg ggcgccctct ccgcgacccc gaacccgaaa 720

taccagactc ctttctcacc catgctcccc gggttcaaata acggcaagta caacgatgtt 780
 gcccagctga aagatctcgt gaccgagaag acctgtggtg tgattgtcga gcccatccag 840
 ggccaaggtg gtgtcaacgt tgcaacaccc gagttcctct ctgcccttcg caagcgctgc 900
 gacgacgtcg gcgccgtcct gatcttcgac gagatccagt gtggtctttc tcgcaccggc 960
 agcttctggg cccacgcca tccgtctctc gtcccgtcct ccggcgaagc tgcacaccct 1020
 gacatctca ccaccgcaa agccctcggc aacggcatcc ccacggcgc aaccatcggt 1080
 tctggaaaga ctgttgcgga caacatcaag gccggcgacc acggcaccac ttttggcggc 1140
 aaccctctcg cctgccgtgt agcccacat atcatccacc gcctggcctc gcctgagcta 1200
 cagaaatccg tccaggataa gtccgccatc ctgggtcgctg gcttcaggc gctgcagcag 1260
 aaataccctg atcttgtctc tgagggtgcgc ggccgcggcc tcattcttgg cctgcagctg 1320
 tcgaaagact tctccgcag ggctggtgag attgtcactg ccgcgcg 1367

<210> 20460
 <211> 1372
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20460

gccagcgagg tcaactcaac tgtaccagca tataacctcg ccgcgatcgc cgtcttttgg 60
 atcccatggg gtctagggac agttcttga ctatccgcca gagcacttca tcctcacacc 120
 catattcccg acatatcccg ccgacatcac tgagacagag gtctcaacag gtctggtgat 180
 gccatttctt gttaaagctc tcacgggtga ctctggcatt gtcgcgtttt tcgtgcttct 240
 tttcatggct ttgactagca ctgtatcgtc ttccatgatt gcggtcagca gtatcctctc 300
 gttcgacatc tacaagacat atttcaatcc caaagcaaca gacaggaagc tgctcagagc 360
 aagccacgtc accgtgggtca ttcattgcagt cttcattacc ggcattctaa ttgcactgaa 420
 ttatggcggc gccaacatga cctggcttgg ttacttcaga cccgtccttt cctgtcctgg 480
 aatcattcct ctccggcctga ctcttttctg gagcggccag aaaaaactgg ccgcaattct 540
 cgcgctgtc ttgggggttt tcacaggact cgcaatctgg ctgggtaccg cgcatgctct 600
 gtacggcgaa gtgaacatga taacaacagg gaacccccta cctgcactct acggagctat 660
 tgggtctttt ttctccctg ctatctactc agttgtgatt tctctctaca aaccctacaa 720

attcgactgg cggatcttcc tccgcatcga actcgtgcg gaagcccaac tccacagcgc 780
 cgacaaatca aaagccacag tcattgagtc agaagtgaag gaaaaatccg gtaccaatac 840
 cccaagcgc gacacctcgg acgcagccgc agccacaacc gcaactgcga gtcccgaaca 900
 cgcagccgcc cttgagaagc ccaatcccg atcaagagca aattcaactc ccgtctccga 960
 atcaagccta gacgacattc gccaccctt cgatgaaaag acattaagag aactgtaccg 1020
 ctggatgaag atagcctggg tcatctttgt agtcacgtc ctggtaacct tcatcctctg 1080
 gccgatgccg ctgtaccgga attacatctt cagcaagtcg ttcttctcag gttgggtatc 1140
 cgtggctatt gtctggcaat tttttgcgtt ctctgctgtt gtcattctatc cgctatacga 1200
 tggacggtat gagatcgaca agggcgctcg aggtatgtgg aagtccacga aggagtttgt 1260
 ggcaagagg agttcaaaga ctatagactc ttgagatgaa atcctcacat agaggttgat 1320
 agatgggtat atacgtgtat agaatgaact gcaagcgtct agcgaatata tt 1372

<210> 20461
 <211> 1375
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20461

ccagacagca gcgaaacgca aaaaattgag agagttgtcc taggaggcag acaggtttgt 60
 ttgcagaatc ccatggatag ctgggggatat cggcaacagc ggaccattcg agaaaagcta 120
 ttttgaggca ctagacttcc agcgtccaga gtacgaatgg tgttggtttt ggattggaat 180
 tgattctaac tctcattagg tcttgcttat tgctcgagta taatattccc cggcattaac 240
 ctgccaacg taagctggct tgcaaaccat atttgacaaa ttcagcatgc aaagtacaat 300
 gatattcgac aaaacgtcgg ctacaagaat attatcttct ctaatcgcat gttagcagaa 360
 agtcaccgag caaggggtct atacatgggt cccgaatcag agcaggaaat attcaagcaa 420
 catcgaccta acgcatattc catctggata gtgctgcatg aaatatttgg tcatgggact 480
 ggcaaactcc tctcagagat atccccgggc aacttcaatt ttgatcccaa cgaccctccg 540
 tcaatttaca tcaactggga tccagttaag aaccgggca gacctggacc gaagtatttg 600
 aagacatttc aacgactgta gacgagtgtt gggctgagct tgtgagggcc tattaatttg 660
 acggcccga aattctggcc gtgttcgggt aactcaaca ggggcatatc aagccagatg 720

atcgtatggc gtccctcttg attgctggtc tggctactga caagtcttag tgggtctaaaa 780
 tctgtatctt cgactagcca ctgatggact gcgtggactg gagaactatg atcctgttac 840
 aaaggtagcg acatacccta ttgctgtaca tgggttatgc taacagcccg atagaaatgg 900
 agtcaagcgc atagtcaggt atgccttcta gcaactaatg ataatatagt tagtcagata 960
 tttaaagtgg tgcaggccca ctacgtgata ttccggcatc tcctccgca cagcccaacc 1020
 tctatgcggt tgtaagcgat gctggagcaa gtacgctgog gatcaaatca aactggctct 1080
 gtcttgact gttcatgaag ggaggcctta tctcggtaga atgttatcac gcttactcat 1140
 atcgccgaca ttgccagctg ccgtgacttc tacgagtctc tttccaacgc ggacttcgaa 1200
 gctttaacat ggacggacat agttgttgca aagaaggatc cgctctcca ggcaaataca 1260
 tttactcggg ggtgatgctg tcgaattacg agaatatgag ccaacagcgg gaggagtcac 1320
 tcaaagctgg gcagcaaggg agatccaggg agatcctgtt ctctgtgccc agaga 1375

<210> 20462
 <211> 1378
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20462

cggccggttg aatacccctc cactgagtcc agtaccatc tagttgagtc taacgatgca 60
 gatgattttc cagacgggtg catccgctca tggctcggtt tgctgggctc gttcttcctc 120
 ctcatggcgt cgtacggact catgaactcc gtcggcgctc tccagtctta cctcgaaacc 180
 caccaactgt cgcactactc cagccgcat gtcggttga tctccggcgt tttcgtcttc 240
 acatctctca ttttgggcat ctttgttggc cccctctttg acgcatacgg gccgaaggaa 300
 ctctgtcgtg tggggacggg tatctatagt cttggagtgc ttctgacagc gcaatgtacg 360
 caatattggc acttcattct ttgcttcggc gtaatagccg gtattggagc cgcagtgatc 420
 agtaatgttg gcatgtcctg catcccgcac tggttctatg cgaaagcagg catggcgatt 480
 gggacggcca tggcggggcg gggcttgggg ggcgttgtct tcccgatat cctgcggggag 540
 acgtggacta gtatcggctt caaatgggga atgagagtca ctgcgcttct ggttctcctc 600
 ctctgtggtt cggccacttt cctcgtcaag agccggtgc cccgaaacgg acggccaaag 660
 gccgcgtttg atatccgctg cttcaaggac gcgaggttct cgtggctttc tgctgtacc 720

ttctgtacgt attctgctag gtttagagag gccagacgc gaactttttt tctgactgtc 780
 ttccacttag gcttggaact ggtcgtcttc ggctgctcg gtatcctgcc cagttacgtt 840
 gtcgcgcaag ggttcagcgc cgcacgagc gtcaacctcc tcgtggtgat gaatgtgtaa 900
 ggcttcgacc acgcagccct cgaacgagat taaactaaca tagacagctg caattcgatc 960
 ggccgcctgg tgagcggccg cgttcagac aagtacggcc ggctcaatgt gctcatcctc 1020
 ctatgcgcca tggctgtgat cctcatcttc gccattctct acccgttcag taactctctg 1080
 cccgcgcttt acatattctg cgcgacatat ggcttcgtat cgggctcgtt tatctgcctt 1140
 gccctgtct gcgtccgcca gatctcgcca gctaaggaga cggggatgcg gtttgggaca 1200
 ctgtatgggt tggttgcgtt tgcgtgagtg ccgccgacat atcatccaga gttgtcgtat 1260
 cgaggactat gctaacagtg gcaggacatt gatctgtatc cctattggcg gggaaatgtt 1320
 ggagaaaatt ggggcacata tggttgttgt ctatctcggc gttatgctcg ttgttgcc 1378

<210> 20463
 <211> 1382
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20463

tgcccatgca gaaaggggtca gtaggccaat tttctaaacc cgacgagtta tgctaacttg 60
 tttgaatagg acaaacttga acgagataag aatgataaac aaaccgccta caccattttt 120
 agagccattc cagagaaaat ccgtaagccg ttttcttcag ttctatttct tcttcaatca 180
 ctgaatgtac aacaggccat caggaagcca agaaagaggc ccaagacgct tctatagcta 240
 aaatcagggc gagcattatt aaaattcgcc ataagcagga taaactgtct gtcgagaagg 300
 ctgaagctgt ccttcaatac gcggtatgaa aataggcaat ctcaaccac attgatgcta 360
 acaggtatag aatgctgttg agagtctccg tgaattgcac gaggaattga tcaaactatc 420
 gctgtggaag atcgaatcgt tctcggactg ggaagtcttg aaactccgca atagtgaata 480
 tgaggaaaga cttaacgcaa agagggacga ggtaaagcag ttgtctgaac aagtcaaaca 540
 gaaggcattg gaatgcagaa gggcggagca ggaggcaaaa aagctctcag taaaggctag 600
 agagcagccc gatttgatgg aggtagcaca ggaggtatcg agtaacaatc ttaccccgaga 660
 agcactagaa ggcgaaatcg actccgagca ggcacgtctt gagctcacac acggagggtcc 720

cagcaacgtg gttcaagaat atgaagagcg cgcacggcag atcaataaat tgcgcaagaa 780
 actcacagag ttcatgaga agctcaagca attcaacgac gccattgctg aagtcagagg 840
 caaatgggag cccaagctgg atgcatcgt caagagcgtc agtgacgcat tctccgactc 900
 gttcgccgc atcggtgctg caggtcaagt cagcctggac aagccaggcg atgagcctgg 960
 acctgacggc cagccaagcg gcaacgactt cgacctgtgg tctatccaag tccacgtcaa 1020
 gtttcgagag cagcaaatc ttctactgct cgactcgac cgccagtctg gggcgagag 1080
 agccgtcagt acaatatttt acctcatggc cctacagtcc ctctccgct ctccatttcg 1140
 cgctgttgac gaaatcaatc aggaatgga ccccggaatg agcgcatggt ccacgggagc 1200
 ctggttgaga tcgcttggt cctagcagcg acggtggcg tgggcagtac ttccttatca 1260
 cccgaagct gcttagtgga ctgatacaa acccggtatg agggtccttt gcatcgtcag 1320
 cggatgaacat atgcctgagg accacaatct catagatctt ggtgccgcag taaggaacaa 1380
 gc 1382

<210> 20464
 <211> 1384
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20464

tcgtgctctg gaccttgaca tcgaaaacga aagtaatgtc atcgccatca tagcaacatg 60
 cccaactgaa tgatactggt tgaaactagc gtcgataaaa aatgccgcta gtacagtagc 120
 atatgaaatg atgagccaat accacggcaa cgaaacagga cagattccag gaaaggttcc 180
 cgagtcgtgg tgggaagggt cagcgatgtt catgacgctg atccaatact ggtactggac 240
 tggaggtacc gtctatagcg acgtcacgag agaaggcatg ctctggcaaa aaggcagaga 300
 tgatTTTTTT ttcccagct acttctttgg caataacgac cagatatttt ggggccagct 360
 gctatgacag ctgcagagct gaactttgct gagaaggaag accagccttt gtggctttca 420
 cttgccagg gtgtctttga cgcgcagggt tcgaggtggg atgagactcg ctgcggtggt 480
 gggatgcggt ggcagatttg gccgttccag ggtgggtata tcacgaaaaa tgccatctcg 540
 aatggcggtat tgttccagct cgccgcgaga ctgggccgct atactgaaaa tgaaacgtac 600
 attcgggtggg cggagaagat atgggactgg agtgccacga cgccctgct caagtcggat 660

aactggacta ttgctgacac gacaagtatg gaaaatgatt gtcaggacca tggcgaccag 720
cagtggacat ataattatgg cacttatagc gctggggctg cgtacatgta caacctcgta 780
agtgcccttca tatccaggtg agcgaaacga ctgacattgt ggaagaccaa tgggtgcccag 840
aaatggagag ctgcaatcga cggcttactc gcaacaacat gcaacaacat ggagaacatt 900
tatcgccgaa gatgccatgt ctgaggtctg gtgcgagcaa accatgtcct gtgaccgcaa 960
cagagacatg ttcaagggct tcctttcatc ctggctgaca ttactgcca ccattgcccc 1020
atacaccgct agtgacatca tccccaaaat ccatcgatcc gccattggag cagctagaca 1080
atgcctaggc gggcgaacgt gtggacgtca atggaacgag ggcgactggg acggtagcgc 1140
aacgatggaa tccgacacga gcgccctaag tgtctattcc tcacttatgg tggcctttta 1200
aggacggagc gcaggccttg acccacgcaa cggacgctac cagtagaagc tactcggact 1260
ctggcagaag gaatggtaag ataccgttca ctaagcgtcc tgcgcggct cgagatagac 1320
taagcgcaac gtttgcgaca attctattcc ttgctgcgtg gtttagaggg cttggctggg 1380
tgct 1384

<210> 20465
<211> 1387
<212> DNA
<213> Aspergillus nidulans

<400> 20465
ttaaccggtc aaataatcac gggatgttgc ttaagagtct agctatatctc attctcgccc 60
ttacacaggg cacacacgct accaagctga ttatgtatct tacagggcta gttggccatc 120
attctgatac ctgcgctctg ctcaagctaa cctagagtaa ggcagcacia cgtgggtccct 180
gaaccatccc tcgtctcaga tgtgacgcac gttgcctctg ctttcatgca atcgtaatc 240
ttcaatagga actcaacctc gagctggcct ctcttcacca cagttgatgc tgtccgtacc 300
gaattctcga acggaacatc aatcctcatc tccatcggtg gatggggcga cacgcaggga 360
ttttccacgg ctgctcggac ggacgagagc cggaagctct ttgcggagaa cattaggcgg 420
atgggtggacg ataccggggc ggatggtaag agtagtttca tcaccggtgt attcgccctac 480
tgacgatcag caggagtaga tattgactgg gagtatcctg ggtatgtttt tcctgcctat 540
cgcccgttat agagcggctt gatatttaac gctaaaatta tacagaggca acggcgaaga 600

ctacaaacga atccccaact cggagaaatt ttgggaaacc gcagcatacc cccaacttct 660
 ggagagata cgagcagcca tcccggacaa actgataacc gccgccgttc caggccttcc 720
 acgagacatg ttggctttca caaaagagac tataccctct atcagcgctt cagttgattt 780
 cctcaacgtg atgacatacg acctcatgaa cagacgagac actgtaacga aacatcacac 840
 tggcgtagag ctgtccctgg agtcaataga tgcatatata gaggccggca tgccgcctga 900
 aaagctcaac ctccggcctcg cgtactatgt taaatgggtc aagaccgtgc caggcgaaca 960
 gtgcgcaaaa cagccaattg gatgtccgac tgttttaatg gaggaccggg atacgggtgc 1020
 ggatcttggg caagcaggcg cattttcatg gaatgatcga gttccccaag agctgggtgc 1080
 gagttttgaa aaggccaaaa taagtgggtg atatgatcct tttggcgggc gctattactt 1140
 ctgggactcg aatgaaaaca tcttctgggtc gtgggacaca gcaaagtcta ttaaaagaaa 1200
 gtttctgctt attttggaga agagaaagct cgggtggcgtg tttgcttggg gcttgggtga 1260
 ggatgctcct gagtttgcgc acctcaaggc aacgactgct ggccctgggg actcttcggc 1320
 agcgcccgcc ggcaagctaa gtacaagtag gaaagatgag ttatgattcc tcttcaaggc 1380
 gcagccc 1387

<210> 20466
 <211> 1389
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20466

cataagttac tatacgccaa gccaaactat ggaaacccaa cgaagtcggg aaagatgcaa 60
 gtagttaggt cgctgctcga gctatggaaa gagacgggcc aaaaaacact tctatttgct 120
 caacatcgaa tcattgctaga tatcttggag aaattcgtca aatctctctc tggcttcaac 180
 tatcgccgta tggacggcac tacgcccatt cagcaccggc aaacgatggg tgacgagttc 240
 aacaaagacc ctgatttgca tgtcttctta cttaccacta aggttggagg attaggtgtc 300
 aacctcaccg gggcagaccg cgatcatcatt tacgaccctg actggaatcc ttcgactgac 360
 gtacaggccc gagaacgtgc atggcgactt ggacagaagc gtgatgtgac catttaccga 420
 ttgatgactg ctgggactat cgaggaaaaa atttatcatc gtcagatatt taagcaattt 480
 ctgacaaata agattctgaa agaccctaag cagcggcaga ctttccagct cagtgactta 540

tatgacctct ttgcactggg agaagagggt caaggcccaa cggagacaag caagttattc 600
aaagaagccg aagtcactta cgaggaaaac agggacaaaag atgcaccaa ggaacgtgac 660
gctagttacc agcgagacgt agaggccgaa aagcaagaca tcagcaaggt aaccggagtc 720
gctgcaatcg aacagttcca aggtgaaccg gaacagcaag cgaagcagga gtcaggagaa 780
tccggcacia actccgagtc ggcctgatg gagggatatat tcgccagatc aggcgttcac 840
tcagcgctcg aacacgacca aatcgtcaac ggcaaacgag tcgtcagagc agacccaag 900
ataatcgaag cggaagcgaa gcgagtagcc gctgaagccg ctgagcaact ccgccgtgca 960
ggcgaagcag ccaaactctgt tccaatcggg accccaacat ggacgggaca gttcgggtgtt 1020
gccgggaaac cggaggagtc accaatgccc atgcgaggtc cgttcggcgg acgaagcagc 1080
acagccagac ggcacctagc cggtcctcgc tcggcaagta tcatagctaa tctctcttct 1140
cgtacgccct cgtctcgaag tgccaccaat agcctgccc caggaaatga gccagcggg 1200
aaggatttca tcacgatgat ccgggatttt atcacaaccc atggagggtc agtctacaca 1260
cagaatctga ttgaccattt taaccggtac tgtaccacac caaaaagtc agcagaattc 1320
aaggagatgc tgaagcagat tgctgttctc gataaagggg gaagaaatgg taggggcagg 1380
tggcaattg 1389

<210> 20467
<211> 1389
<212> DNA
<213> Aspergillus nidulans
<400> 20467

ctttttatac taattcaact tatcctgcc aagttgctct ccttcctaaa taccagcttc 60
atgatgcctc gcggcggtt tcatccagta gaactccgtg tccaagttct tactttatca 120
gctatcggat ttagtacaga gaagatctca aaatctttga atctctctcc tcgtacggtc 180
cagagcatcg taaagaaagg cagagatcgt ggctaccggc cggaagtaag cctgcgcgtg 240
cagcttgaat ttgttgagga tagaaagcga tctggccggc ctgttgagat tactgaagct 300
actcagaata ctgttattac ttcagtaact gcagatcaag cagggcgcg gaaatcatca 360
gaaattcttg cttatgaagc tggatatctc cattcttctg ttcttcgtat ccttcattct 420
catggctttg ttattgcaaa accttcctgg aagcctggtc tgactgaagc tgctcgtctt 480

aggcgctcttg aattctgcct tgcccaccaa cattggacat tagaagactg gaaacgcgtg 540
 atctttaccg acgagactgg tattattctt ggccaccgcc gcggagcaat acgagtgtgg 600
 aggactgtga aagattcaca tacaaggaat tgtgtacgga ggcgctggaa ggctgctct 660
 gacttcattg tatgggggtg ctctcatat gataagaagg gccctttaca tatctacaag 720
 ccggagactg ctgccatgcg gaagcaggca gatatagaga ttgaagccat gaatcgtgag 780
 ctggaacctc tatgccggga ggaatgggag ttggctacag gtctttctcg tgttcattta 840
 cgcccaaadc gcggccgtgt tcctaaatgg aattggaaca agaagaacgg taagcttata 900
 cgtaaaggta aaggggggat tgattgggtg agatatcaaa cagtttggtc ccttatctct 960
 ataattctct attatagagt agttaagcac gtgctaatta cttattctac tgcctaggaa 1020
 gtccttaaac ctcttcttat tccatttgca aaagaatgca tgattgagcg cccaataact 1080
 attattttag aggatagcgc gcctgccac tgtcaccgaa tccagcagca tgtctataaa 1140
 gcagaagacg tgcaaaagat ccttgactgg cctggcaatt caccggatct caacgcaatt 1200
 gagccgtgct gggcttgat gaagaagcgt acaacatccc gcggtgcgcc ccgcgataag 1260
 aagacaggag aagcagaatg gaggcaggct tgggcggatc tcccacagga gactatacaa 1320
 cactggattg agcgtctaat tcgtcatatt cagattgtta tcgagctaga agggggtaat 1380
 gaatacaag 1389

<210> 20468
 <211> 1395
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20468

cgaaacaaaa atacacaggt gaagaagagg agttgccaca gcatggccag cgaggaccgc 60
 gcatagtcgg gccgggccag cttgacgata cacagattgt tctccgagtc agtatccgcc 120
 tattgttctt gctaagttac agtgctaata cttgctgcta acagaggacc ggtccgcctc 180
 cgtacggcaa ccgagcagga tggcgtcctc gagcgcccga agatttcggc gacgggtggcg 240
 cgttccccga gattctcggt gcgcagtacc ccctagacat gggccggaag ggaacgcaat 300
 caaaatcgaa tgcgcttgct gtgcaagtag acgcggaagg aaaggtcaag tatgacgcta 360
 tcgcacgccg cggacacagc gacgaccgga tcgtacacgc ttcgttcaag gatttaatcc 420

ctctccgaca acgggtggat atgggcgagg tatctctgga caggccgtcg gaggaagagg 480
 ttcaggcgca gatggagaag acaaaaaacg cgcttgctag cttggtgtcg ggggctgtgg 540
 ctgcacagaa gcctaagaac gtgaaggggtg gtagccgggc agagcccacg tttgtacgat 600
 acacgccggc aaatcaaagt ggtgatacaa gtcggaaaaa tgatcggatt atgaaaattg 660
 tcgagcgcca gcaagaccct atggagcctc cgaagttcaa gcacaagaag atcccgcgtg 720
 gaccaccgtc gcctcctccg ccgattatgc actcgccgcc gcgtaaaactg acggcggagg 780
 atcaggaagc ttggaagatt ccgcctcctg tgtcgaattg gaagaatcct aagggttata 840
 cggtgccgtt ggacaagcgg ttggctgctg atggacgcgg gctacaggat gtttcgatta 900
 atgataagtt tgcgcagttt gcggaagcac tatttacggc tgatcgacat gcccgtgagg 960
 aggtccgact ccgcgcccag atgcaacaga ggttggcgga gaaggagaag gcacagaagg 1020
 aagagcatct ccgtgctcta gcccagaagg cacgcgaaga gagaagcaga gcgcagtctc 1080
 gtgcctcaca ctcccaagc cgcggccgta gccgtagccg cagctactcc gatgcgtcat 1140
 cgcgatcccc cacaccagc gaagacgaag aagccgccc agagcgtgaa cgcacccgtc 1200
 gtgaacgacg tcaagacgcc gaacgccagc tccgtcaatc acgcatgggc accgagcgac 1260
 gtattcaagc aatggcccg gcacaaaatc gcgacatttc agaaaaggta gccctcggtc 1320
 tagcaaagcc aacgcagtcg tccgaaacca tgtgggattc ccgcctcttc aaccagacca 1380
 gcgggctgag caccg 1395

<210> 20469
 <211> 1396
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20469

atggaagcca tctaacacct caatttgaca agctctgtga ggataatggc ataatatctc 60
 tttgcatgcc tgctggttca tctcatctac tacaaccact agatattggc tgttttggtc 120
 cgctcaagcg tgcatatgga ggtcttattg aatcaagatc acgccttggc aaacaccata 180
 tcgacaagtt tgactttgta ggggcctatc cccgtgcata tcagagtatt tttaatgaga 240
 agaacattca gagcagcttt gctgccgcag ggatagagcc atatgaccca gatagggttc 300
 tcagcaaact tcatgtatcg ctttctacac catctcccc ctggcatcaa gcaggggttc 360

tagtacatTT gctacacccc atacagttcg acaactgcac cgaaagactc tattgcttca 420
 gaattctata gagagggcct ctaaggcgct tgttgaggat actaataacc atatagagca 480
 gttgcgaaaa ggctttgaag ttgctttata tgacaaggaa tttcttggtg attatcttta 540
 taaaatctat cctgtattag aatgggatga atatctttta tatatccttg tcttctgccca 600
 ggtccatgtg aagcaaaact cttataaaaa gtttagagat tatcctgcta aggaggctgt 660
 ctatcagtta tagaatatac ccagtcagaa agagtctttt aaaaagatgg aggggtattct 720
 tgagctcttt cctcataaca agctaagaag atggctggag tataaattaa gcaagccctg 780
 gatcctgggt ggatatgtcc tggccagtta aaaatagact ttcaatattt ggaggtagac 840
 ttgttaaacc caaccacga aaccgcccc aaccgcca gaaatgggtt ggggtggacct 900
 tctaattatc cattgggttt tgaatatttt tggctgcccc aaagcccggc ggagcaacct 960
 gctgggttgc caagatatct gaataggtat attactgtat ttagattaca ttttcttact 1020
 tagatgattt ataatacagt atttaaatac agtattttat tagttacgta gatcactgct 1080
 tattagagta attatatgca taactgggtt attttgggtt attttgggtt atttgggttg 1140
 ggttcgaatt atttgctaaa cccatgggcg gtttactgtt caggtaacct accccaaaaa 1200
 ccgcgtgggc ggatcagcta ggctgaaaa ccgccccaac ccgtggttta acaagtctag 1260
 gtttgccgtt tgtgaagggc tgaagtgaga cttgaattcc atctgactag gccacaacct 1320
 gtgtacaaaa cgtctggaga cgagaaggag cgggggcaag cgcggaacaa cgatagaaga 1380
 agcaggccag gcggtg 1396

<210> 20470
 <211> 1406
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20470

cgcggtgtctt tgcattgggt cttggattga tcttgtccag cattgccaaag tttgcgggca 60
 agaccaataa ccccttcttg ccgatcatgc acgcagagaa cggtaggttg aacaagctag 120
 gattgcttct cgctattttg gctggcatcc gttcattcag agtccctgcc agcagtggcg 180
 gggactatTT cccctccacc ggcaagaaag gatcttcttt gcttgctgga ttgggattgg 240
 gaagtatgat attcttgatg cattacctct tgtctgatte tagtaccatg attgcctggg 300

tttgggaggg ctacccagtc cgtggcccca tcgccgtgcc tcatggagcg cttactatct 360
 ttgcgatggg cgctggactc gcgtttggct tgttttacct taacgttgct ggaagctgga 420
 ccgcttttgg tattggctct gttggtgcag cttttcttac aggcaccagc cactggagtg 480
 gattctacgg tgctctcacg atttctttct acctcatggc cgtttcgcct gtgatgatct 540
 cttctgcggc tcgtcattcg ccagcgatca cgttcggact cgccttcttc gtttatgtct 600
 tcctccttct cttccatgtg tgggttggtg cctacgcttt cgttcccggc ggaccgctcg 660
 tcagagagca caccgattgg ctcagtactg ttgcgatgct ttttatcggt gcaggtgtct 720
 tctctgcggc ggtgtcgaga tcaagtggcc ctaggaccaa tgccatcagc ccaaacggca 780
 ggagattgcy ctcatactat gtctatgtgc tcgttgcatc gcagcttctg tctgtctcta 840
 tcgcgtacct ccgtttccca acgaacgact acacgcctta ccacaaagaa gaaaaggctg 900
 taaccgccgg tatctggacc gtccactttg gtctggataa tgatatgtgg gcctctgagc 960
 gacgcatgcy tgatgtaatc caggaactcg agattgacgt tctcggtctt cttgagtctg 1020
 acaaccagcy catcatcatg ggcaaccgtg atataacgca gttcatcgcc gaagatttgg 1080
 gcatgtacgc cgattttggc ccgggtccca acaagcatac atggggctct gcttgctttc 1140
 caagttccct atcgtcaact ccactcacca tctccttctt tcacctgttg gtgaactcgc 1200
 tcctgccatc cacgctacct tggatatgta tggcgagctg gttgatgtcg ttgtcttcca 1260
 ttcaggacaa gaggaagatc cagaggaccg tcgctgcaa accgagtacc tgtcgaagct 1320
 aatgggctct tcccccgtc cgcttctcct cctgagctac ctagtcacta aaccgctcga 1380
 aggcaactac aacacctacg ttagcg 1406

<210> 20471
 <211> 1407
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20471

tgggcaacct cgcattccaca tagctggaac caaggacggt tgaaggaagc cgaagagctg 60
 caggagcagg taatcgcaac ctctaaacaa aggctagggc cagaccatcc ttctactctg 120
 aacagtatgg ccaacctcgc atccacatac tggaatcaag gtcggtggca ggaagccgaa 180
 gagctggtgg tacaagtaat ggcaacacag caaggagtgc tagggtcaga gcattctgac 240

actctgacca gtatggccaa ccttgcaccc atatatcaga tccagggacg gtggaaggaa 300
 accgaagagc tggaggagca ggtaatggca actcgaaaag aagtgcagg gtcagagcat 360
 catgaaactt tggctagcat gtccaacctt gcatccatat atcagatcca aggacgggtg 420
 aaggaagccg aagagctgca ggagcaggta atagcaactc gaaaagaagt gctaggtgca 480
 gagcaccctg acactttaac tagcatgttc aagctcgcat caatatactg gaaccaagga 540
 cggtggaagg aagcagaaga gctgcaggag caggtaatag caactcgaaa agaagtgcta 600
 ggtgcagagc acctgacact ttaactagca tgttcaagct cgcataata tactggaacc 660
 aaggacgggtg gaaggaagca gaagagctgc aggagcagggt attggcacct ctaaacaag 720
 gctagggcca gagcatccct ttactctgac tagcatgtgc aaccttgcac ccatatactt 780
 gaatcaaggt cgattgaagg aagccgaaga gctgcaggta catgtaatgg caacacagaa 840
 agaagtgcta gggtcagagc aatctgacac tctaaccagt atggccaacc ccgaatcaac 900
 atactggaac caagaacagt ggaaggaagc cgaagagctg caggagcaga tattggcaac 960
 cttcaaacia aggctagggc cagagcatct ctctactctg accattatgg ctaacctcgc 1020
 atccacatac cggtaccaag gtcgggtgga ggaagccgag gagctagagg tgcattgtact 1080
 tgcaaccttc aaccaattgc tagggccaaa gaatccctct actctgacca ttatggctaa 1140
 cctcgcaacc acataccgaa accgaggtcg gttgaaggaa gccgaagggc tagaattgca 1200
 agtattggca actcgaaaag aagtacttgg cctagaccat catgacactc tgactagcat 1260
 gcacaatctt gccacactt ggaaacaact aggaacactc cagaacgctt tagatctgat 1320
 ggaaaaatgt ttacagctcc gcattaaact tctgggtcca gatcatctc ataccagatc 1380
 cgctccaat actctcaggc gctggga 1407

<210> 20472
 <211> 1412
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20472

gcagttcagc gggaaagaac atcgaggatc tcttatatta cagcttatga cgaggtttgc 60
 ttctctcttt atatcttcaa ttgacggaac ttcacggaa atatccacga aagaattatg 120
 cggtggtgct aggatattt atatattcaa ctctgtcttc ggcaactctc ttgacacgat 180

tgatccaact caaaatcttt caatttcaga tatcaggact gctatccgta actcaacggg 240
 gccgcgtcca agtctttttg ttccggagct cgcttttgat cttctcgtga aacctcagat 300
 caaattgctt gaacccccta gccagcgggtg tgttgagctg gtttacgaag aacttataaa 360
 gatatgccac acttgtggct cgcaagagct gttgcgcttt cctcgtctcc aggccaaact 420
 cattgaagtc gtgtctgacc tcctgcgcga gaggctaggt cctcgtctcc cttacgtgga 480
 gtcgttgata tctattcaaa gggcctacat caacacgaat catccaaatt tccttggtgc 540
 agccgcccga atgtcgtcaa ttatccaaag caaacaggac caagagagga aagccgcgct 600
 cgcgaggaa cgacgcaagc gagagaagag acgaatcaag gaactcgggtg gtccaaacgg 660
 aaacgcacca acacatccgg aagacgagga agagcaaccg gaaacaaaaa accttcccat 720
 caggactcaa tctagcaaag ggacccgcag catgtctcct catattggaa aaatatcaga 780
 cactggaatc acggcaactt tgaacgggac gcattcgaat cctccaaccg gctttggcgg 840
 tgctaatacc acccgcgatt ccttcctgaa ctacttcttt ggcaaagatg gtgcccagcc 900
 ccaacttact acctcagcct ctcccaatca aaaccaaact aggcagtcca tccatgaggt 960
 caatgtgagc tcaaacgctc gacgcaccga gatgctttct ccggtggatg attataccac 1020
 ggtgcccga tataacgaag cgagttctgt tgtaagtatc tgttccaat tgtatatgaa 1080
 gcactctatt gacacaccac gaaattgtct agttgaagga cgattctgag ccggcaatat 1140
 ctgagcgaga gctcatggag acggaattga ttcgtcgggt gatctcttca tatttcacca 1200
 ttgtgagga gacaatcgcc gaccaggttc caaaagctat tatgcatctt cttgtcaacc 1260
 acagtaaaga tggtgtgcag aatcggcttg ttagtgagct ctacaaggaa gagttcttcg 1320
 ctgagcttct atatgaggat gatggcatca aagccgagag agagaagtgt gagaggttgt 1380
 tagaaacata caaagcggca gcgaaaattg tc 1412

<210> 20473
 <211> 1417
 <212> DNA
 <213> Aspergillus nidulans

<400> 20473

tccactgggt cccgtttatt gggagcacca ttagctacgg cattgaccgg tacaagtttt 60
 ttttcaactg ccgcgcacag gtatgttata tctccattcg attgacaagc tctatccctg 120

actactgtgg ctcataattta gtatggagat attatcacgt tcgtccttct gggaaagaag 180
 actaccgttt atctcggtac taagggcaat gactttatcc tgaacggaaa gctaaagatg 240
 tgtgtgccga ggaagtctat tctccctga caaccctgt atttgggcgt cacgtcgtct 300
 atgattgtcc caatgcgaaa ctcattggagc aaaagaaggt gaatcccat tcgcttggtta 360
 ggtttcccggt ggaatctcta tctgataaat ttgcagttcg tcaagtacgg ccttacctca 420
 gatgctctcc gttcctacgt ccagttgatc actgcagaag ttgaagactt tgctcagaaa 480
 tcatcagtct tccagaacgc gaagggtgtc ttcgacgtat cgagaacgat tgccgagatc 540
 acgatttaca ctgcttcacg ctcgctccag ggaaggaggg tacgtgacaa gtttgactcg 600
 acatttgcgg agttgtatca tgatcttgat atgggctttg ctcccatcaa cttcatgctc 660
 ccttacgcgc ccttcctca caaccggaaa cgtgacgcgg cccagaggaa aatggccgaa 720
 acctatatgg agatcatcaa agagcgtcgc aaatctggcg agaaaaaaga ttctgaggac 780
 atggtttga acctcatgtc ttgcgtttac aagaacggaa ctccgttgtc cgacgaagaa 840
 attgccaca tgatgatcgc acttctgatg gctggacaac attcatcttc ctctaccctt 900
 tcatggattc tgttgcatct cgcgaggcac cctgagattg tggaggagtt gtatcaggaa 960
 caactcaaag ttttgggacg tgatatgcat atgacctacg acgacctcca gaagctggag 1020
 cttcattcca agatcattaa agagacattg cgcatacatg cacctattca ctogatcatc 1080
 agggcagtca aaagtcctat gcccgtagct ggaacctcat acgttatccc aacgtcgcac 1140
 aatgtccttt cctcgcctgg tgtaactgct aggtccgatg agttttttcc gaaccattg 1200
 aaatgggacg ctcaccgctg ggacagcaat cctattgccca actcgaccga ggatgaggag 1260
 aagatcgact atggctatgg tctggtcagc aagggtacca acagccctta tcttcattt 1320
 ggcgctggga gacatagatg cattggcgag caatttgctt atgtccaatt gattaccgtc 1380
 accgcagctc ttgtgcggct gtttaagttt gacactg 1417

<210> 20474
 <211> 1424
 <212> DNA
 <213> Aspergillus nidulans

 <400> 20474

gtctacatgg cctattacac cattgcccac attttgcgcg gtgacgggta cggtaagtcg 60

acaggttaagc tcaacatcaa ggcagagcaa atgatcgacg aggtttggga ctatgtgttc 120
 tgccgacgtg agatcagcga tgagctcatc tcgaagagcg gtcttagcaa ggacgctctc 180
 caggctatgc gaagagaatt cgaatactgg tatcccatgg acgtccgagt gtctggaaag 240
 gatctcattc agaaccactt gaccttcttc ctttatatcc acgtagetct cttcccaccg 300
 caatactggc ctgcggtgt ctgtgccaac gacacttgct cttgaacggg gataagatga 360
 gcaagagcac cggaaacttc ttgaccctga aagactccgt tgacaaattc ggtgctgatg 420
 ctactcgcat tgccttcgcc gacgccggtg atggaatcga agacgccaac tttgaggaga 480
 gcgttgccaa cagcaacatt cttcgtctct ttactttgaa ggagtggatt gaggaggttg 540
 tcaaggatga gagtttgca acaggaccgc cagaccactt ctgggacaag gttttcgaca 600
 acgagataaa caccctggtt cgtgaaggca agaagaacta ccaagagtga gtcaaccgat 660
 atcctagcct ggggttccaa agctaactaa ttagcacca acttcaagct cgctcttaag 720
 tccagtctgt atgacttggg tgggtgcccg gatgcctacc gtgaggcttg catctccgca 780
 ggcatcgga tgcaccgga tgtggtcttg cgctatatcg agctccaggc gctcatgatg 840
 tccccattg cacctcactg gtcagagtac atctggctcg aaattctgaa gaagggtcgt 900
 attcagacct tataacacag ttttaatacta acctattcag cccgatacta tccatcgccg 960
 tctattccct gaggttgca agccctcacc tgaactctca gcagctacca gctatgttcg 1020
 cgcgaccgcc tccagcatcc tgtccgccga agccaacttc gtcaaaaagc tcgccaaggg 1080
 caagtctgca cacttcgacc ctgcgaagcc caagaagatt accatctttg ctgogaagaa 1140
 gttcccttca tggcaggaga agtacatcga cttgtccgt gaagcctttg acgctgtctc 1200
 cctcaccatt aacgacaagg agctaaacgc caaggtcggc aagcttggtg agatgaagaa 1260
 ggccatgccc tttgttcagg gtctcaagaa gcgtctgatc agcaccaagg aggctccgga 1320
 gatcgtcttt gagcgaaaac taccgtttga cgagttcggg gtcctcaagg agatgacggg 1380
 taacctgaag aagaccacag gagccaagga gattgagatt gttg 1424

<210> 20475
 <211> 1435
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20475

gacgacgccc ggatgtcaga tgtgaacaat tcgccaaatg tattccatga cgacccagat 60
acgatcgacg agaagttgtc gatgtactgg aaggcggcga atgaaacggt agggcctggg 120
tcactcatca gccatgagag ttgaccttat ctcttttact ccacaggtga ttagagagcc 180
gtatgactac atcgctggga tcccaggcaa agagatccgc cgaaagctct tggaggcctt 240
caaccactgg taaaaagttg acgaacagtc gtgccaggct attgcaacca ctgttggtat 300
ggcacacaat gcatccctgc tgtatgttgc atccagtctc tggctcaatc gcgttttcac 360
gagctaataa gcactccaca gcatcgacga tattcaagac agttccaagc tccgaagagg 420
tgttccatgc gcacatgaag tgtttggcat cgcccagacc attaactccg ccaactatgt 480
ctactttctg gcgcaaaacc agctgttttag actgcggacg tggccccagg caatttcggg 540
attcaacgaa gaaatgggtca atttgcaccg cggtaaggc atggagctat tctggcggga 600
taacctgctg cctccgtcca tggatgacta tctgcagatg atcgctaaca agacaggtgg 660
actgtttcgg atgatagtgc ggctgtcca gacaagcagc agacaggtca ttgacgtcga 720
gcagttggtg gatgttcttg ggctttactt tcagatcctc gacgactaca agaatatcag 780
agaagagaag gttcgtcttc gtcgaaccag atcgagaact aaagaagact gactacttcg 840
cactagatgg ccgcccagaa agggttcttc gaagacctga cggagggcaa attctcgttc 900
cccatttgcc atgcaatcgg agaagggggc aagaacagaa ctgctctgct ccatatgttg 960
aggctcaaaa cggatgacat gaagatcaag caagaagcag tctgcatact ggacaatgct 1020
ggcagtttag attacacgg agaggtgctt tacgggctgg acaggaaggc tcgcagtctg 1080
cttcgggagt tcaagactcc gaaccctttc atggaggctc ttttgatgc aatgttgagc 1140
agccttcagg catgccattg aggtttatca gactgaatat gacagtcctg cgcatttgat 1200
gagataatga cattgtttct tcttgacttt atgtatctct aagggcctgt cctaaacact 1260
acatatcttt ccgaccatat cggatcatgg actattttct agatacaagc gcagtactta 1320
tgcctatgtt taccggggac ttactcggga cacttgatcc ggttgagct gtttctgctg 1380
cccaatgcta ctgtagaaga ctgcattgca cactactacg gcgaaagggc ccagc 1435

<210> 20476
<211> 1438
<212> DNA
<213> Aspergillus nidulans

<400>

20476

tgacgccagg gttagcgtcg tttctcaagt ctctgaagac caatcccatc gatacttcta 60
ttgataatct gatcacgtgc gtcccggaatt gtccctagcg ttcgatcaat caaaactgat 120
gcagcaaaag acttctcaaa cgaagacaga tccgacactc tagatcatgc gcaactgcc 180
ctgcttacct tttgcgcagc gtcatatccg cgtgtaggac gagcgatgcc tcaaaactca 240
tcgagcgcgt gcagagcgtg ggaagacggc tgatagccgc acagcccagg gagatggtag 300
tcgggaacat tgttcggcgt gtgctagggt tgatccgtga cgaggcagag gatgacagag 360
acggggattht taccttgagc gatgcggggt ccgaaagcca accgcagaca cctcgtgctg 420
gagatggtaa gccctctctt caggccttgc tgataaagtg aggttaatgt gaatgtcgca 480
gaaccgtccg agttccatgg ctccgacaga ggtgcctcaa aacctatata ttcgctagcc 540
acccatcccg tttctatggt cagtctgctc tctcatccag aaccggaaac gtcactaccg 600
ggtacgccag caaccggctc accatccgga cgctgcccg ggcacacca gaataaggat 660
atccgcgccg aagtccctgga tggatatcaac gagatcattg atgaattggg acaggtggat 720
gatcagattg ctgcctatgc gctcgaccac attcactcta acgaaatcat cctcacacat 780
gacttcgtcg acgactgtac agaaattcct cctcaaggcc gaccgaagcg gaagtccacc 840
gtcatccatg ctgaatcata ccctaataac catgaagcaa cccatgccac tgtcagtgg 900
gctgcctcca acgacgatga gatcctcagc accgaatcgt tccaaaagcc cttgatcgct 960
cacggcatca cggtgattct catacctgac tccgctgttt tcgcccttat gtctcgtgtg 1020
aacaaggta tctcgggtac acattccgtc ctctgccaac ggcgggtctcg ttgctgcagc 1080
aggcaccgtg gtcattgccc gagcagccaa ggtgcaccaa acgccatgtg tggttgtag 1140
cgggtgtatac aagctcagcc cgggtgtacc tttcgatttc gaatctttaa tcgagtacgg 1200
cgactcaagc aaagtcattg actacgaaga tggcgacctg gtagaccaga ttgacgtgca 1260
aaatccgtta tatgattatg ttcccgcgga aattagttga cctttatata acgaacttgt 1320
gagtctctca tcaccttttt cacatggaag taactaatc ttgtcaaggg gcggacacgc 1380
gccgtcatac ttataccgta tcgtgtctga ccactaccgg aaggaggata tcagcttt 1438

<210>

20477

<211>

1441

<212> DNA
<213> Aspergillus nidulans
<400> 20477

tgtacggcga gatccccaag gatatcgatg gggatttcta ccgggtaatg cctgacccctc 60
agttgcccc cttcattgaa gacgatcccg taagaacaaa acaccatccg gcgtccgatg 120
gagaagctaa cgcattgcagt ggtttaatgg agacggcaac gtcagcgctt ttcacattca 180
tgacggtcgt gtatcgtttc ggcagcggtg tgtgcaaacc gagaagtttg tacgcgagcg 240
cgaggcccag cgcgcctgtg tgggtaggtt catcttcacc catctacagc tatttggtgc 300
taatagccgg gctaggcaag taccgcaaca gattcaccga cgcggtcgag cttaaagttc 360
gcagcacagc taacaccaat gtcgtcttct tcaacgggca gttgttggcc ctgaaggaag 420
actgcccc ctagccctg gaccctgtta cgctggacac taaagggctg tatgactttg 480
aaggccagct gccatctctc acattcacgg cgcattccga attcgatcca gccacgggcg 540
agatggtttg tttcggatac gagggcgggg gtgacggtac accagacgtg tgctattaca 600
gcgtctcgcc gactggaaag ttcacggagg tcgtttggct ggtcgcgcca gtcgtggcta 660
tgattcatga tttcgcggtc actgacaact gggatatgtat atctagtccc cgactagggt 720
tgcgctcgacg cttacgctgc tgacagggtta tcttcccat catacccaa gtatgcgacc 780
ttgaacgaat gaagcagggg ggcgagcact ggcaatggag cccagagacc ccgttctact 840
tggggtgtcat gccgcgtcga ggcgccaaag ccgaagaagt caaggtacgg ctgcatctgc 900
cgccttttta caagctccag ttgaaataat ccatcacagt ggtttcgata tatgaattct 960
tttctggcc atactgcaa tgccatgag aacgagcaag ggcacctagt catcgacctg 1020
ggctaaagc agaagaacgt cttcttctgg tggcccgacg cacaaggga cgccccgaa 1080
cccagctcga ttgtctctca gtcgtccga ttcaccatcg accctcagac cgaggacctc 1140
actcttcgtg agcctgaagt cctgcaggag ggcaactcgg agttctacag gatcgacgat 1200
cggttcgcca ctgcacctta tcgacactgc tactttgacc tgatggaccc ccagctgggt 1260
actgattttg agcgcacggg taccaaaatt ggcgggggat ttcccttata caactcactg 1320
gccacctgg accataccac aggacaggtg gaggtgtact cccagggaga accacctgg 1380
ttcaggagcc cgtcttcata ccgcggaaga actcgagtac tgagggagac ggcattgtctg 1440
c 1441

<210> 20478
 <211> 1445
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20478

```

gggactgctg ctccccctca tatcgaccgt ctcagcagcg gacgtcgatg cctggaaatc 60
tcgcaacatc tacttcgccc tgacggatcg tgttgctcgt gggagcgacg atacaggtgg 120
tgatgcctgc gatgatctca gcacctactg cggcggaact ttcaaagggg tagagggcaa 180
gctcgactac atcaagggaa tgggctttga tgcgatctgg atcactcccg ttgttgctag 240
tcagttcaaa cgccacaga ctatttatat gtggcattac caaactgacc acgtctatag 300
atcatgacgg cgggtatcac ggatactggg caaaggatct gtacagcatc aacgagaact 360
atggcaccgc ggacgatctc aaaagcctag tcagtgtgc tcatgaaaag gtacttacc 420
gcagttggtg ttttattcga gtgcaatata ctcaagaacc atgttttgaa tagggcatat 480
atattatggc agacgtggtc gctaaccaca tgggaagccc catcagcgac aaccaacctg 540
agtctctgag ccaggagagc gcataccatt ccgcttgtag gatcgactac tcaagtcagg 600
agagcataga aacctgccgc atcgcatatg atctgcccga tgtcaatacg gagagcgagg 660
agatccgcac tctcttcaag gaatggatca cctggctcgt gaaagaatac gaatttgacg 720
gcctgcgcat cgataccgtc aagcatgtcg agaaggactt ctggtccgac ttctcgccg 780
ctgctggggg ctacaccatt ggcgaagttt tcgacggcga cccagattac ctcgccggat 840
acgcaaacac catggacggg ctgcttaact acgcagtcta ctaccccggtg aacaacttct 900
accagcaggc cgttcttgca caggatatcg tcgacatgca tgacaagatc gatagctcct 960
tccccgatcc aagcgccctc ggcacattca tagacaacca cgacaatgca cgctggctga 1020
gtaataagga cgacaagtct ctctgaaga acgcactcgc ctatgtgatt ctcgccaggg 1080
gaattcccat cgtctactac gggacagaac agggctacgc ggggtggcaat gatcccaga 1140
accgcaaga cctctggcgc agcaacttcg ataccgatgc cgacctgtac aaggcaatct 1200
ccctactctc agcagcccga tcagctgctg gcgggctcgg ggacaatgac catgtccatc 1260
tgcacgttgc ggaatcgga tatgcgtgga gcagagcaga gggaaaactc gttgttgtca 1320
cgtccaacag tggatctggg tccgagaatg agatctgctt cgactccaag acgccaacg 1380

```

ggtcctggga gaacatcttc ggagaggga ctatcagcgc cgatgacagc ggacagatct 1440
gtgtc 1445

<210> 20479
<211> 1451
<212> DNA
<213> Aspergillus nidulans

<400> 20479

gtctgcacgc aatccggcac gatcttcgac ttgaccagca tccttccttg gattaagaag 60
catgggacaa accctgttga cggaacaccg ttgaagggtct ctgacttaat caagctaacg 120
attgcgaaga acgatgccgg cgagtatatt gatcccgtta cgtacaaggt tctcacggac 180
aacacgcatg tagttgcgct gcgaaatagc gggaatgtct ttgcgtggga tacaattgaa 240
cggctgaata ttaaaggaaa gatgtggcga gatcttgtct cggacgagga attcacgcgc 300
aaggatatta ttacgctgca ggatccgcag aatatcgagt cgagggattt gagtcggttt 360
aatcatatca aggagggaga gaggggatta tcggatgagc agctgagaga gagagaggat 420
ccgtcgagga atgtaaatgt caatgctctg gggagctcgg cgaagatcct caaagcgagg 480
gaggcggttg ctaaagcgcg gcaagaaagg gctcagaagg ctgggaatgc agcttctact 540
ccagtggcta agaccgatgc gccggtgaag tcagcacaga agaccgcttc gtatcaatct 600
ggtaaacctg tgccttataa tgccgcgaga tacacgactg gcttggcggc tgcattcattt 660
acaagcacag gaatgacgcc acacacctcg gctgaacttg ccttactttc ggatgaggac 720
tacatgttga agagaggtcg ggtaaagcaa aagggtctacg ctgggatatc gaccacatcc 780
ggcgacatca acctggaatt acacacggag tatgcgcca aggccgtctg gaactttatc 840
aagctcgcaa agaagggata ctacaaggac gtgacatttc accgcaatat caaaggtttt 900
atgattcaag gaggggacct tacgggcact ggccgcggcg gtgagagcat ctggggcaag 960
tacttcaacg acgagttcga gggccctcta aagcatgatt cacgggggac actaagcatg 1020
gcgaataaag gcaagaatac gaacagcagc cagttgtaag ttctgacgct acgtcctttc 1080
cattgagaag ttactctcat actgactgaa tcagcttcat cgcctaccgc gccctccctc 1140
acctcaacct caaacacaca atattcggcc acgtaatcga cgatccaacc cctcctcgc 1200
caaccctcaa caagctcgaa actcaccctg tcaaccaac aaccaacaga ccaactccag 1260

acatccgcat cgtcgacgtc acaatattcg tcgacccatt tgaagaattc ctcaaacaga 1320
 agaaacaatc cgaacagtca gccgagaatg aggcaaatac aacagctgaa aatgacgagg 1380
 aaggttctcg ccgcgctgaa gatgaccaga ttacttggac tggaaagcga gttcgaggtc 1440
 ctggtgcgag c 1451

<210> 20480
 <211> 1459
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20480

ccgcttgagg catcacacat gggctcttatt tacgttaatc cagaaggacc caacaagaac 60
 cccgaccggg ttctcgggc caaggatatc cgcacacact ttggtcgaat ggccatgaat 120
 gatgaggaga ctgttgccct gattgctggg ggacacacgt tcggaaagac gcacggcgcg 180
 ggccctgcaa cccatctcgg caaagaacca catggtgagg gtattgagtt acaaggccta 240
 ggctgggaga gcggcttcga gtctgggacc gggcgacatg ctatcaccag cggctctggag 300
 gtgatctgga ccaagacccc taccaagtgg agcaaccagt tctttgagta cctgttcaag 360
 tacgactggg agctcaccaa gagtcctgct ggtgcccacc agtatgtggc aaaggaggatc 420
 gagcccttca tcccgatcc gtctgacccc agcattaagc acccgcccag gatgctgaca 480
 actgacctgt cactccgcta cgatccggag tacgagaaga tctcgcgctg tttcctcgag 540
 aaccgggacc agtttgctga tgcgtttgca cgcgcctggg tcaagcttac tcaccgtgat 600
 gtcggtcctc gagtcctcta ccaggggcca gaagtacat ctgaggtcct catttggcag 660
 gaccctgtgc cgccactgga ccaccccgtc atcgacaatg atgacatgc cactttgaag 720
 aaggcaatcc taaacagcgg gataagccat actgatctct tttccaccgc ttgggcctca 780
 gcttcgacct tccgtggaag tgacaagcgc ggtggcgcca atggtgctcg catccgtctg 840
 agcccgcaaa agaactggaa ggttaacagc cagccgtggc tgagcgaatc cctggcagca 900
 cttgaaaaga ttcagaagca gttcaacgac gcacagtcca ccgacaagcg cgtctccttg 960
 gccgatttga tcgtgcttgc cggagctgct tctctggaga aggctgcccg cgatgctggc 1020
 cacaatgtct ccgtctcctt cacaccggg agaacagatg ctaccagga gcagaccgat 1080
 gtggactcgt ttaacaacct ggagcccatt gccgatggct tccgcaatta cggccgagga 1140

acgcctcgtg tgctcaccga ggacttcctc attgacaagg cgcagctgct caacctctct 1200
 cctccagagc tcaccgtcct tatcggcggg ctgctgtgtgc tgaacaacaa ctacgaccgt 1260
 tgcaacctcg gtgtcttcac caaacgcccc ggccaactca ccaacgactt cttcgtcaac 1320
 ctactggaca tgggtgttca gtggaagccg gcagatgaca ccaacgaaat attcattggc 1380
 agcgaccgta agactggcca ggcaagatgg aaggcttctc gggcggatct cgtgtttggg 1440
 tctcacgctg aactgcgtg 1459

<210> 20481
 <211> 1460
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20481

ctgctccccg ccgacttcaa gccgcctcag gtcttcaaaa atgtgaattt ggtccgtaat 60
 acgaacctag aaaaacgtac gcccgcgaaa caatcaatgt agtgattgag aacgtggata 120
 aacaacccca gacgagtagc tatctgtcct tcccgtcggg catcttcgaa cagatcggag 180
 gactagaggt ccgcaataaa aaggaagcag acaaaggcag gtttgatgtg gaagctagcg 240
 aggtcgatcc attcaggtaa gtctcttgtc gcagtcaacg gtcaatgtag ccagcgaatg 300
 gtttcggact aacctgcgct gcttagtgat gttcgatact tcattgtaca cctgcctgaa 360
 cctctggctc cttcgtcgca gcttaccctt ggaatttcgt actctctcct caactccctc 420
 caccgcgccc cggctgccat taagcagtca gatcgccagt tcctcacata ctattctctc 480
 gcatacgtgc catccgccta tcagaccgtg acgcagaaaa cgaaagtcaa gtttccaagc 540
 gcaaatatcc ctgactacac aaccacggaa ctcaagtctg gtgcagaccc cgaacgccag 600
 ggtacaacct atatttacgg accttacgag actgccaatg tcgcaccagg cacctcatat 660
 cccatcacgg tccgctacga gttcacgaaa cccgtcatca cagtatcact gttggaaagg 720
 gacctggagg tctcccaactg gggcggtaac ttggctacgg aggagcgcta ctgcttgcgc 780
 aacaatggct ccaagctgct gaccagttc tcccgcgtgg actacaccgt cgccaactac 840
 cagcaatccc cgtctacagc catcaaagag ctcaagtatc ccctgaagcc aggttcagtg 900
 gaccatact ttaccgatga tattggaaat gtctctacga gccgctaccg ccccgactg 960
 aagaaccggg aagccaatct cgagttcaaa ccccggtatc ccgtcttcgg cggctggaac 1020

tacagtttcc gccttggtg gaacaacaac ctctcatcat ttttacgtag gacagtatct 1080
aatgatgatt cctacgtgct caaggttcca ttccttgaag gacccaaaat ggggtgaagg 1140
atccagtacg agaaggtagt tgtgcgagtc atccttcctg aaggcgcccg gaatgtgctc 1200
tacgagattg ttgaagggcc tactagcaat ggcttgccga gcgcaagcca gatccaatcc 1260
tcctatcta ctcataaaac cttcatggat acgcttgccc gcaccgcttt aactctaact 1320
gtggagagtc tcaccgatga agcccgatg tccagcttg tggttaagttt gccagtggcc 1380
gcctcgcata tataacaacag tcactcactt ggaactaggt tacctatgac tacgctttct 1440
gggatggaat gcgtaagcca 1460

<210> 20482
<211> 1461
<212> DNA
<213> Aspergillus nidulans
<400> 20482

ctgggtgggc tacgctgggt aagtactgtt tttattatct tctctcctgc aattgttgcg 60
agaccctgga aacaccaacc ggtgatttat gcgatatgtg acatccgttc atgttattat 120
ccaaggttct atgcaaagaa tccgcgtcaa caactacctg tgagcatatt tgtcaatgct 180
gtgcaatagc tggatgattc catagcgcgc atgagcaact catgaacttg ttgagggcac 240
aagtctttgt aaatggtttg gctgggtggg ggttcttagg atttgtctct cactagcatt 300
gtctacggca tcggctttga gatatgcttc ttagtgctgc tcaggctatt cttcataata 360
aaagtggtyg cttgagagac gaagtatatt ggtacgatca tacagaggct tggccccgtc 420
caactcatcg ttacctacaa gatgagtttt ccgccgttga gcccggtaga ccacaagtcg 480
atatgaaatg tgtaaagagc tcatgatatc agcttagatt ttgcgaacat gggctctggac 540
caagatgatc tatatgccgc cgctggccat gctatcaagg attagtcttc agcacatcag 600
tcacgtcgtg ttatagcagc aatcaggaca gcagaatcac cccctcccc agcccaacag 660
gcacgttaca taaaccaca gaaacctcat gagttatgct cagtcttttag ttcaacaatg 720
tatctccatt gcagagttat ggtcaccacg ttcagcttgc ttgcatatgt gcatggagtc 780
tgtgccatgc taacaacaag ataaacagtt gcctcccttg tctgccttt tgcccatgct 840
ttgcgcccac gaaaacatta tctccaccgc catatgatca tattcctcgc tctcggtccc 900

cttttcatca ttctcacaat ctctacgaa gggctcttct acttcgccat tgcttttacc 960
 ctcttcagct ggggtccaact cgaacagagg atccatcaac attctaggat ccatcaacat 1020
 tctaagaacc acagtatccg caatatcatt tctaacgaac cttgtcaacc gggcaacgct 1080
 aggaatgccg tagctaata ga ttgcgcccc aacaccgaag agggccggaa agaggagatc 1140
 cagcaccgct tgcaacatcc gccaaaggcag cgaacagag aggaaaggct gccttagaga 1200
 gaaacatata gaaatctcat cctgtcgga gtttagagtct gtctgttctt ccttttctg 1260
 ctgcacttcg cctttctcag caccgaaaac atcgctcgg tctccccatt ctgcctagac 1320
 gctgtctacc ggctactttc tataatcgat tccttcagcc aggcggctct tcttatctc 1380
 aagattctgg cccactcgc actggtttct gccaaccttg gatttctaac caaaagactg 1440
 aacattcaag gcgggagtct g 1461

<210> 20483
 <211> 1463
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 20483

caagacaaa taataacacg caccagacca gtctacaaa caaaatgacg gcagcaacga 60
 agccgatacg tctcgccgc ctgcgccag tctgtacac acatgcagac ctacggcag 120
 cctcccggtt cctcatagat ttgggttcc aggagctgac ccaaaccgtc tcgccgagca 180
 ccggccagag aacaatctac taccgggca ccaccacca gcagcccttc gtctactgcg 240
 cgcgtaagg gcccgaggac gcctttggcg cgccancgtt tgtggtcgaa tcacgagaag 300
 accttgacta tgcggcccag acgctaccgg ggtcggagg gattgtcgat ctggaagcag 360
 aaggtgttcc tggaggcgga ctctccctca cattccacga cccggttgat gggtttctt 420
 tccatctggt ctggggacag cgaggacgag aagagcacgg ggagaatcag gggggaaacg 480
 gcttgccggt gttgcagtat aattttgtac gtgtctcaa tctcatacct ctcttatctg 540
 ccattcatcg ctgcgtctgg tcgacagagg caggactgac aggatgcagc ctacagagaa 600
 gcaccgaccg ggaaatagca ctgagaggtt caaaccgggt acttactccc tggcatcgcg 660
 gcatcgcggc atcgctact gtatacat taaactgcaa tcaggcccag ctcccgcca 720

caaactcggc cactttggca tgtgcgtgac ggattttgcg cgcgcctacg agttctatac 780
 cactcgggtc aacttcaagg ctagtgatgt aagtggcaca tctgaaatgt gttttatatac 840
 actcactggg tgtgagaaat acgtgcatat gtgcaaaactg acaaactata tatgaaataa 900
 cagctcatcc atgatgaagc cggtaacgat gtgaccgctg tctgcactt gagccgtggc 960
 cgcgagctcg tagatcacca ctgcttcttc attttcgaag ggcccaagtg gcatgtgcat 1020
 cattcgatc ttgaaacaca tgattttgat acccagttgc tgggccatca ttggttgaga 1080
 gagaagggat acacgaattg ctggggagtg gggaggcata tcatgggaag tcagatatatt 1140
 gattactggt cagtacactc tttccctact tatcgtaata aggaattct tctagatatt 1200
 agaggtatga gccgacaaac tgaccgatct tgtgccaggt ttgatccgtc acgatttatt 1260
 ctggagcatt atgtggatgg ggatttggtg gatgagacgt accctactca tcgtcactc 1320
 gcttcgccgg ataatttgca tgtttggggg gagtcccttt attttcatgc ccatacgaga 1380
 tactggctct ggtgctgatt tgtgtttcta gggcctgatc tgccagaggg ttttctagct 1440
 tgaagcgct tagctaaacc gca 1463

<210> 20484
 <211> 1470
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20484

cggagctggg tccacacca aaggcatccg gaacatccaa agccctcgaa gagatcgctg 60
 tcattcgcgg cacatacaag gacttcacca cctatgcgca ggtcatcgag cgcggcctcc 120
 cgcttctctc aaacactctc cccgagcgtg agagccagtt acagaccgaa gatgtctgca 180
 atcttcagtt cacgagtggc tcaacgggga acccaaaggc cgccatgttg acgcatcagt 240
 atgtgcccga tcatcaacca cccccggacc ccaaaccxaa tggaaggtaa ctgacttggtg 300
 cgtccagcaa cctagtaaac aactcgcgct tcatcggcga tcgcatgaac ctcacctcct 360
 tcgacatcct ctgctgcccg cctcctctct tccactgctt cggcctgggtc ctcggcacgc 420
 tggccgtcgt aacgcacggg tccaagatca tcttcccag cgagaccttt gacccctcog 480
 caacattgca cgccatttcc gacgagaaat gcacagccct gcacggcggt cccaccatgt 540
 ttgaggcgat tctctcgttc gataaaccgc ccaacttcga ctgctccaat ctccgcacgg 600

gtatcatcgc cggcgcaccc gtgccgcgac ctctcatgaa acgcctgttc gaggagctga 660
 atatgagaca gtataccagc agctacggta tttctcccg tcatcttaaa cegtacaaag 720
 cccgactgat caattgtaca ggccaaacag aagcatcgcc cacctgcttc aacgccctta 780
 caacagacag cattgaaacg cgccttcaga cagtcggaaa ggcatgccg cacgctaaag 840
 ccaaaatcat cgatgcgaac ggcgccattg tccccgtcgg caccgcggc gagctttgca 900
 tggccggcta ccaattgacg aagggatact ggaataaccc agagaagacc gccgagacac 960
 tggtcacgga cgaagagggg acggtctggc tcaagacggg cgatgaggcg gttttcactc 1020
 ccgagggata ctgtactata acggggcggt tcaaggatat catcattcgg ggtatgcact 1080
 cctccccctc ctctcccatc atccccacc caaaccttgt attcagggga taatgctgac 1140
 gatggtcgtg tctaggcggt gaaaacatct acccgcttga aatcgaagag cggtcacgg 1200
 cgcacccctc tatttcctt tcatctgtga ttgggatcca ggattcaaaa tacggcgagg 1260
 tcgtgggcgc attcatcgcc ctgcgaggg gcgctaagag gccgtctgac gatgagctac 1320
 gggcgtggac gcgcgagacc ctggggaggc ataaggcgcc tcagcatgtg ttcgtgtttg 1380
 gggaggaggg tgtcgacgcc acggttcccg tgacggggag cgggaaagtc agaaaggtgg 1440
 atctgaggaa gattgcggcg gtggttttgg 1470

<210> 20485
 <211> 1471
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20485

tcgttgcgac gcaatcgtct gatagatccg tccacattta cagcttgaaa acgaaggatg 60
 ggcaattcac cctcacctca catgggaagt tectcaagat ggatttaccg gccagacgga 120
 tttcgcgcag cagccctgct cctttagatc tctcggttcg atctcaacca gccactagca 180
 actccgtagc tgttgccctc cctgctcctt cgactccagg aacaccgatg acctcgcatc 240
 tgcccatgga tcccccgcca gtgtcgcata gtcgccgttc ctccctcagc tectcaccaa 300
 acatccgccg ttccgcatcg ccagcgccgt cctaccctt gcctgccgtc agaccttag 360
 aagtgacgtc tccgggccta ggtgggctcg gtgtcaggaa cgcgaacatt tatgctaacg 420
 aaacatttac gtctttcttc cgacggctga ctttcacccc tgatggaagt ctgctgctca 480

cacctgcggg acagtataaa acgtcgcaag tttcatcgac agatccggga aagacagttg 540
 acgaagttat caacacagtc tacatatata cgcgggcagg gtttaacaga cccccaattt 600
 ctcatcttcc aggccacaaa aaaccgtctg tagcggtaaa atgttcacca attctctata 660
 ctcttcgaga ggcacctgag cttccaagc atattacctt aggtactacg tctgcggagg 720
 atgcatcggc tactagtact ggcgaagagt ctaagaacaa tatcacccgt aaacccttcg 780
 agtcccctac tgccaatcag cttccacctc ctgttttctc cctgccttat cgggtagttt 840
 acgcagtagc taccaggat gccgttttgg tctacgacac ccagcagcaa gcaccactct 900
 gcgtggtgag caacctgcat tttgctacat tcacggattt ggcttggtaa gtaacctgaa 960
 aaagtctgaa ggatgttcta acgatattta ggtcgaatga tggattaacg ttaatcatga 1020
 gttcctctga cggcttttgc tctacgtctt ctttcgcgcc gggatgaacta ggtcaaccat 1080
 acacagcacc actatccgcg ccacagacga ctggtacggg accaacgtca gcgctcatal 1140
 gccacaggac ccgacgaagc cggctcacct tcaacacagt ccgccgcacc tgcaagccct 1200
 gcgcgatcga actcagtatc atctatcgcg acgcagcgcg cctctcaaca ggcggagacc 1260
 gttgtcaaca atcctacacc aactcttggg tctgtgccgc tagtcaactgc gacgcactct 1320
 gcccaaccac cagctacctt gccgcttacc acacctcctg aaaccccggt gtctcagagc 1380
 gaagcgagca acgctggtag tactgtttta gggaagcgga gtgagtccga aaaggaagag 1440
 agtcaagggt tgacccaac agagcaggcg c 1471

<210> 20486
 <211> 1480
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20486

ggggccattg cattgccatt atgcttaata ccggtaggaa ttcacctgtc aagaaggccg 60
 agattctgtc ctaacagagg gttttaagca tggctctctc aaggaaacta tctctatacc 120
 gttctaattg tttcttttga tgagagtaac ctacgcgcaa ctggaatctc gtctttgtat 180
 aggtactcag tccccacgag cacagccaac ctggcctcgt cgttctgcgt tttattgttt 240
 aaaacttcct ttttatgttt ttattttgct gtgatgagct gacactcgcg tgattagctt 300
 tgcctcagtc ataacgggct gcacccctcg ggcaatcgct ataaagatcc gacgtctgaa 360

acccttcatt gttgccggaa cgtttctttt cacagttgcc tttggaatcc tctatcgctt 420
 tcgggggaggc cccagcgggg atagttacgc cgggattgtg gccggggagg tggttctagg 480
 gattggtgag cccatgactt gccctaaacc ttacgttctc tcaccagttg atcgactatt 540
 actaatgtac gtcaagcggg cggaatgttt ccctaccag ctcaagcaag tatccagacg 600
 gcgacaaagc acgagcgtaa ggattcaaag actccaacca tctgactata ctaacccaat 660
 cccagacctc gcaatagtaa cgcacctctt cctctcctcg tacaacatcg gctccgcact 720
 cggcggttct atatctggtg cgatctggtc gcaaaccctc ctccccaacc ttactcgcca 780
 gctcggcggg aactctacgc ttgcatcgca ggtgtacgcc gacccgttcg cgttcgact 840
 gagcaaccca gttggaacac cagatcgcca tgccgttatt gccgcgtata tggataccca 900
 gcggctgctt tgcattacgg ggctttgctt gacagtgcc cttattggat ttgctctttg 960
 tatccgcaac ccgcggttga acgagaagca gagcttgag gatgcggaga aggattagac 1020
 ttgatgtgtt gaaatatgac gtgaaggac ccatacagaac cttgcaagg aaagccgaca 1080
 tagatggctt ctagaagcca accatggcag tcaggcctca gcgcttttcc catattgtga 1140
 taggtatata cttacaataa gcccataatc catgcggcca tccatgagag cagtactggc 1200
 cattttcatt ctccacgtgt gaagctattg ttatatctca gtacatagcc ggctgggcag 1260
 ggctagccac cgatggtcac atgatatggc aggcattgtg aacgttctac aggaaatttc 1320
 tctcgccggc tgcttttcgc aggctgggac gccgcagtgt tcttaagagg aagagaatga 1380
 tctcagcatt gaaaccgccg attggaaaga taacgtagaa atgagtctga aatttagaga 1440
 cgttcgaaat cttcatcata aaaggactta tcgccaattc 1480

<210> 20487
 <211> 1480
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20487

acagcgggac gccaggaacc aactattaac accaatatcc acgtcaatat gcatgtgctt 60
 gatgatgaca acctgtccag ccagccggcc gttcatggcc accagtccgg caccaaaaag 120
 gctgcagcgt cagccactgt gactgcggtg tctgagcctt actgtgttac aagcaccat 180
 gggaaagtct tcatcatcag tctgacgagc atcgccatgg ttatcaccat gattgcaacg 240

aacatcgtgc tccccgtcct gcccatcctg caagctgagt acggcgtgac cacgacgcag 300
 atgaacctgc tcgtcaccgt cttctcgctc gtccagggca tcacgccagc gctgatgtcc 360
 tcgctttctg atctccaagg acgccgcata gcgtggatgt tcacgctcgc gctctatacg 420
 gtggccaaca tcgggctcgc ggcccaggac agctacatag cctcatcgt cctccgatgc 480
 ttacagagtc tgggcagcag ctgcgccatt ccattcggat tcgctgttgc agcggatata 540
 tcgtctcccg cggaagagg ccgatatatt ggtccgttac aggggagtgt tatgggcgcg 600
 tttgcatttg gtccggtgat cgggggcctt ttggcgccga gttttgggtg gaggagcata 660
 ttttggttcc tggccatcgg cagcggtgcg gctctgcttg cgtacatctt tatcatcccc 720
 gagactgctc gcagtatcgt tgggaatggc tctatcgagc cagcaggctg gtggaggcgg 780
 actgtggtgc agaacatcca gcgatctttg caacgcgggtt cggattacaa gcgctcaggc 840
 acacagcacg gccgctcacg gcctcgccgc agagacgcat tgggtgctgcg gaggtactaa 900
 gggcattcac catccttget gaaaaggacg ccttgatcct cgtcgtattc accagtctat 960
 tctactcggg cgtcacagcc atgtgggcaa ccaccgggag ttattatagc agtctgtacg 1020
 gccttgatac gctatcggtc gggtttctcat atctgtaagc aaccctcgc tcatttctga 1080
 gaaaataaat agaacattgc tgacggcatt gccctaatag cccttacgga attgccgggt 1140
 gcattgggtc aataattggc ggaaggctgc tcgatatcaa ctaccgcagg atccagagac 1200
 atcaggccca ggcactaaag gatgccgacg tacataaacc ggcagacgcc gactttccgt 1260
 acgaagttgc caggctccaa gtcgcagcgc cttttgcgct cctggcttcc ttgtcgctaa 1320
 tcacatacgg ctggatcgtc caaaccgcgc agtctcttgc ggccgcattg gcaactgcagg 1380
 ggctcatcgg tctgagcggc actcccctgc tgggaatcat atacacgctc ctcatcgatc 1440
 tctatccaac tcaggctgtg gcaacacagg gagcggctga 1480

<210> 20488
 <211> 1481
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20488

ggaacgggtg tcgcgggtaa agaagacgtt cctggagcac aagactcgag acgtcgaatt 60
 ccggcttgtc cagcttcgga agctttactg ggcgtagatt ctctgaaatt ccccggttgt 120

atcatgcaat tgtgactgac cctgccggtg gcatcaagga ccacgagcaa cagatcgctg 180
 aagccctccg gagcgacctg ggaaaaccgc agttcgaaac agaagtcagt gaaagcgtct 240
 ggttgaaaaa tgacattggt ttcattctga agaattctca caaatgggtc aaggatgaga 300
 aggccgatga tatcgacctt acattcaaatt ttatgaaccc gaagatccgg aaggatccgc 360
 tgggtaccgt tctagttatt ggggtgcgata taccgccggc atcgtgtagt cctgggtctaa 420
 cagacagaca gtgcctttta cttccccctt cagttgactc ttggaccggt tctcgggtgcg 480
 atcgtgctg gaaacactgt ggtgatcaaa cctagtgaga atgcgccaaa gagcgccggt 540
 gtaatgcaac agatcggtga ggctgcactt gaccgcctct gctacaccat cgtccaggga 600
 gctattcctg aaactcaggc ttactttgca gaacgatggg ataagatttt cttcactggc 660
 ggtgacgactg ttggacgcat catcgccaag gcagctgccc cccatttgac tcccgttgtg 720
 ctggagttgg gtggcatcaa cccggctata atctccaagt ccgcaaacc tagactagtc 780
 gccgcgagac tactttgggg taagcttatg aatgcaggcc aggtctgcac ttctcaaaac 840
 tacctcctgg ttgacaggag cctcgtcccg gctgtggtcg aagagttcaa gaaggcatac 900
 aaggaattct atcctaacgg agccaaggcg tctccggtt atgctcgaat cgtcaacgaa 960
 ggtgccttcc gtcgtttgaa ggggatgatc gataactccc agggcaagat cctcatgggc 1020
 ggcactatgg acgagaagga cctctttatt gaaccacgc tcgtccaggt cgaatcccc 1080
 gacgattcca tgctcgtgca ggagagcttc ggccccctga tccctattct tcccgtcgat 1140
 aacattgacg aggccatcaa catcgcaaac agcattcaaa gcacccctct cgggctctac 1200
 cccttcgggt cgaaagccga caccgaaaag agtacgtccc ctacaattgc cgttaaagta 1260
 aactaccaag ctaactattc ccagttctct cgcagaccgc ctccggcggt gtttccgtca 1320
 atgacgccgc cctacacatt cccaccctcc ctttggagg cgtgggagaa acggtctatg 1380
 gcgcgtaccg tggccgtgcg agctttgacg tcttcgtgca ccgccgcccc atcacgagta 1440
 gtacgggctg gctcgagtct atcctggcga tccgtaccc a 1481

<210> 20489
 <211> 1483
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20489

tcttctcggg caacgacata ttcttcctg taatattcat gggatcatca tggcggggg 60
gattttcacc ggcggaacc ctaccttgt cgctagagag cttgcctacc agttgcagga 120
tagcggggcg atttatctcc tctgtgcaga agatagtcta gacactggta ttgaggcttc 180
gaagattgcg gggttggata tggacaaggt gtttgtgttc aacaatgcac tttatgatgg 240
aaagggggag gggatgaaag ggtgtcgata ttggggggag ctgggtgccca gcgttgagga 300
gggggcagga tttgcgtggg aggagctgga cacaccggag aaagctaaca ccacgcttgc 360
gctgaattac agtagtggga cgacggggag gccgaagggg gttgagatct cgcacaagaa 420
ttatgtctcg aacatgttgc agtacaacca ctttttttac ctgaacccga actggagggga 480
gaaggcgaaa cgggcaagat ggctatgctt cctgccgatg taccatgcaa tggcgcagaa 540
catcttcatt gcagccgcac tcaaccgggg agtgccctgtg tacgtgatgc cgaaattcga 600
tttcattaag atgctggagt atacggaaaa atttcgcata tcggactata ttctgggtccc 660
tccggtggtg gttgactgg cgaagcacc tgctgtgaag agcgggaagt acgatttgag 720
cagtgtggaa gatattggta gcggacgtgc gccgttgggt cgagaagtct gcgaagaggt 780
cgaagcctta tggccacctg ggaaaatcaa tatcaagcaa ggctggggaa tgacagagta 840
agtgaccttg tcttttgagc attgccggta tggttatatg ccagcccact aaccgattct 900
gctttggcag ggccacatgc tccatcctcg gctggagtcc catggagaaa tgccgttacg 960
gcatcagttg gagagctcaa tcccaactgc gaacgaaaga ttgtcgccga cgacggggta 1020
acggaattag gcaagaatca gcgcggagag ttgttggttc gcggcccgaa tgtcatgaaa 1080
ggatactggc ggaacccgca agcaactaag gagaccctga cagaggacgg atgggttgagg 1140
acgggagata tcgcctttgt cagtaatgaa gggtggttcc atgttggtga ccgaaagaag 1200
gtatgtcccg atccaattgt tcctagctga actgatgaat cgtgcctgga ctgaccatac 1260
gcactgtaca ggaactcatc aaagtgaaag gcaaccaagt cgcacctgca gagctagaag 1320
ccatcctact cgaacatcca gccgttgccg atgcggctgt catcgggtgtg ccaaagtatg 1380
acgaagatca tgttgagaag atatgtcaag acgtaacgca ggattagggga cgaagatgag 1440
gccccgcgag cgtatattgc cctgaagcca gggaagaatg cca 1483

<210> 20490
<211> 1489
<212> DNA

<213> Aspergillus nidulans

<400> 20490

tcgcctgtcc gtccaacagc cggtcgttta accattctcg atcattacga tcaacggggg 60
ctcagtcccc cgtcccatcc ccacgcgact cctcgaatcc cgcgctgtcc ttccttgcc 120
tcgacgcccc ggaggccaag tccgctcttc tttccgcgcg atctcttggt tcaggccctg 180
aacctccta taccgccggc caccacgaac gattccattc cgacgaaccg ctgctccttg 240
attggggcgg tttgcttcca gaatttgata tcgcatatga gacatggggc cagctgaacg 300
agaagaagga taatgtcatt ctgctgcata ccggtctgtc tgcattctagc catgcgcaca 360
gcaccgaagc gaaccogaag cccggctggg gggagaaatt cataggctct gggaagacgc 420
tagatacgga caagtacttt gtgatctgca ccaatgtcct tggagggtgc tacggtagca 480
cggggccctc gacggtggac ccgtcggatg ggaagaagta tgctacgcgg tttcccatcc 540
tgacaattga agatatgggt cgagcgcagt tccgcctttt ggaccatctt ggggttcgga 600
aactctacgc gtccgtcggc tccagcatgg gtggtatgca gagtcttgca gccggtgttc 660
tgttcccaga gcgagtgggc aagattgtgt cgattagcgg ttgtgctcga agccatccgt 720
acagcattgc tatgcgcat acccagcggc aggtgttgat gatggatcca aattgggctc 780
gaggtttcta ctacgattcg atcccacctc attcaggcat gaagctcgct cgcgagattg 840
ccaccgtcac gtaccgcagc ggaccagaat gggagaaacg ctttggtcgg aaacgggctg 900
atccgagcaa acagcctgcg ctttgccccg actttctcat cgagacgtat ctcgaccacg 960
ccggtgaaaa attctgcttg gaatacgatg ccaacagcct gctctacatc tccaaggcga 1020
tggtatctgt tgacctaggg ttgactcagc aactcgcgac gaagaagcag agggcggagg 1080
cccaggcgaa gattagcagc ggaacaaaca ctgtcaatga tgcgtcgtgc agccttacac 1140
ttcctgaaca gccataccag gagcagccat ctgcctcgac atccgccgag cagtctgctt 1200
ccgcttcaga gaccgggtcg gctccgaacg atcttggtgc cgggcttgcg ccgctgaaag 1260
accatcaggt gctggtaatc ggagtcgcaa gcgacattct cttcccggcg tggcaacagc 1320
gcgagatcgc ggagactctg attcaagcag ggaacaaga cgtggagcat attgagctgg 1380
gcaacgacgt gtctctcttt ggtcatgaca cattcctcct tgatgtcaag aacgtcggag 1440
gcgcagttcg caagttcctg gactagtcgg ctgcacata atgtacaat 1489

<210> 20491
 <211> 1491
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20491

```

caccctccg gggtcgatct actggggtga caatctagca gccgcgattg cagacgggtc 60
tgtccctcaa gagagactcg acgatatggt tacgcgaatc cttgctgctt ggtacctgtg 120
cggccaagac cagggccatc cgcccgttgc atttagtagc tgggatgggtg gcgcggcaag 180
tgtgaatgtc acaacgccgg agcacgggga actcgcgcgg actatcgccc gggattcgat 240
cgtgttgctg aagaacacga atggctcctt accgctggcg aagccggcta gtcttgcggt 300
catcgatca gatgcgattg tcaaccaga tggagcgaat gcctgcgcag atcgaggatg 360
taataagggg actcttgctc aggggtgggg aagtgggaca gccgagtttc ctgtatgatc 420
tatatttcac tgggtacttt gataatgcta actgctatag tacctcgtcg ccccgctcga 480
tgcaatcgag gagaaactcg ccggagccgg gacagctatt atcaccagca cgacagatga 540
cgcgacttcc ggcgctgaag ctgccgctgc tgctgagacg gccatcgtct tcatcacctc 600
cgattctgga gaggggttcg tgctctatcg tttcccttcc tccttaagct tcttcagact 660
aatattctac aaggtacata accgtcgaag gccacgaagg tgaccgcaac aatcttgatc 720
cctggcacia tggaaatttg cttgtgcaag ctgtcgcccg cacgaacact cctaccattg 780
tcgtcctgca cagcgttggc ccctgacac tggagacgat cctcgcagag cccaacgtcg 840
tggcagtcgt ctgggccggt ctgccggg ccaggaaagcgg acatgccttg acggatgtcc 900
tcttcggtga ctacgcgcca agtgggaagt tgccgtttac tatcggaag tcggaagagg 960
attatggggc tgactggacg acaagtcagg ttgatgactt tgccggagggg ttgttcattg 1020
attaccgcca ttctgatcag tacggaatcg agccgagata tgagtttggc tttgggctat 1080
gtatgctttc cccctcaacc cacctcgtga acatctggct ggcgagtgtg gatcgagtga 1140
gctaataattt ttgtttgtgc atagcataca cgagtttcaa ctattcaacc ctctcaacgt 1200
ctatatcaac aacaccgggc ccaacaacag gcgagacgat cgtcggcggt ccgtctgacc 1260
tctttgctcc gattggaaca gtcagtgcct atgtagcgaa cacaggcat gtggccggtg 1320
cggaagtcgt gcagttgtac attggatatc ccgactccgc tccgtcaata ccaccaaagc 1380

```

agctccgtgg ttttgacaag ctgcaccttg tgcttgggtga aagcgggtatt ggcacatttg 1440
agcttacacg ccgggatatac agctactggg atgttgggct gcagaagtgg g 1491

<210> 20492
<211> 1492
<212> DNA
<213> Aspergillus nidulans
<400> 20492

ttcccactcc atgacgagga gaagaatagg gactacttgg cggattggag caagaagacg 60
tttttgtcgg aggaagattt agatcagata cggggtaaata tcggggagag tgtacgtgtc 120
ctactatcac cggctgaata gtactaatgg ttacaggtgg gcttctactt tgcgttcctg 180
caatcctact tcaaatttct gctctttccc gcagtgttcg ggttctcttg ttggttgctg 240
cttgggtcat tctctattat ctacaccgtg gttaactgcc tgtggggcgt tatcttcatt 300
gaatactgga agcggcaaga ggaggacctc agttgccgat ggcagaccaa aggcgtgtct 360
gttggttcgt ccaagcggcg ggaattcaaa cctgagagag aggtatatga ccaggttaca 420
ggcgagacaa ggggagtctt cccggcgact actcggctgc aacggcagct tctccaggtc 480
cctttcgctt tgggtggcatt ggtggctttg ggggcaatta tcgcaacttg ctctcgctatc 540
gaaatattca tctcggaagt ctacactggg ccgctgaagt catacttggg aaggaagttg 600
gttgccgatt ctatatagta tgctgatttt ttaggtcttt atcccgacta ttctgctctc 660
agctcttata ccgaccatga gtggagtgtc tgtttcgata gcaacaaaac tcaacgacta 720
cgaaaattac gaaacacaga ctgcctacga tacagcgttg acgcagaaaa tctttgttat 780
taacttcata acctcgatatt ttccgattct attaaactgcc tttgtctata tcccgtttgc 840
cagcttgata gtccctcacc tcgacgtctt ccacttgacc gttcggccgt ttgtgtcgaa 900
ggaaaaagca accactgcgc acgaaaactt cactatcaac cctgatagac tgcggaagca 960
ggatcatctac ttaccgtca ccgccaggt ggtcggtttt gcgatggaga ccattgtgcc 1020
attcttgaag cagcggttcg ctgcgaata caaggagtac aagaagaaga agtacggacg 1080
tgtaaactct ggttttagtga gcgagacgca aaaggaaaca caacactcgt acgatgacca 1140
tgaggacgag gtacaattcc tcacgcgcgt ccgcaaagag gccgacctcg atgactataa 1200
cgttaccgac gacttgcgag aaatgtgcat tcagttcggc tacttagctc tgttctcacc 1260

tgtttggcca ctggttccgg tttccttctt agtcaacaac tgggtggagc tccggtccga 1320
 cttttttaag atcatcgctg agtgcaagag acctactccc atacgcgtgg acacaattgg 1380
 accctggctg gacaccctag gctttctctc ctgggtagga agcataacaa gcgcggcgct 1440
 ggtgtacatg ttcaacacaa gcaccaacgg tccaaacggc gagcgtcagc aa 1492

<210> 20493
 <211> 1492
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20493

ttccactcc atgacgagga gaagaatagg gagtacttgg cggattggag caagaagacg 60
 tttttgtcgg aggaagattt agatcagata cggggtaa at tcggggagag tgtacgtgtc 120
 ctactatcac cggctgaatc gtactaatgg ttacaggtgg gcttctactt tgcgttctctg 180
 caatcctact tcaaatttct gctctttccc gcagtgttcg gggtctcttg ttggttgctg 240
 cttgggtcat tctctattat ctacaccgtg gtttaactgcc tgtggggcgt tatcttcatt 300
 gaatactgga agcggcaaga ggaggacctc agttgccgat ggcagaccaa aggcgtgtct 360
 gttgttcgct ccaagcggcg ggaattcaaa cctgagagag aggtatatga ccaggttaca 420
 ggcgagacaa ggggagtctt cccggcgact actcggctgc aacggcagct tctccaggtc 480
 cctttcgctt tgggtggcatt ggtggctttg ggggcaatta tcgcaacttg ctctcgtatc 540
 gaaatattca tctcggaagt ctacactggg ccgctgaagt catacttggg aaggaagttg 600
 gttgccgatt ctatatagta tgctgatttt ttaggtcttt atcccgacta ttctgctctc 660
 agctcttata ccgaccatga gtggagtgtc tgtttcgata gcaacaaaac tcaacgacta 720
 cgaaaattac gaaacacaga ctgcctacga tacagcgttg acgcagaaaa tctttgttat 780
 taacttcata acctcgtatt ttccgattct attaaactgcc tttgtctata tcccgtttgc 840
 cagcttgata gtccctcctc tcgacgtctt ccacttgacc gttcggccgt ttgtgtcgaa 900
 ggaaaaagca accactgcgc acgaaaactt cactatcaac cctgatagac tgcggaagca 960
 ggtcatctac ttaccgtca ccgcccaggt ggtcggtttt gcgatggaga ccattgtgcc 1020
 attcttgaag cagcggttcg ctgcggaata caaggagtac aagaagaaga agtacggacg 1080
 tgtaaactct ggtttagtga gcgagacgca aaaggaaaca caaactcgt acgatgacca 1140

tgaggacgag gtacaattcc tcacgcgcgt ccgcaaagag gccgacctcg atgactataa 1200
 cgttaccgac gacttgcgag aaatgtgcat tcagttcggc tacttagctc tgttctcacc 1260
 tgtttggcca ctgggtccgg tttccttcct agtcaacaac tgggtggagc tccgggtccga 1320
 cttttttaag atcatcgctc agtgcaagag acctactccc atacgcgtgg acacaattgg 1380
 accctggctg gacaccctag gctttctctc ctgggtagga agcataacaa gcgcggcgct 1440
 ggtgtacatg ttcaacacaa gcaccaacgg tccaaacggc gagcgtcagc aa 1492

<210> 20494
 <211> 1496
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20494

tgatatgggt atgttcctt ctgctaaatt ggattaataa gctgagattc ccagtgattt 60
 cggaagcaaa gaagcttcta ccggaaaatg caattattgg cattagcgcc tcattctattg 120
 aagaggcgca gggggccgtt gcgggggcg cgactacct tggatatggg acgttattcg 180
 ctacaccaac gtgagttccg tgcctagaaa atggaatata tgcttatcta gcaggaaaac 240
 aaacaccaag cacatcattg gcacagctgg cacgcaggct atccttgact ccattgccga 300
 atctggccgc gatgtgggaa ctgtttgtat tgggtgggac aacctctcca acgttcaacg 360
 ggtactgtac cagtctgctt ctccccgaa gagcttgaat ggtgctgcta ttgtcagcgc 420
 tatcatggcc gcagatgac ccagagcggc ggcggcagag cttgcccggg ccacgcgcac 480
 tccgccgcca tttgtacgca aggcggacgg acctttggtt cgcaatgttg cagggttgct 540
 cgagaaggta ccgcatattg ttcaaaaaat ggttgaaatc caccggttg tccacaacat 600
 gatcaacttc gtcgtcgcca acttcgtcgc caatgtcacg ttagctatgt gagttacgct 660
 agcatcgagt taatggetta ctaaccagtg tagcgggtga tgcgccatta tgcgcgcgta 720
 tggcgacgag gccacggact tgtgccagtt tgacgggtgcc ttgcttatca acatgggcac 780
 tctgactagc cagagtcctt ccgagtacct caaggctatt cgagcgtaca accaacgcgg 840
 caaccgggtg gtgtatgac cagtaggcgc cgggtgcgacc cagattcgac gaggggttgt 900
 caaggagctc atggccgggg gatacttcca tctcatcaaa ggcaacgaag gagaaatccg 960
 ccaggtcgcy ggcagcacta gcgttcagca acgaggtgtt gacagcggac ctagtacgct 1020

tgaccaccag ggtaaggcac ggttggtccc tgaccttgct cggcgagaaa gtatgcattc 1080
 ctgcacatgt ctacaaatcg cccctaactt tgaccagaaa acatcgttct cttgaccggc 1140
 gccgtggatt accttagcga tggcgaaagg attggtgccg ttgagaacgg acatgaactt 1200
 ctcggtccagg tcaactggagt atgtttgcat ttgccctatc tgctgaaaca cataatctaac 1260
 ttaattcaga ctggttgccg tgcgggcaca gtggctggat gtttcacgc ggccaatcca 1320
 actgacaagt tccttgccgt tctctcagct cttctgatgt atgagattgc tgccgagaac 1380
 gccgtgcaa gagactccgt ccgcgccct ggaagctttg ctacgacttt catcgacgag 1440
 ttgtacgcta tccgtcaagc gtctctgcag ggagaccaca gctggtatgc cggacg 1496

<210> 20495
 <211> 1501
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20495

cccttgctg ttcgtcaact cccacgcccc atctccaggt acaagaagtt gacctttcat 60
 ctttgaatcg ggatgttgaa gtcttgattg ctgctgctcg aactgaattc gccataatc 120
 ctcttgaccc atctgttcaa caacgactta aagcgcttct agacttgcaa ggcattatgc 180
 aacgccagca acttacccaa gagcagctca aacttgctcg tgatcaagtg tcagcgctcg 240
 ctcccaagcc ctccatacag gcagcccagc ccgctccttc ccatattcct gtcacatcag 300
 ccccgaccat agccactccg ccagtcgcac agtcattctc gcagccactt cagcagctct 360
 tgaaccagc gacactggcg gaactcatca aagccacgcg tgcgcggcag cagcctactc 420
 caccccaagt tcctctgtt ccacaactac ccgtcagtag cactccaaa ataccttctt 480
 cagcaccaga gaatccactt attgcagctc taagagcaaa ggggctctta cctgcgtcct 540
 ccgcaccacc atttggttca gttccatcac ctaccgcagg tgcgttccca ttcatagtgc 600
 caggacaggt gcgatatacg ccaccctgc ccacaccgca agcggtgagt actgcagaag 660
 tacaagttaa tggtcaaagt aacaccgcgt ccatcaaaat gtaagttgta cctagtaggt 720
 tcgcgtacaa gctctaata tttcgtagac ctcgtagcat gttgattgcc agtctctacg 780
 aagcacgac taatagatgc ggcacttggt gccgtcggtt cttcgcaact gaagaaggga 840
 aacagaagaa ggccccgacat ctcgattggc actttcggac aaaccaacgg atggctgatg 900

ccgctcggcg cgctcagaac cgcagttggt acgttgatga acgggtatgt aacgccaata 960
 catctctcta gttctcacta acctcaagca ggattggata aaatcacgag agctgggaga 1020
 cgaccaagtt atcacagacg cggaagctac gagcgagaat accgctggca acgacagcga 1080
 gtcaaagaaa ggaccgggcta aacaatggat tcgggcaccc aacgatgcca cgttgcgcaa 1140
 cacaccgtgt cccatctgtc aagagaagtt tgagtctacc tggtcggaag atgttcaaga 1200
 ctggatctgg caggacgcaa taaaggctcg caatcgtgtg taccatgcca gctgctatgc 1260
 ggaagtgact aaagacgggc cacctcgtgg tcgagaaacg ccatcagggc gtactggaac 1320
 ccctgactct gttctgggca agcgaaaagc tgaggtgagt taggtaggac cttcaatatc 1380
 catgagctgt atgctaacgt cctcagggaa ctgactctcc tagccagaac gtgcggatca 1440
 agaccgagcc ggtctaaaca gcacgagtct tagctggcga aagcacttga aaagttatcg 1500
 c 1501

<210> 20496
 <211> 1503
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20496

ggggaaagct gcgcctgcat ttccattagt atcatttcta tggggagctc gcgctggcgt 60
 atctcaatgg ctcgttcttc ctctcatatt gatgacagtg ggccctgtttc gctgggctgt 120
 cagtctgtgg ggttattcag gtaagcatac catcgagttg ctgtatggat tcttgtatgt 180
 atacttgggc tcatcatgcg aaggctttta taccctcca atgtatggtg actttgaagc 240
 acagcgtcac tggatggaga taaccattca cctgcccctg tcgaagtggg atacctatga 300
 cctacagtat tggggacttg attatccgcc attgacagcg taccatagct ggctgctagg 360
 aaaaatgtac gttggatttt ggccaagtta cagacttaac cagaagttta acttataaac 420
 agtggctcgg ttttcgatcc cactttgttc gccttggatg actctcgtgg aattgagggc 480
 tctcttctga aagttttcat gcgtgcaatc ggtggttggtg tccgagtacc tcgtatatat 540
 ccagctatt gtcactttcc tgcgacgtta caccggatg caagcggtag ccgtatggtc 600
 ctcgctccatc gcactcagcg ccacccctct gcagccagca accatactta tcgatcacgg 660
 ccactttcag tataatactg tcatgctggg attatttgtt gcgtctttgg atgctataat 720

ggcaggacgc atgcttttggg cgtgtatttt ctttgtcggg gctcttgggt ttaagcaa 780
 ggctctgtac tatgctccgg ttatgttcgc atttctcctt ggaatctgca tctttccgcg 840
 gattcggcctt gtccggcttt tctgcatagc cctcgttacc attgcttctt ttaccgcctt 900
 ctttcttctt ctgctacttg gggctactag caccgaggct gggaaacagc cagtccctga 960
 gccacctttg cttcaggctt tccccgtaa tctggaccat ggatcatcat tataccta 1020
 tctctttcaa ttgacacaga tagtccacag gattttccca ttctcgcgag gtctcttcga 1080
 ggacaaagtg gcgaatgcgt ggtgcgcat tcacacattt tacaaactcc atcatttcga 1140
 gcctgaattg ttgaagcgcg tatcactcgg cgctacccta gcacgatct tgataccgtg 1200
 tgccatcgtc ttccgtcatc cgcgcgcttc aattctgctc cccgcttttg ctactgtcgg 1260
 ctggggcttt ttcttttct ctttccaggt gcatgaaaag agcgtgctgt taccgttact 1320
 tcccatgaca ctacttatcg ccggtgatgg agggctcaat aaagataccc ggtcatgggt 1380
 tggttgggca aacatccttg gttcctggac tctatatccc cttctcaagc gagatggcct 1440
 ccaagtgcc aatttcgtgg tgacttgctt ctgggcctat ctattaggcc ttccccgacg 1500
 tcg 1503

<210> 20497
 <211> 1507
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20497

gaggacctcc accggcaagg agttccattg cgtctaccag ccaaataacg aaccgacccg 60
 gaagttccgc gagcagggtta agccgcaccc atattccatc gctagctgcg tcgggcttct 120
 tccggcccat gtcacgcaa cgtctgcaag cacatcgtgg acgtcctgca acaaatcaca 180
 cagtctcaac agaggattgg ggtgatcaaa tgaaccagaa caggcggagt ctgatttcaa 240
 acagcacgtt tccgaactcc ctctcagccg ccgatcagga ggttcccccg tcgcgtggca 300
 cagaattcac cgaccctatt atccctgac ggattcattc gaacgctagc cctaccgcga 360
 atacgacgac agtgagaagt gaaagtgcga atttgatacg cgacagagaa cggccccgcg 420
 acctcaatct aaaagtggac tacaaaggca cgaacgaaaa cgagacgcct gaaagatcac 480
 ccctttcggt cctttcgtg cagaacagga acgcgcctgc agataatcg gatagccgag 540

cgcatgcacg gttatcgtct gctgactcgt ctccgcaatc aattgaaaag aagccccgagt 600
 tggcgaagag tcgcaacaag ggcaggaatt acgaatattt tgttggaat actatattct 660
 ggggaggagg gagattccag aattctagag acaaaccggt caatatcgca accgggctcc 720
 tcgtgcttgt gccaaactggc ctattctttg gtttctcgta tgtatgcgtg gtccaaacat 780
 atgacttgtc gctaacagcc gtctaggggt ccttggctat ggcacaacat ctctccagct 840
 attccggttc tctttgcta tgtcttctac ctatgcttct cctcatttat acatgcgtca 900
 gtggttgatc ccggggtaag cgatgaccat tatcatccgt cctgtaatta ccctcactca 960
 tcgtcttcag gtcattccgc gcaatctgca tcagatgcct cctgtcgatc cctctcagga 1020
 tcctctcgcc atagggccac cgacgaacga ctgggtaatg gtgaagcttg caacctctga 1080
 tgttgctgcc atggacgttc ccgtcaaata ctgcaagacg tgccttattt ggcgccctcc 1140
 gcgggtgctac cattgtcgcg tctgcgataa ctgcattgag accctggacc accattgtgt 1200
 ctggttgaac aactgtgtcg gccgccgaaa ctatcgatac ttcttcgctt tcgtcagcac 1260
 ttccactcta cttgccctct tcttactcgg tgctagccta gcgcacattc tgggtgtaccg 1320
 gtcacgtgaa ggtatcagct tcagcgacgc cattgataag tggaggggtac ctttcgctat 1380
 ggtcatttac ggagctctag cagcgcccta tccggcgta ttgtgggct accatctctt 1440
 cctggtgggc cgcggcgaaa ccaccctga gtaccttaat tcgcataagt tcgccaagc 1500
 cgatcgc 1507

<210> 20498
 <211> 1517
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20498

gcctcggaac gactcacctg atctatccca gtgctcttaa tactcggctt ggtgggtacgg 60
 accatatacc gtctatattt tgatccgcta caccacatac cgggccctaa gctggcagca 120
 attactcacc tctacgagtt ctatcacgat gtcacccgag gggggttgtt tatatgggaa 180
 atagagaaga tgcaccggga atacggtatc gtcaatcgat aaaaaaccgc tatccataag 240
 cagtccatat taacctgcga tttatctgaa aggaccata gtgcggatca acccccgtga 300
 agtccatata aaagactcgc aattctatga ggagatatac gcgcctgcca gcgggggaag 360

acgagacaag gaccggcaag ccgttgagat attcagctcc cctaccgca tggttgcaac 420
 ggttgaccac gacacgcacc gtatacgag aaaactactc accttcttct tttcgagacg 480
 gtcgatcgag cggctggaac ctgttggtcca tgagtcactg tcaaagttcc tagatagcct 540
 tgtcgagacc tacaaggaag acaccgtggt ggaccttatt gacagactcc agggcttgac 600
 aggcgatgtg atcacacaat atgcttacgg gaacagctat gggctccagg agccccaaaa 660
 tatcggtcgc gggatcacia aggtgggtcca agaaggaacg acccagatcc acttgcaccg 720
 gtttttcctt ttctttgagc gccttctgag agtcgttcca aagtgggttca tggcccagat 780
 gctgccagcc agagcggcaa tatacgacct tttgaatggc gtaagagagc agtcaattga 840
 ggcgcttaaa cagagggata tgtccgcccc tcctccgaag aagacaacia tgttccatgc 900
 cctaactgag ccagaagtac cccagaaga acgaacatta caacgcctcc aggatgaggg 960
 attagttctg ttgcggggcg gactgagac cacagcaacc attttgggag tggctctatt 1020
 tcacattctg aataataaag aggtccatcg gaaactgcgc aatgagcttg accaagaact 1080
 gccaacaccg caagccggga caacgtggcg tcagcttgaa aagttaccat atctggtatg 1140
 gccatttctt gcttgagta cccgttctac ttttttggtt attgggctaa ttttctacag 1200
 aatgctacta tccacgagcg cctccgctgt tccggcctga ctatgcgaca acaaagaatt 1260
 gccccgacag aggtagtaaa atacaagaat tatgtcattc cacctggagt atgttacgct 1320
 ctttcccagg atgctcgta taaccctaa ccagccaatg catagactcc cgtcagcatg 1380
 atctcccatt tcgtgaatat ggatccagac atcttcgacg atccgcagac attcaagcct 1440
 gaacgctgga tactcccggc cgaaaagaag caaatctct ctagattcct tgtgacattt 1500
 ggcaagggca accggaa 1517

<210> 20499
 <211> 1519
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20499

tccagccac agaaacggca atgtacctgg tgtagtagat tcagtcactt cgatgggaac 60
 accaattcag acacatccag aagcaagcaa cccccgctct ggcgcctttg gcaacgctgg 120
 cagggacaac acggggcgca ggcctgatgc aattgcgcat actataccaa gcagcagtga 180

gtccagcaat gctatatgga cactcggcat ggtactcgct caggtctgga ggcggacatc 240
 cccaaagccg actgaagatg ttaagccaaa tccaaaccac agcagcaaga gttatcaccg 300
 gcgctttccg ggccacggca tctgcggggc ttaacatcgc ggcacactta ctcccagagc 360
 aacgctcttg gagagaaaga tgatagcgac atcctctggt ttcatactgg cacagccatg 420
 gacatggtgg aaaggggtgag gagaggagaa gatatcggaa acggacacct aggcaacggg 480
 tggcgggccat ggagctggag ccctttggag aagatccaag acttcacaga aaggagatc 540
 gggaaagaca gcctcaggaa cctcgagcaa attttgccat tctctgtcgc gccgactgg 600
 gtctccccag acataataat cgacggggac gcagagaccg cgatagagac acaccgaaac 660
 atactgaacc gcgcaccacg ccctatagca ctgtacactg atggcagtgg aatcaacggg 720
 agagtgggag cagccgcaat atgccgaaa tatctgatat cgcgctcgtc gtatatgggg 780
 caacaatcgg agtcaacggg atacgtcgcg gaactacagg ggatcctgct agccctgggtg 840
 attattctcc agcgccaaat gcaacacgca gtcattctca cagataacca ggctacgctc 900
 caagcactac gaaacccggg cagtcagtca ggacagtata tcttgggaagc cattataatg 960
 gcgctaaaca aagggcggaa ggcgggatta aatgttcact ttcgttggat tcccgcacac 1020
 agaggtgtcg agggaaacga acaggcagac cgagagcaa aggaggcaac aggatggcga 1080
 cggatccggg gccaccgagg cagaatggta gaggtcatga ctgatgagac agcgcccaag 1140
 cctcactaac tcaagaccat taggtcggcc gtgaagagaa gggcccatga agttgtgaat 1200
 gcccgatggg aaaatgattg gaaatcatgc catcatggcc gggagctata cgaattaacg 1260
 ccaacaccaa caaggaaggt cctcaggggt catcaggacc tacacagagc gctgagcacg 1320
 ataattgtcc aaatgcgcac cggcaagatt ggactccgcc actatctcta tcagagagga 1380
 gtaccgatg taccaaacag cgattgccaa tgcggaagag cgacacaatc ggtccgccac 1440
 atccttctcg catgccctac attcagcggc ctacgggagt aaatcttcgg tggacgaagt 1500
 gggggaccag aaggggagg 1519

<210> 20500
 <211> 1521
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20500

taccgcaggc ggcgagatc actggacata tgccttgca ccgtggcatc ccagattctt 60
cagtttcttc caaggtacga ccggtccagc cttctgtgat gtaaacagag attaacacga 120
gctaccagga tggataaccg taaaaccttt acctctctcc cctcttctgg cgtccatata 180
attgataaca gctgatcgtg ctggcaggtc ttctcttggt cctcccttgt ctccatagcg 240
cccttcttaa tcggcaatca gatcgaaggg atgatcaaac ttgctcatcc cacatacaca 300
attcacggct ggcgcagcac attactgatg tgggccgtct ccataccccc aattgtagtg 360
aatatctttg cgcggcggtg tctcggcgtc attgagaccg tggccggcat catgcacatc 420
gtcatactcc cgatgatcat cggcgtcctg ggtcgttcgg cggtgagctc gaatgaaagt 480
cacaatagca ttgaagacgc gaataacttt gtctgggata ccttcttgag tgggttcagt 540
gggtggaagg acgcgggcgt tgtcttttcg gtgggccttt tgggcgttat cacgcctcta 600
agtggttagt gtctgctaac acccttggtc tatacttcta tgaaaagcaa gtgttgatag 660
gcatgtgcag ggttgatgg cattattcac atgtccgagg aagtgcacaa tgcgcgcctg 720
acaattccaa gatcgatggt ctggggaact ctgttaaacy ggattatggc cctcggctat 780
gccatcgga tcctttactt catgggacca agtccagaag cctacgcctc agcattgctg 840
acatcgacgg gataccaat tatcgagatc acgtatcgag tgacoggtc caaagccgcg 900
actttcatgc tcatagccac aggcattgca tcggggtgga tcgcattctt caacggcctc 960
gcctcgggta ccaggctgat gtgggcgttt gcgagagata acgggctgcc attttctgac 1020
ttctttgtca aggtcgatag gcggctgaaa atcccgtgc gggcggtggg gttggtgact 1080
ggctggatct ttgtgctatc ctcatgcag atggggtcga cggcggcctt taatggcatt 1140
atgagtctga gcgcgctcg gctatatatc tctatctgt tccattgtc cttcctggtt 1200
tggggcaggc tgaagggtga tgtgccgtca gggcatata gcctgggacg atgggggctt 1260
accctgaact tggttgcat tctgtttgca acctattttg cggctcttct gccttttcca 1320
cccacgttgc cggtcacgcc ggagaacatg aacttctccg gtctgtgct aggatattt 1380
atgctctgct cttgcgttga ctgggtggct cgagggcgtc acaagtggac gggacctaca 1440
atgaggtatc ctaggggatg agctatgacg atgactcccc agtcatgcaa cattgaagag 1500
aaatggtcac taatgatact t 1521

<210>

20501

<211> 1522
 <212> DNA
 <213> *Aspergillus nidulans*

 <223> unsure at all n locations
 <400> 20501

```

cgcatccgac gagcatgttt ctgagaaatc tgatgagcat ggatacggag gagatgataa 60
gggctcagcc attggatgcn tgtgttatga tcggcgggtga gtttactttc ccgatggcgg 120
atgggactaa aggatgtcct taggatgtga caagactggt cctgcacaac tgatgggcgg 180
catatctgca aacaagccta ttcttcccct aattactggg ccgatgatgc ctgggagtca 240
tcgcgggcag aggataggtg cttgtacaga ctgccggaac aactgggctg ctttccgtgc 300
tggcgaacta gacattgaag aaatctcaac catcaatgaa gagcttgccc cgacggtgag 360
ttgggatctg gacgtcgagt cggttgaccc agactaaaga gtctagattg gaacatgcgg 420
cgttatggga acggcaagca caatggcgtg catcaccgct gctcttggtg tgatgccact 480
acgcggagca tctgcaccag cgggtgtcgtc tgcaagagct cgagttgctg aagagacagg 540
tgccaatgca gtaagggcag caaacagcaa gtggaaacca caggatatcc tatcgaagga 600
gtcttttctg aacgccatca ccgttctaca agcaatcggc ggatcaacaa atgcagtagt 660
gcaccttatg gctattgcga atcgacatcc aaaggtacag ggtgtgataa ccttacagac 720
gtttgaagag gttggatgca agacaccgct actggtagac ctcaagccca gtggcgataa 780
ctacatgact gatttccata acgccggggg catgttagcg ctcttacata ctcttcgacc 840
cctcctccat ctctcagcca tgacaattac cggccaaacg ataggcgagc tcctggatgc 900
atcgccattc agaggtttct ccctatccca gaaaatcatc agaccactct cagaccctct 960
ctacccttca tcatcgtgga tagtgctgca aggaaatata gcgcccaatg gcgggatgca 1020
tgaaagcctc cgctccaaa gaccgcagac ttcttacgca caccgggcct gcagttgtct 1080
ttgagaattc cgccgacctc gccagacgca ttgatgaccc ggatctcgat gtcacggcag 1140
actcaatcct tgttctcaag aatataggac cgatcgggaa ccccgggatg ccagaggagg 1200
actcctacct atcccacgta aactagctgc cgcagcgtaa aggacatgct tcgaatctca 1260
gacggccgta tgtccggcac agccgaggga cgatcatcct tcatgtatcg ccggagtcgg 1320
ctgtgcccga gtcaccgttt ggtattgtac agacaggcga ccttattact tgtgacattg 1380
agagcagggg actgcacctg gagatatcag gggaagaact aaagtcgcga attggggctc 1440
  
```

ggaaagcagc ggctgctgta aagccgaggc agagggggta tcgggggttg tatgagcggc 1500
 cggcgaatca ggcgcaggat gg 1522

<210> 20502
 <211> 1526
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20502

ccgcatgatt ttaacccacg tttcagtacc ctctcaagag tccagcagaa aatgggagac 60
 agcctgacat actctcaagc gcaggcgagg atcctcacca gatcctactc tgggtcaaac 120
 gtagactctg aggactccta cagttctatt ccaactcttag agcgaggact tagtgacgag 180
 tccatgaaga agcctgtgga tggaggccaa ctactgcgc ttcagcccat ggcagctaata 240
 gaggggagct cggatgttgg atcatcgcat cttccattg acatgggtcaa gaagaccgag 300
 agcatgaagc gcatcccgag aggatccagt cttcctgtcc ctcatcaaaa atccagagta 360
 tctcgtttat ctgggtctatc ttcggagctt tctgtcgagc tcatagaccc caaggaagcc 420
 gcggatgcgc ggctatcggt tgacacgcga agtctcaacg agtcgagtgct tacaataccc 480
 cctcaccccc ttgcacatcc accttcccc cctatgacta ttcaaaatca tcgctcagtt 540
 cattcatatc gagcttccct gtatcctgac cttgccaaag ctcagcccct gacccagac 600
 ccatctccga tccataaggc tgggaagcgg gcaaatatcc catctttgga tatgcaacat 660
 gtgtcaggag acgttctctg ccgatcggaa gcagaccacc atatttctgc aatcccgaaa 720
 ataccaatcg ctcaacatgt gccctttgtc ctgtcatgag aatctcacgt tttggccgag 780
 cagttcactt tgggtgagat ggctgctctt ggtgaggtag attggaggga ccttgttgac 840
 atgaagtgga atagcgggtc tccatttacc acgagctggg tgcagttcct tatggacgag 900
 gagcgccggg gcattgattt agtgggtgga cggttcaacc tcatggtgaa atgggctctg 960
 tcagagattg ttctcacctt ggatatcaag gagcgggctc ttaccatctc caaatccata 1020
 cacactgcgg tacatgcacg gagaatgtgc aactacgcca ccatgctgca gatttgtatt 1080
 gcatttactt cgacggattg ctctcggtc cagagtacgt gggcgctagt gccgctcgag 1140
 gataggcgga tgttgaagga tttggagatg ctcatccagc ccgtccgcaa cttccatgac 1200
 ctccgtgtcg aaatggagac tgcgaacgtg caagaaggct gcattccatt tgttgggtgcg 1260

tccatttgta aacctttccc ttggattcgc aataactaact gggaatcact aggactctat 1320
 atccatgacc tcacgtataa tgctcaaaag cctgcccagg tggcagcaac ccgcgaggga 1380
 gaaccgctaa tcaacttcga gcgctatcgc acgacagcga gaattgttaa gagtctcctc 1440
 cgattgattg acgcgagcac aaagtacaat atcgagccgg taccaggaat cgttgagcgt 1500
 gtgctttgga tcgcctccct ctcgga 1526

<210> 20503
 <211> 1531
 <212> DNA
 <213> Aspergillus nidulans

<400> 20503

gcgccactgc ctatcgacct gccatttcgc attgtctcaa agacattcgg tcagggcgct 60
 tatgcttggg acctttcaat tctttacgtg ctctgttatg aatgatgagc tgtgctgatg 120
 cctcgctctt tccagtctta aaaaagcgtg tccactgaac gccgacactc cggctcttcgc 180
 ggtcaagttc attaaciaaag actacgccgc tcgccatggc aaaataagtc caccacaatt 240
 gctcatggaa gctacagtac acaaacatat cggcgaccat aataacatca tatctttctt 300
 ccagaccgga gaggatggcg catggcgatg gattgcaatg gagctagcag acggagggga 360
 ccttttcgat aaaatcgagg cggacgaagg cgtcagcgag gatataggac atgtctatct 420
 caccagctt ataagtgcgg taggatatat gcactcaaag ggcgtcggac atcgagatat 480
 caaaccggaa aatatcctct tgaccgcgga tggaaacctg aagatcgagc atttcgggtct 540
 cgcaacgcta tttgagtaca aagggggcac gaaactgtcc accaccttct gtggtagccc 600
 tccatacatc gcgccagagg ttatcacctg tagctctcga aatcagacta aagggcccgg 660
 ataccgccct gacgtggcag acatctggtc gtgtggcatt gtcctttttg tccttctcgc 720
 cggaatata ccttgggata gcccagacaga ggatagctat gaatttcacg aatatgttat 780
 gactaacgcc cgcacatctg acgaattgtg gcagaaattg cccaccgcaa ctctctcatt 840
 actgcgcggc atgctgaaca ttgacgcca ggctaggttt tctctagaag atgtccggcg 900
 gcatccctgg ttcacgcgcc agaaciaaaca cctcgcccca gacggcagac tgcgagaccc 960
 tatcaagggt gcaccgtcta tgtttgagtc tcttcatatt gactagtctc aatccgcctc 1020
 ccgccccttg aaaggcggga gtttcggggc agatcgaatg gacgtggata ttggcgacga 1080

tctaggtgcc gagcatagga ttcatccac gcagccagaa gtaccgagag gcgacatgct 1140
aatcgactgg gacacgccgc atctcacgga cgtcttctcc tcgagccaac caacgaacaa 1200
cccacgccc ccatccagca gcctcacgcc cgaaatcctc gaagacgagc cctcgttttc 1260
acagttctca caacggccat ctgtgcccac gagccgaact cagaacgccc agcgcttcca 1320
cgatatcggt cctccccgct cctcaccgc cttcttttcg acgtgggaac tcaagctcct 1380
cgtcccgtt atctgcgagg cgctacatcg ctttggtgtc ccggttcccg ctgttcctgc 1440
cgtatcgccc ggtgacaatt cggctatgat tagagtgatc acgagagatg gcagaatgtg 1500
tcccttcatg gaaaggtgct tgttgaatgt g 1531

<210> 20504
<211> 1539
<212> DNA
<213> *Aspergillus nidulans*

<400> 20504

cgagtgctgg aggcggaagc ttggctgag aaagccaagt ccaaatatga cacattggcg 60
gagcagtatg accgggtaaa gacaggagag aaagcagggtg gaaagtccgg cttcaagggt 120
accaaactctg ttgccagca ggaggaagat ttgttacgca aagttcaaag tgcagactcg 180
gactacaagg ccaaggttca agccgctcag acggctcgac aagagctgat ctcgacccat 240
cggcctcagg ctgtacacaa cattcagcaa ttgatctctg agtgcgactc gggacttgct 300
ctgcagatgc agaagtttgg tgcgctgttt tgatgctatg ctagcctgca gctgctgact 360
atgtttctag gaacgttcaa tgagaagctg ctgctagggc agggcttatc tatcagtcca 420
ttaaaagaac caggggaggg tgccgctgct cccaagagtc tccgcgaagt catccagcaa 480
attgacaacc agaaagatta ccatgattac attttaagcc atgagtttaa tcctggcgcc 540
gtgacctccg agcaaattca ataccatcgc catcctgtga gttatgacgt cttctgattt 600
gtttctcttg cttaaccttc tgcagacact aggaggacca actgcgccac ctgtttctag 660
tcctcagagt acacagacga agcggcagtc tgttgtagtt cctcagcccc tctatcagcc 720
acctacttcc acccaagctc ctcaaatacc aatccaaata ccatcatcag gccactaga 780
gagccccag tcagccccat accctcaaaa tccagatgtg tttgcgccac cacccttcca 840
gccgccgtac ccaactgcgt caggacctcc tcctgagccg cagcccttga accagccgca 900

gcctccggcg ccgaaagaac catatccagc cccgggaagt ggctatttac caaatttgaa 960
 ccttcctccg ctgaagcctg tctttggagt ctcgttaaata gagctgtacg cccgtgatgg 1020
 gactgctgtt cctatgattg tgtatcagtg ttttcaagca gtggagttgt tcgggcttga 1080
 tgtcgagggt atctaccggc tctctggaag tgctactcac attagtcaga tgaaggcttt 1140
 atttgacaat ggtaagttct cccaagctat ctctgaaag gctactcata ttttttatgg 1200
 cagactcgtc ccaagtcgac ttcaccaacc cagagagttt taaccatgat gtgaacagtg 1260
 ttgcagggtc cctgaaacag ttttttagag acctaccaga tccattgttc acgtcacaag 1320
 cgtattccag cttcattgac gcagcccgta agccttctcg aatgacgtcc aatcaatgcc 1380
 tcatgctgac atattcaccg agggattgac gatgacatac aacgacggga ttcgcttcac 1440
 gcgattatca atgggtctccc ggacgcccac tacgctaccc tgagagcttt gattctgggtg 1500
 agcctgcatt taagccttta cttctcgcta gggctctgc 1539

<210> 20505
 <211> 1547
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20505

ctctctttct ctgtgcggta tatctaaata tccatttaca acatgcctca ctcaattctc 60
 tacaccaaaa tcgacacacg cccccagag gttatccaca gccggggaaa ctacctgcac 120
 accagcgatg gtcgtacaat atttgatgcc agcgggtggcg ccgcagtcgc ctgtctgggc 180
 cataatgaac cccaggtgaa gcaggcaatc atggcgcagt agacaaggta gcctacatct 240
 actcgccgtt cttcactgtg cctgctgcgg aagagatagc caccttctctg accgagtcga 300
 cgggggggtgc gatgagcaag gtgtttattg tcagctctgg tgggttcctt tttcgtcctt 360
 gccctcttga atgttcttga ttgagactat aggtgctcga taattgaccg ggacaggcac 420
 cgaggcaatc gaagccgcac tcaaaatgac acggcagtat tttacagagc tctcgaagcc 480
 tcaactacaa cggacaaagt tcattgcgcg gaggcagtcg taccatggga atacgttagg 540
 atcgttggcg gccggtgggc acaaggcgcg gcgggcgata ttcgagccta tactggcggc 600
 aagcacatcg cacgtctcgc catgctaccc ataccgggag atgaagaaag gtgaaagcaa 660
 tgaggagtat gtctctcgcc tggctgagga gctggagaat gagtttcagc gggtcggggc 720

cgatactgtc tgtgcattca tcgcggaaac catgtcagga acggtaggtc aacaactcgg 780
 accaattcgc gcttgcaagt aaactaattg aaaaaagaca ctgggctgta ttcttgcaagt 840
 gccgggatac ctgaaggcaa tgaaacaagt atgcgaccgc cacggggcat tgttcgtttt 900
 ggacgaggtg atgtctggga tggggcggac gggactctg cacgcctggc agcaggaggg 960
 cgttgcccc gaccttcaga ctgttgcaaa gggactaggg gcaggatatg cccctgtggg 1020
 agcgctgtc gtcggcaacc ggggtggcaga cgttctcagc aaaggaactg gcagtttcac 1080
 ccacagtcat acgtaccagg gacaccccat cgcattgcgt gcagcatgcg ctgtccaaaa 1140
 gattatccag aaagaaaacc tgtagataa tgttcgccgg caaggcgagt atctaggccg 1200
 gcttctcaat gagcgcttag gtgggcatag gaatgtcggc gatgttcggc gacgaggact 1260
 gttctgggct gtaagtatat ttcatatctt tacctccggc gagtattgga ctgacaaatc 1320
 actgcatagc tcgagttcgt cagagacaaa gagaccaaag agcctttccc agcgggaagcg 1380
 gcatagcgca caaggtgcac ttgacaggct tgcaaaaaaa gcactccatc tccgttatcc 1440
 ctggcgctgg ggttgcatat cgtcgtaatg gggatatcat acaaattgcg cggcggtaca 1500
 atctgtcaaa ggaggatatt gaattgattg ttgagcgcgt cgagggc 1547

<210> 20506
 <211> 1550
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20506

gaattcgggc gttgtacttc ttgcaacggc gcagtccaag gaatcggtta ataacgtcat 60
 tgtgggcggc catgttttcc gagaagtaat ccatctaagg gtccttgaca aagagggacg 120
 ccgtaaagtg ctggagtacc tcacaagtca ggatcgcagg acgaccagtg cgacggcgga 180
 agctgggtcca tccggcgcca ctaatggcca cacaaggaca gtcagcacgt cgaccaacga 240
 ttcttggtg gacccttcaa atccaggcag tcggccaagc tcatccgggtg gtgacggctt 300
 cattcttggg cgtgatgtcg actttctcga cctagctgga aagaccgacg gattcatgcc 360
 tggagacttg gtgttactgc gtgcctcggc ctgcgaacga agccctcatt cgatctatca 420
 gcgaggcatc ggatgagtc agggcgatca tctcggagc agcggatttt gataatgcca 480
 ttaaaggatt caccgccgca tctttacgca atgtaactct gacttcatcc accacgacct 540

ttccgctat tgggtggtctg caccgagactc ggaagatgct cctggagaca ctgcagtacc 600
 caacaaagta tgctcctatc ttcgcacagt gccactccg attacgctcc ggtttgttgc 660
 tctatggata ccctgggtgc ggtaaaacca tgctggccag cgcagtggca ggcgagtgcg 720
 gtctcaactt tatcagcgtg aaaggaccgg aaatccttaa caagtacatc ggcgccagtg 780
 agaagagtgt acgggatctg tttgaacgag cgcaggcagc tcggccatgt atcctcttct 840
 ttgatgagtt tgacagtatt gcgccaagc gtggtcatga ctcaactgga gtgacggacc 900
 gagtgggtcaa ccagcttctc acccagatgg atggagctga gggctctctc ggcgtatacg 960
 ttctcgcggc tacatcacgg ccggatctga ttgaccagc gttgctccgt cccggtcgtt 1020
 tggataagtc gctactctgt gatatgccca accatgctga tcgtgctgat attattcgag 1080
 ctgttagcaa gaagcttgcg atgagcaatg aggtggtggc ccggattgat gaggtagcag 1140
 cgctacagc aggattttcc ggtgctgac tacaggctgt tgtctacaac gcgcacctgg 1200
 aggcagtaca tgacgcatta tgcgatcggc cgggcgataa gccgtcagcg aagaccgcca 1260
 agtcgttcac acccagcacg agtagtcgct cgttcaccca attcctgtac tctgatctgg 1320
 agcagcgagc tggaacagtg gcaatgccg caccggcagt tgtggcgctc aagctcgatg 1380
 cgctgaagaa cgcgcgacgt cgccaacggc aattcgagca agccgcccgt agcttagcgc 1440
 ctacaactgc gacggacaat gcccatgaga cagggccagc cgaaggctcg gaagaaatag 1500
 tagtgcgatg ggagcacatg gagcgggtctt tgaacacgac gcgcagttcg 1550

<210> 20507
 <211> 1564
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20507

atcccgtgg cccctttccg gagcctgtaa tgaatgagcc tccttattac tatctcatta 60
 ccacttatat cagttatctg attctaattg ctttcgggtca tggtcgtgat ttctttggta 120
 aacgttttcg cgaggagaat tategtcacc tgaagccccg gaatggctat gcggctctta 180
 acagtgaact tgacaacttt tacgttcgcc gcctgaagct acgtatcaat gactgtttcg 240
 aacggccccg tactggtgtt cccggaagat acatcacctt gattgaccga gcgacggatg 300
 accacaacaa aaacttctac cttaccggaa ctacgaccga cagctgaat ttgagctcgt 360

acaactatct tggttttgcc cagtcagaag gcccttgtgc cgatatcacc gaggaaacga 420
 ttcgcaagta cggcattacc cctgtgagta ctcgcgcaga agtcggtaca caggacctgc 480
 atgtcgagct cgaggagtgt gtcgccagct ttgttggaaga agaagcgtct atggtcttct 540
 cgatgggctt cggtaaccaat gcaaaccatct tccctgcgtt ggttggaag ggtgatttaa 600
 tcatttctga cgaactcaac catgcctcca tccggttcgg tgcgcgtctt tctggagcat 660
 ctatcgccat gttcaagcac aacgatatgc atgacttga agctaaacta cgagaggcta 720
 tcagccaagg tcaaccacgt actcaccgac catggaagaa aattcttgtt gttgttgagg 780
 gtctttactc catggagggc tcgatgtgta accttcccgg tcttattgcc ctgaagaagc 840
 gctacaagtt ctatctcttc gttgatgaag cacactcagt tggagccatc ggtcctcgtg 900
 gtcgggggtgt ctgtgattat ttcggcattg ataccaagga agtggatatt ctcatgggta 960
 ctttgaccaa atcgtttggg gccaacggag ggtacattgc cgccgacaag gtgatgattg 1020
 acaagcttcg ggcaaccaac tccggcatgt tctacggaga gtcaacttct ccggcagtta 1080
 tcgcgcagat tatctcagca ctacgactta tcaaggggta acttattcct ggccagggcg 1140
 aggagcgact acagcgtttg gccttcaatt cccgatatct tcgtctgggc ttgaagcgtc 1200
 ttggctttat agtgtacggg caccgacgatt cgccgattat acctgttctc ctcttcaacc 1260
 ctgccaaaat gccggctttt tcccatgaga tgctgaagcg caagatttcc gtgggttattg 1320
 tcggttatcc ggcaacgcct ttggtttcct cgcgtgctcg attttgcgtt tcggcgggcg 1380
 atacaaaaga agaccttgac cgaatcctga cggcttgca cgagattggc aacatcctgc 1440
 agcttaaatt ctcgaccggt gtcgcaggcg gtgcactccc catgaatgac gacatggcg 1500
 cgccccaga gaaggaagtc cagtggcagc agaagcgaaa cccgcgaatt gtccctccgc 1560
 ggtg 1564

<210> 20508
 <211> 1567
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20508

tgtctcgcta gatacgccgc caattgtgcg agtggccctt gagcctgtca acccgtcaga 60
 tctcagcaag atggtcacgg gcctgcgcct acttgaacag agcgaccctt gcgcactata 120

cgaagtactt ccgaatggtg aacatgttat tctgaccgca ggtgaactgc accttgagcg 180
ttgtctgaaa gaccttcgtg aacgtttcgc gaagtgcgag attcaaaccg gccagacaat 240
cgttccatac cgggagacca ttgtcagagc cgctgagatg gcagctccaa aaaatccaga 300
tctaggaagg ggtggtgttc tggctgtttc tgcataaaag cagttgacgg tccgactaaa 360
ggtcattcct ctaccagaag cagttactga tttctttacc aagcatgttg ggaccatcaa 420
acgcctacag tcccagaagc gaatcattag agcagagggg gaaaatgcta ccttttcctc 480
tgaaagtaca cagcaggacg aggccgccga cgcaacaggc gaggctagag aagtctcctt 540
gctctctctt gacgatttta gaaaggagct cagcaagacc ttcgaagaag tcaaggaaga 600
caaggagctg tggaaggatg ttgtggataa gatcatcgcc ttcggctctc gccggacagg 660
gcccaatgct cttatcgacg ccacagtagt caacacatgc gagaaattgt atttgttccc 720
catatcccta agttgattcc tatactaaca aaaccactag cctcctcgac gatcccaagc 780
aacaaccagc tgctccttccc gaaaacgcc gcccgcagcg actcatcgct cgcgacttct 840
gcgacaagat cacctacgcc ttccaactcg ccacagccca aggcccgctc tgccaggagc 900
caatccaagg aatagcagtc ttcctcgagg aaattcaa atcaataaccac gaagatgagg 960
tggaacctcg ccgtcttacc ggtgagacaa tccgtctcgt ccgcgaaagt atctcccaag 1020
gcttcttgga ttggagtcgc cggatcatgc ttgccatgta cagttgcgaa atccaagcct 1080
ctagtaagta cttgccttct cattcgctgc aatttctagc ctgggtatct cacaatcgac 1140
tttatgaatg ctacgaaaga taccatgaaa tatgctaaca ccatctgcag ctgaagtcct 1200
tgcccgcgct tacggcgctc tcacccgccc acgcggccgc attctctccg agacaatgaa 1260
agaaggaacc ccttcttcca caatcctctc cttctctccc gtcgcggaat ctttcggctt 1320
cgcagaggaa atccgcaagc gcacctcagg tgccgccc aa cctcaactaa tcttcgcggg 1380
ttttgaagcc ctgcaccagg accccttttg ggttcccga acggaagagg aattggagga 1440
tcttggggag ctggcggatc gtgaaaatgt ggcgaagatg tatgtcgatg ctgttaggtc 1500
taggaagggc ttgtttgtgc aggggaagaa gttgattgat gcagagaagc agaagactct 1560
gaagaag 1567

<210> 20509
<211> 1576

<212> DNA
 <213> Aspergillus nidulans
 <400> 20509

```

gccgtagcgg gagagctgga ttatgacatt gccattctaa atctgagtga acgagggatg   60
actgacgata ggctcaatcg actcttgact atagtcccga agcggactct tgttcttttg  120
gaggatgtgg acgccgcttt ctgaatcgc cgcactcaaa cagatgagga cggctatcgc  180
ggtgccaatg ttaccttttc tggcttactg aatgctttgg acggcgtcgc gagcgcgagg  240
gagcggattg tcttcctgac cacaaccac gtggagcgcc ttgacgaggc cctcgtgcgt  300
ccgggacgag tggacatgac agtacgtata ggcgaaactca ctcgctacca ggctacctgt  360
ttctgggagc ggttctacgg cgacttggac tcgaccgggt cctacaagca agcgtttctc  420
gaacggctct atgaattagg tcttattgaa aatgagaacg gcgagagact cgacccgccg  480
cagagcacag actgccgcgc tacagggctt gttcttgat aataaaggaa atatgcaggg  540
gctatcgcaa tggccgaagg actgacttac cggattcagg aataggctga gcttagtcct  600
ggattatttg tatattatgt gacctgaagc agatagactg cttgatagag tcacgagtga  660
acaatgtagt ataatatgaa cctcgtcac ggaggaataa ctccaacact ccttcacttt  720
taccttcaac ccaaccaccc cacctttatc atgtcatcat catcatcaat tcaccccaga  780
tcagcttgca tcttctgtta ttggaagaag ttgaaccaag tacagtctgt gcatgatgca  840
gcaattgaac cctcgaccag ttgaaccaat cctatctgaa gtccattctt cataagccat  900
gcatacgcat acggcccctc attacatgac ctacgacctt tccattgttc agcgcttggg  960
taacagcaaa tcagcatctc agtttttagct ctctctaagc gctgtagctg tgaagaaccg 1020
cctgctgtg attgggaccg acagctctcc gactgaccat cgagggtgtcg cgttaagcgc 1080
cggcgtgggc tctcaggaac aacatgcagg ccatctgctc atccttcaca tctgcaagag 1140
cctctcaccg ttgagaccct gattctccat cgaaataagt ttgtgacgat tcttgagcca 1200
agacatggct ggcacgcacc ttgtaaaacc ggccggagtc ggacttcgcg cataacgata 1260
ttgatataca tatagccatg gctggatttc tctgccttct gggtaaatgt cgctccgagt 1320
cagactccta atacttcctc tactcttgcc attcctgcct cattgattga gtcgccaatc 1380
catggtctac gtaccgaaac gactgttgtg catgtgcatt taagaggttg cattaactcc 1440
tgcgccatag catcaagcgg gtctgtttg tgagctcagt caaactgagc ccgtagtcat 1500

```

gagcagctgt caatttcagt tgtttccacc ccccgcccc caggggggttc ccaagaatcc 1560
 ttttcggcga ggcccc 1576

<210> 20510
 <211> 1581
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20510

cccgtctca tctttgtgcc taaccggaag caaaccgcg ctactgcat tgatcttttg 60
 acagcatgtt ctattgacga cgacgaagac cggttccttc atgccgacat cgaggagctg 120
 caaccgttac ttggccgctt ccatgagcgt accctggcgg agtcgctctc acatgggtatt 180
 gggactacc atgaggcttt gactcagact gacaagcgca ttgtttccca tctctacaac 240
 atcgggtgcaa tccaagttgt catcgccctca cgagatgtct gctgggaact caacctcacc 300
 ggacaccttg tggttgtcat gggcactcag ttcttcgagg gccgtgagca tcgctatata 360
 gactacccaa taagcgagat tctccaaatg ttcggcaagg cttctcgccc cggtcaggac 420
 aaagttggcc gaggtgttct tatgggtccc acggtcaaac gcgagtacta taagaagttc 480
 ctcaacgagg cgttgccggt ggagagtcac ttacagctct acatgcacga tgccttcggt 540
 accgagatca gccaggggac aattgcctcc actcaagatt ccgttgactg gttgacgtac 600
 atttactttt accgcccgtt tctagccaac cccagcttct atgggtctcac ggatataagc 660
 cactgagggtc tgagtacatt cctttctgag ttggtagaga acaccttgaa ggagctgtct 720
 gaggccaaga tcattgatct ggatgaagag gatgacagtg tttcacctct gaacgctgca 780
 tcgatcggcg cgtactacaa catttcatac atcaccatgc agaccttcct cctttctctg 840
 tctgcccga cgaactcaa gggcattttg gagattgtca cagcggcgac cgaatttgag 900
 tctgtccaga tgcgcgcga cgaagaacac atccttcgcc gactgtatga ccgctccct 960
 gtcaaaacgt cacaggctgc cttcgactca ccgcacttca aatcctttgt gctgcttcaa 1020
 gctcactttt cgcgcatgca gctgcctatt gatctggcga aagaccaaga agttattggt 1080
 agcaaggccc ttaaccttct cagtgcctgt gtggacatcc tcgcctcgga aggccacatg 1140
 aacgccatga atgccatgga aatgtcgcag atgggtggttc aggctatgtg ggatcgtgat 1200
 agccctctca agcaaattcc tcattttggc cctgaagcca tcaagggtgc caatgagtat 1260

aagtatgtta ctctgcttt atagtctaaa actcgttcta acatttgcac gattagtatc 1320
aacgatatct tcgagttcat ggatgcgatg gacccgtccg agaacaaaga ttacaatacc 1380
ctagttaagc gtctcaacct cgacaacaaa caattggcgc aggcagctgc gttcaccaac 1440
aacaagtacc ctatcctaga actcgacttt gaggtcgagg acccggaata cattactgcc 1500
ggtgaacctg cgtacctcaa aatcaagggt gagcgggagg tggatgagga tgaagagttt 1560
gacacgacag tgcacgcgc t 1581

<210> 20511
<211> 1588
<212> DNA
<213> Aspergillus nidulans
<400> 20511

gcagaaatga tcaaacgaga aaagctggaa gaggactata cagatgaata ctgggagaag 60
cgctatacta tccgcgacaa cgaagtgcct ccacaactcg atagcgtacg ggataaggtc 120
ctactggcag ggaaataacct gaatgtggtg cgagagtgtg gagggggtgga cgtcagcaaa 180
gcgggttaag atgttccgaa gacatttgat gatcctcgct ttctggagaa cgtcaacgct 240
gcttatacat atgccaatgc ctctttgctg aatcttctgt tgactaaaaa ctctctcact 300
acatgttccg ctcttataaa cactacttct tctcgatcg atctgatttc ttttctatt 360
tctcgagct tggagcgtcc gagcttcgca agccagcaa gaacgtgaac gaaagcaaac 420
tacaatctct ccttgattta gtctgcgcc aaccaggcag cattgcggcg caggacccat 480
tcaaggaaga tgtcaaagtc cggatgaaca agatcggact caccaaattg cttatgcagg 540
ttgttagcgt ctccggtata gatcaggata acccagaagc cgctctggaa aagtaccaag 600
caccgcaagc aggcagcgag gatgacaagg atattgttgg atttgatgcc ctggagctcg 660
actacactgt acccttcccg ctttccctcg ttattagtcg caagacagtc ctccgtacc 720
aactcatctt tcgacaccta ctctcgctcc gtcactgga atccatgctc tcatccgcct 780
ggttagacca gagcaaaatc ctgggatggc gccacaaatc aactgaccga aggctagagc 840
tctggaaaag gcgcgcttgg aaccttcgag cgaagatgct agtctttata cagcagttac 900
tctatttttg tacggctgaa gtagtcgaac cgaactgcaa agccttatgg accgcgtgaa 960
cggtagcgac gctgatggat cagaagtcac cgtcaacggc accaagcagg tcaaccggac 1020

agtggacgaa ctcatgcagg accacgtgga tttcctggat acttgtttaa aagagtgcac 1080
 ctgacgcagg ctaaactgct aaaggtatat tgcagacta tcccaccatt ccttctcagt 1140
 gctgacaggc gtgcctttt agatccattc aaaactccta acctgctgca caatgttcgc 1200
 ctcttggaac gcagcaccac ttggccgcgc cctcatctca gccgaccag gactcagcgc 1260
 gaacctgct acttctgacg gacgaggcta cgacctgcg cggattggga agctcgagga 1320
 cacattaaaa cgatatgaag atcatttttg tgcctatctt cggattctta tggataggta 1380
 agctagctta cactgctctc tcattctctc ttcaggtaa cgctctgata ttcattgttcg 1440
 acctagcttg aattacttcg cggcaactga aagcgtcgta ttgctgaaac tagcgcacgc 1500
 tctaagctct atcagcaagg aagactgagt caatcacaag ctttcggtat ccagcagggc 1560
 cagtatagat gatgcactta tcacttta 1588

<210> 20512
 <211> 1592
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20512
 tcacagggac aagagccaca gagctcagtc caaacgtttg aaccgattgc tgagaatgca 60
 gtcacccaag caaagcaaag gtggaacgat cctccaatca acaaattggc tcttttagct 120
 acgtttgtca gtttcgcggt cgtagggggc agcgacggcg tctatggagt gagcttttcc 180
 cgttcggatc cccagaaaaa ccggctaattg acttctctcg caggcacttg tgccatatgt 240
 aagcgtcgaa tcgaattcaa atcccgtcgc cgacaaggat gctgacgttg aatagcttcg 300
 tgatgactat aagctgtcta ccacggtcgt ctctttgatt ttcattgacc cgtttgccgg 360
 atacacgac gcaactctca ttgtcaacaa aatccacatg acgttggggc agcgaggat 420
 tgccattatt ggtcccctat gccatatcat cccgttcgta attatggcca ttcgcccgc 480
 ctggccggtc atgttggttg tctacgtaat tgtgggcttg gggaatggcc tcattgatgc 540
 cgcattgaa tcttggttg cagacatggt taatgcgaac accatgatgg ggtttctcgg 600
 tgctttctat gggcttgggt acgttgataa tgtgcaagg ctaccaatgg cactgacc 660
 acggcacagg gcaaccctga gcccaacaat cgcaacgcag atgatcaaat ccggcctcca 720
 ctggaattac ttttattata cactgcttgg tggctctgtc ctggagtga cgacgagtgc 780

cgttttgttc tggggagaga atgCGgctag cttccgagag aaaacacgca ggagtgctag 840
 tagcagtggc ggaaacagaa ctacagaggc aatgaaaagt cgcgttacct ggatgatagc 900
 cttctggctg tttatctaca tgggtgccga aggtgggatg ctctggcttt atcctaggag 960
 tgaatggttt tctgacgggt ggatttgata gtgtctgtgg gtggctgggt cgtcgatttt 1020
 atggccagg ctcgcaacgg acagccattc gagtctggtc taattccac gggcttctgg 1080
 gctggcgta ctattggccg acttttactc ggctgggtga acgactggct aggcattgta 1140
 tgcactctac gtatccaatg cacgaatgct gactgagaat gaaggagaac ggattgcgat 1200
 cagtatctat cttgtgatct caatagctct ggaacttata ttttggctcg taccgaagtt 1260
 tgcgtttct gctgttgctg tctcgctgct tggcttcttc actgggcttc tctttcctgc 1320
 ggcaattgta gtggctgcga agctgcttcc gaagcatcta catactccag gcattggact 1380
 tgcgtcagca ttggctgggtg gtgggtgcagc aatgtgagtt tactctgtct gttaatactt 1440
 tataaaccag tgatttagac atttggctaa tataatgctc tctgtatctg cgcatagact 1500
 gccgtttgtt gccggtgctt tatctggggc gcgcggagtg caaagtctac aaccatttat 1560
 tcttgcttta ctaatcacct taacaatcgt ct 1592

<210> 20513
 <211> 1595
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20513

tgccctaacc ccgtgataag tgctatacct taccagctc tcacgaagat gacttttatg 60
 ggcctgggtg gttcatcttt ggccacggct cgaatttgca tgatcctcat tccagccttc 120
 ctctattcg gctacaacca gtccaacctt gggggcgctg tggattatcc ctcttcacc 180
 cggaacttcc ccagcatcga tacgagcaac accaaggag cagtcaaaga ccacaatgcc 240
 actgtccaag gtaatcaata tcagtctcct attctcctct tacgtttgct tttatgtttg 300
 ctgcagccc tatccacatt cagttactta ccaaccgct cttctctagg cactatcgtc 360
 gctgtctaca ccctcggctg tcttggtggc tccctggggg tcaactcaact cggcaaccgg 420
 atcggtcgtc gcaaaccct catcgtgtca gcagttgtag ctacagtggg cctggtcata 480
 caagttcat catacagcct gggccaactc gttgttggtc ggctcgtctc tggcgcaggt 540

aatggcggcg tcaatgcgat cgtccccgtc tggcagagcg agtgcaccca gccgaaaagc 600
cgcggcaaga acgtgggtcat cgtcgggtgtg tttattgccg gtggtatagc ggcgggccggc 660
tgggttaatg tagggctttc ctatctggaa gaaagcgagg tggcatggcg tttgcctctg 720
gccataccaa tcctcttcac gctccactc atgactctga ccatgacctt tcccagatca 780
cctcgatggc tcatcagcaa cgggcgcagg gaggaagctc atgctgccat atgggcgctc 840
accgggcgcg aggagtccac tgctgagatg caagagttgg aacgcgtcct acaacaaacg 900
cccacccagg aacgggggttt catggatctg ctcataccag gaccccaacg tctcttttac 960
aggctctgtc tcgctgtcgg tatcaacttc tgtgctcaga tgaccggcgc taatgtcatc 1020
tcctactacg gcaagaccat tttccgcgac tccttgggccc tctcgggtga caaggcatcg 1080
ctcctcaacg cgggcgtcct gacctggaag atcttcgctg cgatatcggc atacttatcc 1140
gttgatcgct ttggccgcaa gccctctttt atcaccgcct gtctagggat gggctctctcc 1200
atggctggtc tggctgggac cgtctgggcg atcgagaacc gaccgggac tacgctcggc 1260
gcatctgtcg cagcgacctt ctctctcttc ctgttcatga ccttcttccc ccttggcttc 1320
ctaggcgcaa acttctcctc cggtagtgag attgcaccac aggatctgcg tgtgcatctt 1380
gccgctgtcg gcacggcagc gcattggctt ttcaactttg tgatcgcaga aatcaccccc 1440
gttgccctca caacgatcaa gtaccggtac tatattgttt atgcagtaat cggcgtctcc 1500
gcctcgatca tggatatactt cttttgccca gagacaaaag gtcgctccct agaagagatg 1560
gatagtctct tctctgagcc cgaggcatgg tggaa 1595

<210> 20514
<211> 1599
<212> DNA
<213> *Aspergillus nidulans*

<400> 20514

tcacaatggc ctcttgggag gaatttgacg cgatattcta cttcaataaa aacttcacat 60
atgatggcaa gggtattgaa cagatcctct ctaaccgccg tgcgctagac aaccgactct 120
tcgccgacag gttacttgag ctgctcgggtg ttcaagcagg tactctcttg tctgttggtt 180
tctgcatagt ttcaattgct aatatctcaa attttcagtt accaagctat atcccccaat 240
ttcaaattct gaccttcgta ccctcatccg ccacattgta tcctctgagc tcgatgcccc 300

ccagaaacaa agcttaattt actatatacct aaaggactgc cgagctccta gcgatgtcgc 360
tgctcaattt gcacgacgat gccatctacc agaaaagtac aggttggtta tagagggact 420
ttggaacctt gaccgactgg aattcaaggt attcattttt tatttccttt ttcaggactg 480
ccgtttgtca gacagcagga tgctaataa ggcatagcgc gcaattgagt atctcagcga 540
accttccatt atcccaacat ttctgatga gattctttac gcccttacc ttcgcatct 600
tcccagacat gacgacagcc tcgtcatggc ctactatctc acagtcaacc cccctttaac 660
ctcggagaaa gctcagagag cgtttatgga aacactgtgt cgtgctagca ttacagaggc 720
tttctatttc acccgaaaac atcacgaggc tctccgtcaa gcttatctta cacagctcat 780
tgagttgtc catagaacag acgcaggcca gatgagaagc agacgcgcta tggaactgat 840
cgggtcttct tttgatgacc aagaggagca gtggtttgag gatgctttgc ttcgtggaag 900
cgcaaaaaca ctgcatggtg cgaaggacac ggtaatggcg cggcgctcg ctactgggaa 960
agtagcaggg ctgtctgcag agctggaatc tttggacgga aaaaagatag atggcttgaa 1020
ttgggacttg ctcaagcaaa gcatgaaacc tcctctaaat tcagccgaca gaggccaatc 1080
ccaatgataa atgaaatgaa cagtgaatgg taatgatagt gttatttgaa gcggggcgttg 1140
gctgggattt tgcattatct tctcgtggac catgtaataa aggcgcaagg tggtttgaaa 1200
tgttacagct gtcaattctt gagagcaagc aactttccca tctttcgggc ctccatcacc 1260
agtttgcttg agcaagaggt atcataattg aagggcattg gtttggttggt attgaaaaca 1320
atcgtgatag tactacagaa taagtcgtat tgaaattacc gatattttac aattggctcc 1380
agcattgcgc gccatgtga cgtacgttac cgtcacataa acctatgagc tgttcatcat 1440
cgaaggactt taatcaagcc tcattttgag aggatcgctg agactttgac actcacaat 1500
attgaaagcc tcggaagcat tgaaagcatt ggattttagt ctttctgaga tcttgaatgg 1560
ccactgactc caaagcgaac tttgatggaa atcctgcga 1599

<210> 20515
<211> 1601
<212> DNA
<213> *Aspergillus nidulans*
<400> 20515

tcagcccaaa ggtccaggtc aaggtcagcc tcagtctcag cagcaagggc aatctcaggg 60

ccatgtcaac ggtcaaagtc ctgttcagaa acctactctg cccctgggc ataccaag 120
 cgcttctcaa aaccagggtc cacaacaaca gcagccgcaa caaccgcaag ggcagcagaa 180
 tctccaggta cctggacagc aacctcagcc tgcacagcag aatccagccg ctggagcgga 240
 gccgaaaaag gaaccactga agaaaccttg ggagtactct gacgagatca tgtctggcct 300
 taagaccgcg tttcccttgc tcgctttgtc aatgcagact atggtggatc aaatccacaa 360
 gaatttcaag tgcccgcccg atgaggatgc gtaccgcctg atcgtggcgc tgttgaacga 420
 tggctctggct tatgttggcc gcatgcctgg ctctacgcc caggacttca agctgcctgc 480
 ggcgacggaa gctaacataa cccgcttcgc tgagaccatc cttcccgcctc atattcgga 540
 atcttttgag gccgactttg tcgtcaggaa gccaacatg tacgaatata ttcagaaact 600
 ccgacgctgg cgggacaagt tcgaggaaaa actcgatcga cgaccccaga ttcagttctt 660
 ggaaacctac tccccgcacc tcagtgaatt ccgcttcctc aagtttgatg aggttgagat 720
 cccaggctcag tatctacagc acaaggacaa gaaccaggac ttcattcgca tcgatcgctt 780
 cttgcctgac atagatttgg tccgcggcat tgggtgtctgc caccgtcggc tgaagattcg 840
 cggtcacgac ggcagtgttc atccttttgc tgtccaacat cctgccgcctc gacactgccg 900
 gcgcgaggag cgaattctgc aattgttccg catcttcaat ggagtgttgg gcaagcgcaa 960
 ggagagtcgt cggcgaaacc tcaatttcca cctgcctctc atggttcctt tggctcctca 1020
 tatccgcttg gttcgcgacg acccttcgta tatctccatg caagggatct acgaggatta 1080
 ctgccgacga attggcatca acaaggacga gcctgtcctt ttcacaatgg agaagatgag 1140
 ggctttggca gagacaaaac aaaatgtaag tgcattgctg aactgattt caacggcaac 1200
 tgatgattct agcgtaccac cgaacagcag caggttctca gaaccgaaat gctcacggct 1260
 atccaagaaa aatgggttcc tccgacgatg gtgctggact acttccagaa gatctatcca 1320
 aacttctcgg acttctggct tttccgacgc cagttcgctt atcaatatgc ggctcttgca 1380
 ttcattgacct atatgatgca catgggcaac cggtagccta acaaaatcat gatctcacgc 1440
 tcgactggtg acatctgggg ctctgaactc attccatta tcaaccgaa caaggcggtc 1500
 ttctttaacc cggagcaggt gcctttccgc cttacaccaa acatccagac gctcatggga 1560
 ccaattgcca cagaaggctc ctttgccctgc gcaatcatgg c 1601

<210> 20516
 <211> 1612
 <212> DNA
 <213> Aspergillus nidulans

<400> 20516

```

gtgagcgcgga gtccgcccta gaagaagagt ttgatgtaga tgaatatcat cgccggcgtg 60
aagagcgaaa gaagaagaaa aaagaaagac ggtcgaagca ggcagatgaa caggaattga 120
gcccgtgta tcttcccgag ttcacacagc tcagcaattt tgccgatgtc gttggcatgc 180
ggccagcaca gtcgttgaa cggatggagg aaatgggttt cgaggatgtt tcatacagcc 240
atgttcttga cgccgagaca gctggcttga tcgctgccga atttggttac gaggctatcg 300
tcgacactgg agccgagcag gacctcacag ctgcaccgga gccagaggac aaatctatat 360
ggcgtctag acccccggtt gtcaccatca tgggccatgt ggatcacggc aagactacta 420
tccttgattg gctacgaag tcttccgttg tcgcatcaga gcatggaggg atcactcagc 480
acattggagc attttccgtc accatgccgt ctggtaaaaa gataacattc ctggacaccc 540
ccggccacgc ggcctttctc gatatgcgcc gacgtggcgc tgatgtgaca gatattgtgg 600
tgctcgtggt agctgccgat gacagcgtca agccgcagac ggtggaagcc atcaaacatg 660
ccacaagcgc caaggtccct attattgtgg ctatgagcaa aattgacaag gaaggataaa 720
accctgagag ggtcaaaca gacctctcat ctacaggat ccacgtggaa gactatggtg 780
gtgatgtcca ggcgattggt gtaagtggga aaactggcca aggaatgcta gagcttgaag 840
aagccattat cactctttct gaggttttgg accacagagc cgacccggat ggcttcgttg 900
aaggatgggt tatcgaggcc tccacgaaga gttatggtcg cgtggcaacc gtgctcatca 960
gacgcggcac ctttcgacct ggagacattc ttgtcgccgg caacacctgg gcccggtgcc 1020
gtacgcttag aaacgaggcc ggcgtttcta tttccgaggc cactcccggc atgccagttg 1080
aaatagatgg ctggagagaa aaccaaccg cgggcacgga gcttctgcaa gcagaagacg 1140
agcagcacgc taaggatgtc gtggaatacc gagtcgagag ggaagagact cagaggctgg 1200
gtcaagatac ggcagccatc aacgaggccc gccgtgacat gattgagaag cgacggaaaag 1260
aagcttccga agaggaagag ctgacggaag agaaattatc tgggtccaaa ccaatcaatt 1320
ttgtggtcaa ggcggacgtc cacggttcag cggaggctgt tgagaactca ataacagcta 1380
ttggaacaaa cgaggatat gctaaagtgc ttcgttctga agttggacct atcagcgagt 1440

```

cagatattga gcttgccgcc gctgccaacg gccatatcgt ctgcttcaac atgcctattg 1500
acacgaccat gagtcggatg gcacagaacc tcggtgtcaa tatcatggat cataatatta 1560
tctacaaact cgtggatgat gtcaaagata ctctgagcga gcagctggct cc 1612

<210> 20517
<211> 1649
<212> DNA
<213> Aspergillus nidulans
<400> 20517

tcacctgcgt tctcggcttg gggtcatact taatcttagt tgatttcccc gagcaatcac 60
ccaattcatg gcacttcctc aacgagtcg aagccacgta tattattgcc agtatcgaaa 120
acgaccgatc agatgtctat gcggaaccgt tcacattgaa gggttacctc cgtaacacca 180
aggatagcaa ggtctggctg tatgctatcc ttacatgct aaccacaaca aatacgtact 240
cgattgcgta ctttcttccg atcatcctgc aggatagcat gggattctct gtcgtcaagg 300
cacagtgcct tgtcgcgccg ccgtatgttg ccgctgcaat agtgatgttt atccaaggcg 360
tcgttgctga taagtggcga atccgagggc caattgtggc tatcaatgct gcgatgggat 420
tgctgggctt gggactactc cggttatctg gataatccag cgccccgtta cttcggagtc 480
tttctggcta ccattggagg tatgtgatga cctgtactgg taaggatgat actgaatgct 540
ttaggcaacg ccaactgccc cgctcttgta tcatggcaga ggtaaaactcc tcctttccct 600
agcattgaaa acaacagcta agcctctttc agcaataata ttcgcgggca gtggaaacga 660
gccctaacgt cggcaacttt gatcggcggg ggcagcattg gaggcattct cggaaccacc 720
gtctttcgtg cccaagacgc gccgaactac cgtcccggcc tgttgacaac catgttggca 780
aatgcaatca tgattctgat tgtgggtgtg ttaacattga agttttatcg tgccaataaa 840
cgggttgatg ctgggggaaa gccggttgag ggattggctg gattcaaata tacgctttga 900
ccttctaagc caaggggtaa tttggcaacc gtcaaaagat attcggcagt tgagaattgc 960
gaccataccg taggataaat ggttttgtgc cttaatggat agagttagac ggattgatag 1020
tcagtactaa atggctatac aatgacagat atatgacagc agttcatttg catagtttca 1080
ggtttagtac caccggtcgg aaaggctcag cggcagattc ggaaagtcca aataacagat 1140
tctctcggag attacggatt agtcccacag gaatgcggac ctccatctat tggttggttag 1200

tgattataca tcattgttga tcaggttcac tctagcaata cagcagaact gagtgggcca 1260
 tgaagggtaa cgtattggac gaagccagga acaggagcg gtcaagaata gaacatgttt 1320
 tagcacagcc agggccttgc ggtcaacgcc tttaggcttc gccgcttggc aaaaatcatc 1380
 tagcgccaca taaagaggaa aaagaaatac ttccgatgcg gggaatcgaa ccccgagctg 1440
 ccgtgtgaga gacggcgatg ttaaccatta caccacatcg gattgttgtt gaaactagct 1500
 ttttaacttg gaaatatata ccagaaacat tgaatacatg tccagattgg ctgcaaaact 1560
 tctcaagtaa catcacggat atcagagaag agtcctctag tcttgacata ccagtgagcg 1620
 ataagcaggt aaatgtaatt catatgttc 1649

<210> 20518
 <211> 1652
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20518

cgtcaccggt gtcgggaagg gtacaaaatt cctcaatgat ttcttaggat gcacaaagac 60
 gtacgagacg gttgtaatct tcggcgacga gacggactcg tatgaccggt tggggaagat 120
 tgttcggcga gcaccctatg agcatattac tcgcgaagcg gtcgagaaag cacttgagca 180
 gttccgtggg aagattatgc agcgcccgcc tattttctct gcgctcaagg tacaggggaa 240
 gaaactgtac gaatatgcta gggaaggtaa agagccgccc attgagatcc agtctaggcc 300
 cgttgaggtt actgatttaa gaatcgtgga gtggtatgag cccgggacgc atgagtatac 360
 gtggcctgag gaggaggctc ccgcgatga gagggtgtt gcggaaaagt tggtggcgaa 420
 ggatgattcc cttcctattg ttccggccgc agatgatgct gatggttctt cgaaacgcaa 480
 atgcctccg gcagagggat ccgaaggcaa cgaaacgact gcttcaaatg ctgcagcgaa 540
 gaagcagaag gtgtccgctg aaggcgagggc agcatcggt cccgagcaga ccaaagcccc 600
 agaagctgtg gaggaagcta ccacaaagac gaaacctgaa tctgcagaag aaatgaaacc 660
 cctagcaccg ccacctgcag tcaaaattac catgactgtc tcctctggtt tctacgtccg 720
 ctctttggcg catgatctag gcaaggcttt gggtagctgt ggtctcatga gcgcgctcgt 780
 ccgatcccg caagcagact acaccctgga gccagataaa attttggagt acaaggacct 840
 cgacgccgga gaagaggtct ggggtcccaa agtcaagggc ttccttgaag aatgggagag 900

aaagagagct gcagaaaaac gctcaaatta gatagataat tgtgctgaac tccatgatgc 960
 aaaatataat tgagggtata gaaatattca atacggttat aaccctctaa gcaaactgct 1020
 agcactggct ggcgtacaag tttgactcgt gatccattca tttcgaaac tgtcgagcag 1080
 aaaagaaagt taaatttgaa tagtaaatga cgcctcagat gcagtgtcaa gagagagata 1140
 gccggtaaga tgacaaaagg aaaatcgttt tgagagggta taccgctgga aacatgcatg 1200
 atagggaaag aagccaaggt agtggtgaaa gagaacgaat gcatggattt gagatttttag 1260
 atcggaagaa atgtaagtga atgttattga acggagttat ttcgacgcaa gtcgcctgat 1320
 gagtgctatg ggcgttgaca agagctatat caattagtcc tctgtgcatg ttagatatat 1380
 ggtgctatat cttactttgg agaacaaacg cctgcccttg ccttgattcg cacgcgcatt 1440
 gaagagtgct cccgtctaca aagtccaaca agatactggt ggagagctct tgccgttcct 1500
 cgtcaggatg gcatggagtt ttgaactcag tcagggtgga tcgtttgacc atgttgcgat 1560
 tacttgaatc gacgttacct ggagtcaaga ctaaaaagcc ttgggtgtca attcggatga 1620
 acgccgtttc aaagaagggt acaggaactg ga 1652

<210> 20519
 <211> 1656
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20519

ggccgctttt ggtattttct tccggggtat ttgtttaccg ctcttagtat gttcagcttc 60
 gtgtgctgga tagcaccaac aaatgtcgtg gtcaatcagc ttttcgggca gaaaaccgga 120
 ttgggaatgt cgcttttgac cttggattgg tctcaagttg tcttcgcaa cgacagccct 180
 ctctagtcc ctttctgggc aggtttaaac gttatgggat cgtttgcct tttcttctgg 240
 attctggttc ctatcatcta ttatacgaac acatgggtatt ccgcttacct gccgcttctg 300
 gactccaaca ccttcgataa cactggtcgc atgtacgata cgcgccgtgt aatgaacatt 360
 aacaatggca cagtcaacgt ggaggcttac cgaaactact ctccgatgtt catacccgcc 420
 gggtttgccg tcacatatgg cgtggcattt gccaatctca ccgggatatt cgttcacaca 480
 gcactatacc atggaaagga cctacttcag caatggagtg gtcgacacaa aaaagatatc 540
 cattctcgac ttatgcaatc atatacccca gtaccctggg ggtgggttgg tgcagtaagc 600

cttctgatgt tcatactcag tattgtgaac aatgaggtat gggaaacgcg cctgccggcc 660
 tggggcgctcc ttcttgccctt cgtgttgccg ataatatatt tcatccccgt gggcattatt 720
 aaagccttga cgaacattac gagtaaccaa ctgaatctaa tcaactgaatt tatcgggtggg 780
 tatgcctttc tcgggaagcc tgtcgccaac atggccttca agttctacgg gtatgtgacg 840
 gtctcgcagg gactagagta agtaccaaca gtcaattatc atgtgtcccc aatgtctcta 900
 aatgcaattc cagatttgct gcagacatga aactggcgca ctacctccac attgcaccgc 960
 gcacctctt tttcgcgcag ggtctcgcta cactcattgg cgcaattgtg caatgcggtg 1020
 tcacggtatt catgctcacc cgtttcgaag gcactctgcac cccgcatgcg gacggcggct 1080
 tcacctgtcc gcacgggttta gtcacatttt cctcatctct gatctgggggt acgtagttaa 1140
 ttctacaacc tgatctatag acctctaact aattgtcatt accaaaccag gtgccttggg 1200
 cccgccccgc aacttcagcc caggtcaaat ctacgggaat ctctcttggg tcttcctcgc 1260
 cggctcctgtg gttgtcatta tcacgtacct tcttgggcgc cgctggaagg cagcaaacta 1320
 catatcttgg cccgtcgcat tcggcgcaat gagcatggtc ccgcctgcga cagggatcaa 1380
 cttttcgtca tgggtgggttg tcaatgttat cttcaacggg cttgtcaagc gcaaacggcc 1440
 agcttgggtg tcgaagtata gtacgtcatc tcttgcttca gtccttcttc aaaaatgtgt 1500
 acccggttaa cagtaccag actatgtcct cagcgcagcc ttagattcag gcgtcgctgt 1560
 ttccaccgtc gttatctttt tttgcatcat gctacctgct gggccgctga ggtgggtggg 1620
 gaacgaagtc ttcattgagaa cggccgatgg tcgtgg 1656

<210> 20520
 <211> 1666
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20520

ttcagtctcg caaagtgcc accaatatat gttcttccca cccatctaga ccttgacgcg 60
 ctccatcaaa ccgaggagac tttgatccag cacggcgcac gcctgacata cgatgttgca 120
 gaggtacat tgattctcgg caaggtcagg cagaagaagc gcgcggcgct ggagctgagg 180
 tcgagaggag tgtggacagg gaggtggaga gcacctctc acatacttca ggtccaccgg 240
 cgaaacggcg acggctagag agcggaagga atgggagtgc agtgagttaa atatacttga 300

gcacggagga tgagagtga gaagatggc gacggctcac ggcgcatctc gagcatccac 360
 agctgtcgga atcgaaaagg agtgaaagga cgagcgtgtc aaaactgcta agcaaagacg 420
 aaggggtgat tagagttgtg cgactggatt ggttggcgca atgcgctgag ggcgagacgc 480
 tcctaccact ggcttcgttt gttgtgtatc atgcgcgcaa gatcgagcga cctgcaacaa 540
 ggggcgatga tgagaccgca aactcacagg ctatccttga ccggggccaag caagacgcgc 600
 cattcaaagc cccgtttcct ccgtctacgg acaaacaatga caggggtggcc agccaccgcg 660
 cacctccaaa gttgtaccgg caaacaacat ccgaaaacga agaggcagag cccttaccac 720
 cgccaccaga atgggtccgc gacggcgtca tgtacgcctg catgcgggtcc tcattcctca 780
 acacccccaa caatgccttc attaacacgc tcgtcaagat ccgcacgata cgcgagctga 840
 acctcgacga gattgggggt cgcgcgctaca gcaactgtat cgcagcaata gcagcatacc 900
 cgtatgaaat cagacgcgga tcccagatcc tctccttgcc cggatgcgac agcaagatcg 960
 ctaacctctt tgttgaattc aaagctagcg agagtgttac ccttgctgca gccgaggcgc 1020
 tcgataaaga cccggacctg cgcaccttgc acacgttcta caacatatgg ggtgtgggct 1080
 cgaaaacagc acgagaattc ttctacgcca gacaatggcg cgatcttgat gatattgtcg 1140
 agcacgggtg gcaactgctc tcacgcgtgc agcaaactcg cgtcaagtac tacgatgaat 1200
 tccttctcga cattcccagg gaggaaccg aggctattgg caagatcata tgccagcatg 1260
 cgaactcggc ctctgtccgt ccgaccgcac agtacgacgg ccacgggtgtg gagtgtatca 1320
 tcgtgggcag ctaccgccgc ggcaaaccg tctccacga tgcgatata atccttagcc 1380
 accgcgacga agcgataacg cacaacctgg tcgttgacgt cgtcgcatcc ctagaatccg 1440
 agggctggat taccacacc ctagccctgc acctgacaac ttcaaacgt gaccagcaga 1500
 ctcttcctta ccgtggcgat gacgacgata gtaatcattt tgacagtttg gataaggcgc 1560
 ttgttgtctg gcagaccct aaagacaaac ttggctccgg tacacaggcg agcagtgcaa 1620
 ataccaaccc gcaccgccgt gtcgacatca tcgtctcccc atggcg 1666

<210> 20521
 <211> 1667
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20521

gtgccgtccc gcccttggtg cagccagccc cgcagcgcca atcggcaatg gccgagacca 60
 ggtatctaaa gcagtaggcc gacactttga gattgacggc aaagtgcagt actttgcggg 120
 tacgaactgc tgggtggttg gcaatttgct caatgatttc gaggtcgagc ttgctgtctc 180
 tcagattgcc gaagtacgcc tccaacatga cggatatcgg atcgagtact gatgatggca 240
 gaccgggtat aaagtcgtcc gaacctgggg cttcttcggc gtcaacgata catccaaccc 300
 cggccagcct gtctactacc aggtcctgaa tgaaagcttg tacgaggggtg gcttggggat 360
 caactacggg tctaattggc tgtctttcat actccttcgt tcacctgcaa tcaagcgcag 420
 ccctaacaga catctgaacg caggcatccg ccgcctcgac accgtgggtct ccctcgctga 480
 gagatacgac atccagctag tcctgacatt catgaacaac tggaacgact ttggcggaat 540
 aaacatctat agcaacgcat tcggcagcaa cgcgactacc tggtaacag acaagaaaag 600
 ccaaagggca taccgagagt acatcaaatt tatcgtcaat cggtaacaagg gctcttcgcg 660
 gattttcgcg tgggaactag gcaatgagcc ccgctgcaag ggggtgtgat catccgtcat 720
 atacaattgg gccaaagagc tcagcgcata catcaagaaa ttagacaaga agcatatggt 780
 tgcactcgga gacgagggct ggctctgtcc gcccgaggga gacgggacct atgcgtacga 840
 ttgctcagag ggagtcgact ttgtgaagaa cctcgagatc gagacgctcg actacggaac 900
 cttccacctc taccgggaat cctgggggta caactacagc tggggcagcg agtgggtgct 960
 gcagcacgac gccatcggga agaggttcaa caagcccgtc gtcttcgagg aatatgggac 1020
 tccgtcaac catacgcagc tcgagcggcc gtggcagctg acaacggtca aagagacgca 1080
 ggtggcgcca gactttatct ggcagtttg gactgtgctg ccggtggagg gaacggagtg 1140
 gggagatgtc aattccatct actatggaac ggaagagtac gaggttttg ccgtccagca 1200
 tgcgtgggag atggccagga agaaggtgcc gcggcactag agctagtgat aacagggtag 1260
 ttgctatcta atcaaagaca catctcagcc attattagag ttcaataagt ggaaaggaaa 1320
 agtttttcgc aagcagatcg cttcgggtaa gccgtgggta tagtatttcg gcgacttcag 1380
 cttgcaatth taaatcaact cccatcgccc attccctgcc gccagagacg cttagtagca 1440
 ggcattggac gcagagtacg atgccaatgg acatgagcgg cgcattgtga taactgagtt 1500
 ttccttgat ggtcagcccc gaacactaac ctttggaac cacgttggct ctaaagatat 1560
 ggacaaccgt ccaatttagc aacgttcagt cgcaggcttt gagccaacgg cgtgagaggc 1620

cgttatcatt ttgacggcct ggagaatcga gctttaccga ctgcacg

1667

<210> 20522

<211> 1670

<212> DNA

<213> *Aspergillus nidulans*

<400> 20522

tcacaaggga gcccagcaga gtacgttttt ttgagagcga tagactagac aaattgtcga 60
atataactga cgtggatggt tcagttcacc ctggcctttc caacgccacc cgttctcacg 120
tcggggcctc agcaaccgtt tccggctcta ctctcgtgc ccccgagggt gcgccattcg 180
actacgacgc cttctacaat gcagaactgc agaagaagca ccaggacaag tcgtatcggt 240
actttaacaa catcaaccgt ctcgctcagg aattcccccg cgctcatacg gcttcgaagg 300
atgagaaaagt gaccgtctgg tgctcgaacg actacctcgg catgggacgt aatcctgaag 360
ttctcgcgac catgcataag accctcgata cgtacggagc cggcgcggga ggaactcgta 420
acatttccgg gcacaatcaa catgccgtct cgctggagaa tactctggcc aaactccatg 480
gtaaagaagc tgcgctgggt ttcagctcgt gctttgtagc caacgacgct actttggcta 540
ctctcggcag caagatgcct gactgcgtca ttttgtcga ctcgctcaac cagcatcga 600
tgatccaggg tatccgccat tctggcgcga agaaaatggt cttcaagcac aacgatttgg 660
tcgacctcga gacgaagctc gcatctcttc ctctgcatgt tccaaagatc attgccttcg 720
aatcgggtgta cagtatgtgt ggctctattg ctccgatcga ggcgatttgt gatttggcgg 780
acaagtacgg agccattact ttcctagacg aggttcacgc cgtgggaatg tacggaccgc 840
acgggtgctgg agttgccgag catcttgact acgagatcta tgcttcgcag gacaccgcaa 900
accctctcag caccaaaggc actgtcatgg accggatcaa catcattacc ggtactcttg 960
gtaaagcgta cggatgcgtc ggtggttaca ttgctggctc tgccgcttta gttgacacca 1020
tccgctccct cgcccttggg tttattttca ccacttcct tctccagca accatggcgg 1080
gtgcggatac tgcaatccgg tatcaggcac gccaccagca ggaccgtatc ctgcagcagt 1140
tgcacactcg ggctgttaag caatcattca aggatttaga tatccccgtc atccctaacc 1200
cctctcacat cgtccctctt ctcgctcgtg atgccgagct cgccaagcag gcctcggaca 1260
agctccttga agagcacggc atctacgttc aagcaattaa ctacccacc gtgccacgcg 1320

gtgaagagcg cctccggatt acccccaccc ctggtcacac gcaagagctt cgtgaccacc 1380
 ttgtcgaagc agtcaacact gtctggaacg acctcggcat caagcgcgca agctactgga 1440
 aggcaatggg cggattcgtc ggtgttggcg tggaagctgc cgagctcgag aatcaaccca 1500
 tctggaccga cgcccagttg aatatgcgac ctgatgaaac cctcgaggct gcagttgaac 1560
 gcgagtttca ggccgcgggtt cctggcatga aagccggggg tgcaaaggcg aagcccgtcg 1620
 gctcaatcgc ggccaaccct atcgggtgcct caatcccagt cgcggctgct 1670

<210> 20523
 <211> 1677
 <212> DNA
 <213> Aspergillus nidulans

<400> 20523

gcctttcacc aggtcgtcat gccgattgcc caggagttga ccctgatttg gttataagta 60
 tgagatccgc tatccatcgt taagaacagt gaactaaca gtccgaagtt gcgtctgggt 120
 ttgatgctgc tgcgggagat acgcttggag gatgctttgt caccocggcg tgctatgctc 180
 atatgacgca tatgttgatg acgctggctc aaggcaaggt tgctgtttgc ttggagggtc 240
 gattgcgccg aaatatctat ctttcgagc ctaattgtag aaatacaggg tggctataat 300
 tttagggtcga tttcgaagtc tgctctcgct gttacgaaga cactcatggg aaatccgcct 360
 gaccgactat ccttcacctg cccttcagaa gcggccattt ctaccatacg gcgagtatcg 420
 tccatccagt ccgactactg gaagtgcatt tatccaagg caataaagaa tgaaggagtc 480
 tggactgata ggcttcacgg taggctagga agacatcaaa aattgcatgg ggactaatga 540
 agccgcagat atcattcgag cttaccaggc caagcagctc tatgacaact ataagctcac 600
 ctctctctat atctaccgca ctgctatata gaaatcattc gagaatcagg ttttggcaag 660
 gtaaacgcta tcaacaagag tgtagtatct taccatggct aaccctgga agtccaaatt 720
 acaatcaagc taccocgctt atagtcattt ttcattgatcc gtgagtatta cttctcgacg 780
 taaatgttct atataccgac agtgacaggc ctgagattat gggattgcca catccattaa 840
 ccaacaactt ggaggcgcac aactgctggc tagtaagtgc atcctgtctt gccctgcggc 900
 ggctgagctg acttagaaca aggctgatgt aatgaaggat tatgtccaat gggctgttgg 960
 caagggttac gctgtgattg acgtaaatat tcctaaacat gtcacaactg aacctgtgag 1020

tctatctaga cccgaaatga tctagattcc ccattctgac aatccattag tcatcaggca 1080
 gggttcgagga agaagacgag aatcgaccga cagcgacgga agaactggcc ggggtatttgt 1140
 gggataatta catcgagtaa gctcgggatc ccaaaagttt ggcctcgaga ctgacctggc 1200
 gccctagccc aaatgaagca accgagatat tctcgttgg tattggaaat gctttctatg 1260
 gagttgcaa cctcttaatc aatagaggta ggtgattgtg catagcaacc acagaaaggc 1320
 agctaaccg tgtatagaaa ccctttacca gcgagttaac ggtgtcattt cattcgttgc 1380
 taaagacca gtccgtgcag tggcctcgca tactcaagtc tggttatcca gatggtaccg 1440
 agatgtaagt agtcttaccg tcgttcgtct agtacaaaat cctgactcca acagaactca 1500
 ctcgtttttg tctcaaaggc gcatggtgtc tggaagagtg accgcaaggc aaccaagcgc 1560
 tatgggaaac ttattcagtc atccaggga ggacttagtg acatgcttat gcaccacaaa 1620
 gatgaggttt tccaatggat cgaagatcgt attgagcctg agagcgagga gacggag 1677

<210> 20524
 <211> 1681
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20524

ggtcgtacgt cacgctcaaa tccaactctg gtcttgtatt tgggtgttacc gagctatgca 60
 ccggcctaag cacggtattt cttgatcagg gctactggca gcgagccatc gccagtcggc 120
 ccaccaccgc tgtccggggc tatatcatgg gcggcttgtc ctggtttgca atcccccttg 180
 gattcgcaac caccctgggt cttgccgctg tagcgttaac gaacaacccc cggttcccga 240
 cttacccgaa caatatgaca agcagtcaga tctcagcagg tctcgcggct ccatttggcg 300
 ccacagccct tgccgggaag ggcggtgcga ctgccttgc tttgacactg ttcattggcg 360
 tcacctctc cgctcgtct caactcatcg ccgtatcgtc gatcctgaca ttcgacattt 420
 aaaaaaccta cctcaagccc aaggccactc ctcaacagct catcttcgtc tcccatataa 480
 tgatctgcat cttcggcgtg gttatggcgt gcgttgctg cctctggaac ggcattcgga 540
 tcgacctggg ctggctgttc ctggtaatgg gtctcttgat tggcgggtgc gtcttcccgg 600
 ctgcattcac catcctctgg aaaggacaga cggcctagg tgctgtctgc ggtgcaattg 660
 gtggcctggc agctgggctg attgcctggc tgggtgaagc caaagtatac tatggcgaac 720

tcaccgtagc tacaacaggt gccaaactacc ccacattggc cgggaacatg gcgagcgtct 780
 tgactgggtct cattctcact gttggaatct ctctttctcaa accggatgac ttcaactggg 840
 aaaagacccg agctattaac gcgccagcta catataaccc ggaacccgtc atcgaatcta 900
 aacctcccat ggcgatcaag acgacgcgcg ttgaccaaaag tgagaaaaca gcgactctg 960
 cggtcatcga ggatccaaaa gctctacaga aaacattcgt catggccgtc gttgtatctg 1020
 ccgttctgtc gctgatcatg gacatcatta tccaattcc tatgtttctt agccattata 1080
 tcttctccaa gggcttcttt acggcgtggg tagtaatatc gtttctctgg gtatttgccg 1140
 cttttttcct ctgtgggatt ttgccagtcg ttgagacgag gcgattctgg gggatgctgt 1200
 ttaagaggat gtttggaag aaagtgggtct tggatgcgca agtgcagcag ggacagagtt 1260
 ctgaagacga cgcgcaacgc gagcgaagga ctcaatagcc tagcagctgc caatggcaca 1320
 taagatgtct tctgcaagat agtgtattta cagaatatga gtttatcccc ttgatagccc 1380
 cgccactggc cgcaccatcg ttgtttcgtg gtaccagggt acaacctcgt agctattcag 1440
 ggctctgcag ccatgcttct catacagccc gcgaccgcc ggtgacgcgc aaatgaacgt 1500
 aataagccgt ctctcgtcag ccctgtggag accccatttc agcaatttgg ccccagccc 1560
 acgacgagcg aacgcagggt ctaccgagcg catgtaaaga cctgtgattt tatattagac 1620
 tgtccattca tccaattcat ttatttcgaa ggagtgggaa agacgtacaa taatgaggtt 1680
 g 1681

<210> 20525
 <211> 1696
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20525

cgtcattcac ctccatgtcc tgcattggcgc ctcggaatct gacaggacga cagccagcat 60
 cagtttcttc tctcagttc ttgtggcggt gttctcgggt ttcttttacc agggctctcc 120
 ctggagggtat tatctttatg gattctttcc gatatttttc tgggaggagg tgttcgctcg 180
 gagaaaggcc ttccacgcag ggcgtgagat acttctgggt catgtgcgct cagtgggaga 240
 tcatttctcg tttggattcc agctgctgct ttatgttgggt gtgttggagg cgctggtaag 300
 ttgtcttcta tctgaacggg aaacaatcac ttactcatga ttttataggt gcaactctac 360

ttccaaagag agatttacac tgtctgtttt attctcggag cattttggcc tgtcttctat 420
 gggcttgact tcttacaaaa gcatgcagca gtttgccgca catgggctgt tggctgcctt 480
 ctgatgagta cgtttactct gcttcagcc aacaaggctg aagatctga cacaatgtaa 540
 gtgtattttg gtctgcgtag ctggcacctg tctcacagaa tattacagaa cttatggtgg 600
 ggcgttcacg cttctcaccg gcttgctata cctgcttttt gaggacgaaa ttcttggcac 660
 tagtcaccag cccgcagctg tgtcccgaaa gggttcaagg aacatcatgg gattgcaggt 720
 acgataaacac gacggcctgg aattaaggat tgcgggggaa aggttgcaat gctgacgtct 780
 agtagcttgg tatggtcctg ctgcactga tcgtaacaag atcaagtga gcctcgctcc 840
 aagcgaacga aggtcttcca ttcggcaacc aggtagtcgg atggggcgctc ctgagtatga 900
 aacccaatct atcccatatc tctcatttcg tgacttgta actaaccgtg cttattagtt 960
 gcttcacttt tattgccgtt cgcccaccga ctatatcca atagccacta cttacatcgg 1020
 ctaatgatca tcttcctgac attctcaccg acctttataa tcttcacat atcttacgaa 1080
 gggtttattct actttgcatt ctgcatgacc ctggttactt ggggtccggtt ggagcatgct 1140
 acgtacgtct acaccgcgaa acctgtcgcc aagcaggcgc aggagaccat tgagccgccc 1200
 aaaaaagcaa acccggtgc cacaacagtt gtggatggcg aaacataccg cttccgcaca 1260
 ctcaccgttt cagatgcacg cgtagctttg ttctttttct tccttctgca atcggctttt 1320
 ttcagcactg gaaatatcgc ctgatctcc tccttctctt tggacagcgt gtaccgactc 1380
 attccggtgt tcaatccctt tagccagggc gcgttattaa tcctcaagct ccttatcccg 1440
 ttcgctatca ttagtgcgaa cctgggcac ctcaaccgtc gcctggaagt ggcacctagt 1500
 gccatattca tgggtggtgat ggccatttcc gatgtcatga ctttgaactt tttctacatg 1560
 gtccgggacg agggctcttg gctcgacatc ggaactacca tcagtcattt ctgcattgct 1620
 agtttctgt gcacgtttgt tgccggtctt gagttctcag cgaggtgttc atcagtggtg 1680
 tggactttgg actccg 1696

<210> 20526
 <211> 1698
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20526

tgttcggagc gcatgtctgt tgatgggaag acggttggtc cegttagatgt agcgacgctt 60
 cgtggcgagt tgcagaaggc ttgggtcaag gagagaccag aggctgtagc gatctcgttg 120
 ctgaattcgc acgcaaacag cgagcatgaa gacgtgggtt ctggcgtggg ccgcgaggtg 180
 ctgggatcta atatcacaat catctgctcg agcgatgttc ttcgcgaggt cgggaatac 240
 gaacgtaccg tgacgacttg caccaatgcg ctcacaaagc cegtgggttca gacgtatctc 300
 agcaatttgc agaccctgct cgcagaagat ggggacgtca ttcgcatctc caagtcagac 360
 ggcggactaa caagtctgga tctcgagggg cagctgcccg tgaatatcct catgtctggc 420
 cctgctgggg gcgtccaggg cgtcgagac gttgtaacgc gaaacactca atatagaaat 480
 ctaatcacct tcgacatggg tggaacctct acagacgtcg ccttggttta ccagggcaag 540
 ccccggtcc gccgtgagac agtcgtaggc gatctaactg tccgctcgcc cgctgtggat 600
 atacgaaccg ttggagccgg cggcggtcga atcggaagt atatgcacat ctcagaaaca 660
 ctgcgcgtcg gaccagaaag cgccggtgca acgcccggcc ctgcgtcgta caacaagggc 720
 ggcactgaag cgacagtgc cgacgcgaat ctcgtcctgg gttacttgcc ggataccctg 780
 ctgggaggag aattcacgct gaacgcgaag gctgcatggg cggctgtcga gcaaactcga 840
 aagcagatga atctgcctgt gacgcagaca gccgaggaca taaataatct ggtgaatgag 900
 accatgtacg gcgcctcg gctcgtctcc gtagagcagg gctatgaccc taaggacttt 960
 gcgcttggtg cgttgaggg cgccgggcct ctgcatgcc aacgtgtcgg caagctgctt 1020
 ggtgcctggc ctgtcattgt gcctcctttt cctggcacgc tctgcgccct gggcgatgca 1080
 actacaaggc tgagccactc gcagtcctcg tcgtttatac gtcaactggc ggcaacaacc 1140
 tcgcaggagg tgaaacgtcg ctttgaggaa ctggaaatgt tgtgcagaga gactatgctg 1200
 tcttcaaacg caaaccagga aatcccgtt gatatcacct accacatcga tctgcgtac 1260
 agcggtcagg ctctgaattt gacagtcgag ctggagcgag atgatctctc actggccgac 1320
 gaggaatgga ggaaggtcct gcagacaaa ttcgaccagc tccacgacca gcagttcaag 1380
 tactgcctcc ccaatttcaa gctggaattg atgcgtctcg aggtcgttgc tgttgatgcc 1440
 aggcctocca tcgactacc tcactcagc aaagctacgt caagcaaacc accggtcg 1500
 gccctagtgt cgacgaagac gattattgtg gaaggctcg agattgaggc ggcgctctgg 1560
 gaccgcgaga aagtgcgca gcagggggc cgctgaacg ggccatgcat catcactgaa 1620

acagacagca acactctgat tctgcctggc tactacggag aaatcgactc aattggaaat 1680
atcctcattc aaccggtg 1698

<210> 20527
<211> 1705
<212> DNA
<213> *Aspergillus nidulans*

<400> 20527

tcggttacaa tcattctttt tcatcctctt cggaaaaaat ctgatttgcc attgatcaat 60
cccggaaagg ggcgcatcgg tatactacga gggatcgcct cacggaagac atttaccaca 120
gagctaccga gattagtgtc agatgggctt tccaaggtac tcatctatcc tccaaatagt 180
agtaaccgct gagcccatag ataggcgagt gcctttcgga tcgcagcccc agatggagtc 240
aacatcgtag ttgctccatc gtatgcacat gagatcgcg agcatcctga cttgaacccc 300
ggcccaatcg ctggagacga gttcaattcc catattaatg gattcgaggt gtttgcacaa 360
ctgggaacca gtgatgtcat ctctgagtct gtgaggacga gactgaccgc gcagctgagt 420
aagtgttcgt cctagaatag cgtcacctca ttgcttctcg ccttcggatg aaccatattg 480
atataccaaa tctcttagca aaattgacgc cgcttctcac tagcgagact ccccttcttc 540
tacaatccca atggaaagat gcaccaggta tctagtccat cagtagtccg cccgcttttg 600
tcacacaacc tctactgata cctcgacta gactgggtgg aggtgagccc gcatgagacg 660
gctctgttta ttctgtcgcg gctctcttct ctctgtcttcg ttggcgatga cctcgggcgc 720
aaccgggatt ggatacgc atcctaacatca tacaacaccg aggcttttgc agcagccgaa 780
gagctcaacc tctggcctca gatacttga ccctcatcg cccgtctaaa accatcgtgc 840
cgccagcttc gtcgatatat ccgtgatgca cgtgcgcttc ttgtcccagt ccttgagcaa 900
cggcgccatg cccagagcca gggatgatga agggagtata acgacgcgat agaatggctc 960
gacgagacgt ctgcagtagc aggtcaaccc tatgatccta tattatccca aatgctcctt 1020
gccatcggct ctttccatac ctccagtgc ctctggggc aggtcctcct tgacctctgc 1080
atgagaccag attggaaagt tctggtcagg gagcttcgga aagaaatcat atcctcgcta 1140
cagggagagg ggtgggataa gatcgctttg aacaacctta aactgatgga cagtgtgctg 1200
aaagagtctc aacgtttaaa gccagcctca actggtgaagc ttcctctatc accctctttt 1260

cacaagttga tcccctcctt ttctaacctg gccatgcata cagtaacgat ggggcgatac 1320
gcctcgcgcg agatcacact ctgagacgga acaataatcc ccaaaggctc aacagtcttt 1380
atcgccaacg tggccatgcg agactccaat atctaccccg accctgatga tttcgttctt 1440
gaccgtttta ccactcggcg tgaaaagggc gatagtcccg cctacctggt ttcggcttcc 1500
ccagaacatc taggcttttg ccttggtcga cagcgtgcc ctggaagatt ctttgccgcc 1560
aacgagctga agattgtctt gtcccatatg cttatgaaat acgacattaa acttcctgat 1620
aatggcgcgg ttgcaccag caagtcgggg atcttcttag ccacgaatcc cgatgctagg 1680
atctgtgtcc gccgaaggaa ggagg 1705

<210> 20528
<211> 1709
<212> DNA
<213> *Aspergillus nidulans*
<400> 20528

ccattttact ata'ccttcca ggctaacaag tcccagtcag aattctaccc cgtccagatg 60
actgtctcaa aaggcgagcc tcttccatcc cttttctcga ccttgatga gagcttccac 120
gccaatcttc gccgatccgt caaccacgcc ttctcaatgt cctccctcgt tcaatacgag 180
ccaatggtca accaaacagt cgagctcttt ttagatcaaa cagcagcttt attcgctaatt 240
tctggcaaga catgcgattt tgcacgctgg ctccagtttt ttgcgttcga cgtcatcggc 300
agcattacgt atagcaaacg gcacgggttt atagagaaga acgaagacat cgacgggatt 360
ctgaaatcac tcgctcgat ctttgactac gcaggccccg tcggtcaaatt gccctggctt 420
gataaatggc tctggaagaa tccgatttat gatgttttgc agagatgggg gattgaggat 480
aactcgcacc ctgtggctat atttgcgcga cagcgcata atgagcgttt gatggctgat 540
aatggcacca gaacagaggg cgagcaacag caagacctgc tcacgaaatt tatccaagcc 600
ggcaaagacc gcccgactt catgacggag aaacgcgttc tcacaatggc cgtctctatg 660
gcctttgccg gctccgagac gacagctatc agtctcgccg ctgttttcta ttacctgctc 720
aagaatcccg agtacatggc gcgtctccga ggcaactgg acaacgcgtt ggctcacgga 780
atagtggaaa accggctctc aggttttagtt acctggtccg agtctcagaa actccccttc 840
cttgacgcct gcatcaagga agccttccgt atccatccag ctgcaggtct ctcctcga 900

cgcggttggtc ctgcttccgg tattgatata gccgggcatt ttatccctgg aggtacaata 960
 gtaggggtgca gtgcatgggt gttacacagg cggaagaaa tcttcggacc tgatgtcgat 1020
 agcttcattc cagatcgggtg gttgaacgtg agcgcgagaga ggttgaagac gatgaacggc 1080
 acgatgctgc agtttggggc tggggcgcgg acgtgcattg gaaagaatat atctctcatg 1140
 gaaatttata agctcgtgcc gagctttttg aggaggtttg atgtgcgttc tctcttccat 1200
 ttttttatta cccctgaaca tctaaagtgg ttatcgtgat gctgacattc attagatata 1260
 acttgcgcat gcggatcaag agtgggagtt gtggaatgct tggtttgtga ggcagtataa 1320
 ctttaagacg aagttcactg ctaggaattt tgaagtatag ttattctgaa tatatgtata 1380
 tcaactgtat atggaattat ggcgcgaaga taacgaatta tggctcatct gcatattata 1440
 tgtagtatgc ttgatcagac gaacccaac atgcttacag atccaacca cgtaggcaac 1500
 atctgtttcc gcaactacca tacaagcat ctttatagcg cgtcatatcc cactcattgc 1560
 atctcaggat tattagcaga agacaacagc actaagtga gtagatacga gcagtggcct 1620
 gaagatgcca ctggtgcctc aggcctcctc tctcctcctc tctcctcctc tctcctcctc 1680
 caatcctgag catcttcaac tctcctcaac 1709

<210> 20529
 <211> 1719
 <212> DNA
 <213> Aspergillus nidulans
 <40> 20529

caaaaygaat catcatcagc gccaaatgaa atttcttctg ctagagatca gacagacact 60
 gtggagaaaa aaagggctac tactaccagc cactccctc cccttcctat ccagaactc 120
 agagccatca ttaatagaca tctctcctat ctgcgagcct ttgcaacgga ccaagagttc 180
 caggaaacag ttcgattcgc gtcagacttc cagacgccag gtagtattgg aagacgtcta 240
 tacgaccgct tgcaagttat gaaggcagcc aatccagata catggtatca cgatttatac 300
 ctccaaaacc aatacctcgt tcgcaatggt cccctcgccc cctatatgac cttcttcttc 360
 acgcacccgg ttaatatcgg aagacactcg caagcggaac gggcagccct cattgcgtca 420
 acggttatcc ggtataagtt ttgcctggaa aacggccaga tccaaccccg acttgtcaac 480
 gagcagccgc agtgcattga cctatacaag tatatgttta atacggtccg tgagcccacg 540

ctgggtgtag atcttatgag tccgtatccc ggaaacgatt actttgtggt cttgcggcgt 600
gggcatgtct acaaggtcga gtttgattcg tcagcacaac atgcccaata tgagaggctg 660
gagagaatct tccagaccat cctcgacacg cggatagacg aggtcgactg gcttgaggctc 720
ctaactacag cggatcgtat ttcattgggca aaggtatact ttcttctcgc accgattatt 780
tgtaaagtga agacagctga taacgaaggc agactcggca tgaatttatg caccttagtg 840
aggagaacgc atcgtatatt cgaaccatcg agcaatccgc gtttgttgct tgtttgagcg 900
atggctctcc cgagacacca gaagagcgag gtcgccattt ccatttctta gacggctcca 960
atcgctggca tgacaaaccg attgagttca tcatcgcggc caacggggcc tctggtgttc 1020
taggcgacca tactgggctt gatgcaggca ctgtccatga gctgaacacc gagattgcgg 1080
aggcaatccg tcgccaccag gacagacgaa cgctgtctaa cggaacttct tgccaagtta 1140
cggtaacccc ggttcgatat tcagcaatct ctcccgaat cgaggctcgt atacacgaga 1200
cgcgctctat atatacggcc gccatctcca gccgagagca tcgatacacg acgtggaccg 1260
ggtacggctc gtcgctgatg aaggcatata agatcccagc caacagtga ttccagcttg 1320
tggtccaact ggcagggcga tactacttcg gacagacctc tccgtgctgg gagacagtgc 1380
tccagtccaa ctccacacg ggccgggtag aaattaacca agtagtcacg ggcaggttg 1440
cggcgctcgt ggacgccgct gcagaggccg ttccactgtc ggattgcaga cagctactcc 1500
ttgaggcggc tcgagcccat tcgagcgctg tgctggcttg cacgcgagcg ggcggatcgg 1560
atcgatttct ctccatgatg cgagaaattg ttgaggccga cgagcaggag ccggagccgt 1620
atcatgaccc agtctataag agggcacggc cgcggaagtt catcagcaat tgctttacga 1680
cgggtatggc tgaaaatgga tgctgcttgc gagaagacg 1719

<210> 20530
<211> 1726
<212> DNA
<213> *Aspergillus nidulans*

<400> 20530

tgccgggtttg cgagctgctt ttttctggct gctggcactt gctgatgtct ttctcgttct 60
cgtcgcagtt cgacggcttc attgttgcaa actttcttct tgccgctcggc gcacgttctt 120
gttcgtcccc tctttccaga tcgccaatgc gtttccgaaa cactctggaa caattgtcgc 180

tcttgtgacg ggcgcttttg acgcatctgc cgcggtctat ctgttctata gacttgtgtt 240
cgaagcgagc aatggcactt tcaccccgga caaattcttc ctgcctata ccattgttcc 300
ggctttgatc cttatcactt ggatcgtttt aatgccagcg cgcgattatc agacgaccca 360
ccagttagag gttcggattg agaaggcaga ggatgcgacg gggatgttca cgattcagac 420
gacgagatcg acagtttgac cgagctccat cgagtacgaa gcgagagggc tgagcgccgt 480
cgcttgaaaa tccaagaatt ggatcaggtt ctgggagacg aagaagagcg gaagcatcgc 540
gagcagcagg aagaagagcg ccagcagact agcgcgtgtct ggggtgttct tcatggcttg 600
cccgtcaca agcaaattggc gacgccttg ttcatactca tcaccataat gacagtgttg 660
cagatgctcc ggatgaacta ctttatcgcc accattcgta accagtacga atatatgctc 720
gacgaggaga aaggcatcga gatcaacaac ttcttcgacg tcgccttacc cgttgggtgt 780
gtcctttcca cccctttat cggactgctg ctgcaccatc tcagcgctcc atgtacactg 840
gccctgatag tttttctcac cacgctgatt ggcgcctca attccatccc tactctctgg 900
acgggctatt tcaccgtcat cctcttcgtc cttctccgcc cgctgtacta ctccgccatg 960
tcgtaagttc gccaaagtctt ctatgacatc cagagaatac taacatctgc ccttaccagc 1020
gactacgcca ccaaggtctt tggcttcgcg acgtttggcc gcgtctacgg gacaatcgta 1080
tgctgtctg gtctgattaa cttctctcaa acaggtcttg acgccctaac caatggccca 1140
tttgatggca accctatccc gataaatatc atcctcgag gcgcaggatt tattgtcggc 1200
tctattctcg tggcttttgt ggcgactgca ggacaccggc ttaggaaaca gcgggaagaa 1260
gcggaggatg gcgaacggca gaggtgatt cctgtgcggg aggagagccc gcttagctac 1320
acgtaaatga aggtgaagtc aagcatgaga cgcgaacatg gaaccgaggg cctgagtac 1380
acccttcggc attacatggg gtttagactg gtgctgggt ggtgggagtg tatattattt 1440
attgtcttat tatatttcct tagttcaagg ataataat atagccacca ggatcatccg 1500
accgtccagt gacatccagc tattatctca ctgcccagtc ccaactgcga atgtcgaaca 1560
cgaacgaaca acaggcccag ccttcagctc tggaagtctt gtccctagga tgatcgaaac 1620
cgattccaaa gctgattgga gcggcagttg atggttaagg ttctcaagtc agctgtcatc 1680
ctcgtgtatc tcgctaagca aagtcaaacc aggcattgtc cttccc 1726

<210> 20531
 <211> 1735
 <212> DNA
 <213> *Aspergillus nidulans*

 <400> 20531

cgacctccac tgctgccagg tattcgattt cgcttgtgga gatatatatc aatcgccagc 60
 agatgaaggc tgcgattgag gagcggcgcc aggagattag agctgctcgc gagcaggccc 120
 tggcggagca cgcagcgaca gaagatcaaa ccgcaaacct tgatttacct gatgaaaacg 180
 acatcaatga gttggagctc gatatcccag gttgggaaga aaagggccgc tgggtcttct 240
 atctagatct actcaccgac ttccttaagc tcaccgttta tctgactttc ttcgctattc 300
 tatttacgtt ttacggttta cccattcata ttctccgga tgttgtgggtt acgattcgct 360
 cattcggacg gcgaattatg gactttgctc gataccgaaa cgccacacgt gatatgaacg 420
 acagatatcc tgacgcgagt gctgaggagg tcgcgagaga agaggtctgt atcatttgcc 480
 gggaggagat gaccattgg caaccggag acagaccagt ttctcgagtt tcggaaaggt 540
 tacgccccaa gaaactcccg tgcggccaca tttacattt ctcttgccct cgaagctggc 600
 ttgaaagaca gcagaattgt cccacatgta gacgaccgtt cattgcgcct ccacgtaacc 660
 aaggacctgc tgggttcaat atgggacaag gaaacggtgg tgctggtcag cagcagaata 720
 tgccctcccg aaatcagcca gtcaaccaa acccccagc agatggcctt cctagggctc 780
 gaatttacca attcgggtcca tttaggatcg gatttggcgc gggaagaggg gatctcttca 840
 acaatctgca tcaacagatt catcaggga acggtccttg gcagccaggt atgaatccta 900
 accctgctgg cgccagacaa attggctttg ggttcggctt cggacggcct ccgctgcaac 960
 aagcgctgc accggctgca ccagctgcaa cccagccgt cccgacgccc acttcgaacc 1020
 tgcccaacct gcaaaaccaa ctctgcaga tggagcaaca aattgcgaac gagatcaatg 1080
 gcctgcgcat cgctgcggat cagctgaacc tcgttagatt actgcagaca gagctccaac 1140
 gccttcgtac tttgcaatcg caaccattaa acaaccagac taacattccg caaaatccct 1200
 ctccatcaat accttcaata tcccctacaa ctacacgcc tcgaattgtc tctaaccgg 1260
 aaacggcgcc tatgggagct ggtgaccctc gtctaccaga tggactgaca cttccccaag 1320
 gctggacct ggttcccctc cactctgtac aaccaggact gagcgcatcc tcgaatgttg 1380
 ccgcaaatgc ttcttcacg gaggtgaac atagtgtcc accatctgaa gggatgtca 1440

actcccaggt acccactgac actgagagtc agagaccgag tgataggagc gatgccgccca 1500
 cctccgggag ttcaggttta ccaaactggc agtcaagccc cttctcgcac tcagctgcag 1560
 acagcaccgg agctattttcc caacagtcag agaacctcag ttcggaggct ggactgaggg 1620
 cgctctggc tccctcgaag actgagcaag ttgagactcc actttccgag caccggcgag 1680
 agactaggat tgaaaccag acttcggatt caagatccaa agggaaggag cgggt 1735

<210> 20532
 <211> 1749
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20532

aaattgattg tacagaggtc caggcttggtg caaaaggaat catcatcagc gccaaatgaa 60
 atttcttctg ctagagatca gacagacact gtggagaaaa aaagggctac tactaccagc 120
 ccactccctc ccttctctat ccagaaactc agagccatca ttaatagaca tctctcctat 180
 ctgcgagcct ttgcaacgga ccaagagttc caggaaacag ttcgattcgc gtcagacttc 240
 cagacgccag gtagtattgg aagacgtcta tacgaccgct tgcaagttat gaaggcagcc 300
 aatccagata catggtatca cgatttatac ctccaaaacc aatacctcgt tcgcaatggt 360
 cccctcgccc cctatatgac cttcttcttc acgcaccggg ttaatatcgg aagacactcg 420
 caagcggaac gggcagccct cattgcgta acggttatcc ggtataagtt ttgcctggaa 480
 aacggccaga tccaaccccg acttgtcaac gagcagccgc agtgcattga cctatacaag 540
 tatatgttta atacggtccg tgagcccacg ctgggtgtag atcttatgag tcggtatccc 600
 ggaaacgatt actttgtggt cttgoggcgt gggcatgtct acaaggctga gtttgattcg 660
 tcagcacaac atgccaata tgagaggctg gagagaatct tccagaccat cctcgacacg 720
 cggatagacg aggtcgactg gcttggagtc ctaactacag cggatcgtat ttcattgggca 780
 aaggatatac ttcttctcgc accgattatt tgtaaagtca agacagctga taacgaaggc 840
 agactcggca tgaatttatg caccttagtg aggagaacgc atcgatatatt cgaaccatcg 900
 agcaatccgc gtttgtgtgc tgtttggacg atggctctcc cgagacacca gaagagcgag 960
 gtcgccattt ccatttctta gacggctcca atcgctggca tgacaaaccg attgagttca 1020
 tcacgcggc caacggggcc tctggtgttc taggcgacca tactgggctt gatgcaggca 1080

ctgtccatga gctgaacacc gagattgctg aggcaatccg tgcgccaccag gacagacgaa 1140
 cgctgtctaa cggaacttct tgcgaagtta cggtagaccc ggttcgatat tcagcaatct 1200
 ctcccgaat cgaggctcgt atacacgaga cgcgctctat atatacggcc gccatctcca 1260
 gccgagagca tcgatacacg acgtggaccg ggtacggctc gtcgctgatg aaggcatata 1320
 agatcccagc caacagtgc ttccagcttg tggccaact ggcagggcga tactacttcg 1380
 gacagacctc tccgtgctgg gagacagtgc tccagtccaa cttccacacg ggccgggtag 1440
 aaattaacca agtagtcacg gcgcagggtt cggcgcttct ggacgccgct gcagaggccg 1500
 ttccactgtc ggattgcaga cagctactcc ttgaggcggc tcgagcccat tcgagcgctg 1560
 tgctggcttg cacgcgagcg ggcggatcgg atcgatttct ctccatgatg cgagaaattg 1620
 ttgaggccga cgagcaggag ccggagccgt atcatgaccc agtctataag agggcacggc 1680
 cgcggaagtt catcagcaat tgctttacga cgggtatggc tgaaaatgga tgctgcttgc 1740
 gagaagacg 1749

<210> 20533
 <211> 1775
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20533

tcggctaccc cagacggttc ccaatgtttc gacatttcaa gggctggtct ccttccgacc 60
 tgtcggataa cccgttgagc ttgttcggaa cgagagctat aaagactggg ccagctctta 120
 tcttcgtccc gcttgcttgg ctcaactaga actcggcttt ccagggaccc tatttcgctg 180
 cattccaatc cgtcgcacag aatggcaacc acctcggtgg ctgacgagaa agccatgtcg 240
 ggccatcaag agaacctgaa gcgggtcgac gaccctacac aatttgccca ccgtgggtcaa 300
 gctgccacgg atcagtacgg ccatgcgctc ttgaattcg ataagaaggc cgagtcgagg 360
 ctgcgctgga agatggattt ctatctcttc cctactgtcg cgctcctcta tctattctgc 420
 ttcattgatc gtgcaaacat cggtagatag gtcgctctga tatcaaatta ctggcccccg 480
 tgactgaccg gatcctagga aacgcccggc tcgcaggatt cgatacagac ctgggtctca 540
 agggaaatga ctataacaag gtccatcga tattctacgt ctccctacatt ctcttcgaga 600
 ttccatgcaa cctttgctgc aagtggatgg ggccgggcta tttccttccc ctgagcacgc 660

tctgcttttg agccgccagc gtggccacag cgttcgtctt tcttgatata cctcgcgatg 720
atggcgcgct gatcaattga tccgatacag cttcgttgac aacatccaag aggcctctgg 780
agtccgattt gtgctgggaa ttttcgaagc aggcagctc cggggtatcg cgtactatct 840
cagtcgatgg taccggcgca gcgagctggc tttccgtctt gctctatata tcgtcatggc 900
accgctggcc ggagcttttg ggggccttct cgcgtctgcg atcctgacgc tggatcattt 960
cggcagcctg cacacgtgga ggatgatctt cgcaatcgag ggaatcgtaa cttgcgcgct 1020
cggcctgatt gccttctca cattgaccga tcggcccag actgcgcgct ggctcagcca 1080
agaagagaag gatctggcaa ttgcacgact caagtccgaa cgtgttgcta ctactgaggt 1140
accctccct gtacaggccg gtgtccagcg gagttccagc taactcggca caggctctcg 1200
acaagatcga caccaagaaa ctgctccgcg gcattctcag ccccgtagc ttgtccacat 1260
cgttcattct cctctcaac aacatcaccg tccagggtct cgccttcttc gccccacaa 1320
tcgtgcggac gatctaccg gacgccagcg tggtcagcca gcagctgcac accgtgcccc 1380
cttacgttgt cggcgcttc tttaccctcc tcttccctt cctcagctgg cgcttcgaca 1440
aacgcagtc tttcttcatc gctggccac cccttatgat gatcggtat atcatgttcc 1500
tcgccagctc cgacgcgatg acgcgctatg gcgcaacctt cttgatcgcc agcggagcgt 1560
tcgcgttcgg cgcctctgc aacgcgcag tcagtaacaa cgtcatctca gatacggcgc 1620
ggctctgccg catcgggacg aacgtcatgt tcggcaacat tgggtgggttg gtttcgacct 1680
ggtcattttt gcagttcgat gggccggact accatatcgg aaatggcctg aatctggcca 1740
cgtcgagcat gtgcttgatc ctgagcgcgc tgctc 1775

<210> 20534
<211> 1777
<212> DNA
<213> Aspergillus nidulans
<400> 20534

aatgttgtcc agtcagtttc atctaataac gatgacaaaa ctatgcaoga actctacctt 60
tgccattcc aagacgctgt tctcgttgg gctactaatc tgatgtgctc ttataaccgt 120
gtaaacaact cctacgcctg tcagaacagc aagctcctca acggagtgtt gaaaactgag 180
ctgggttttc aaggtattat cccctccatg cccaagacct ctaccggga gctaaagtac 240

ccgctttagg ttatgttgtt accgattggg gtgctcagca tgcgggtatt gccagtgcc 300
 acgctggact cgatgtagtg atgccccggg ccagcacgtg gaacagcaac ctaaccactg 360
 ccattgcgaa tgggaccatg gaagcctcgc ggtagatga catgattacc aggtatgggt 420
 atcaagtggg tactgatcag tgtatcctac taatctgacc taccagactg atggcgacgt 480
 ggtattatct cgaccaggac acggaattcc catctcctgg tgtgggcatg cccagcagcc 540
 cgagcgcagc ccaccaggcc gtcattgcc cctcgccaga gcaaagccca tctcctcca 600
 gtcggccatc gagagccacg tgctggtgaa gaataccgat ggegccctgc ctctcaagtc 660
 tccaagctg atatccgttt ttggctacga cgcatatgcc ccgttgacat atgatcttgg 720
 taacaatttc gattttagct ccaccagagt cagatcagat ctttacaaga acggaactct 780
 gtacgttggc ggtggctcgg ggctcaactc tccggcatat atcgatgctc ctattgatgc 840
 tatcaagcgt cgtgcttatg aggacggttc atctgtcctt tgggacttca cctccgagaa 900
 cccctcggtg gactacactt cagacgtgtg ccttgtcttc atcaatgcat acgccacgga 960
 aggttacgat cgtcaggctc tgtccgacac ccacagtgc tcaattgttg aaaacattgc 1020
 aggcaactgt tcgaactacta ttgtagttgt ccacaacgct ggtatccgca ccgccgaggc 1080
 atgggttgac catgccaacg tcaactgctat tatctacgcc cacctccctg gccaaagatat 1140
 tggtcgcgca ttggtcaggc ttctgtacgg agagtccaac ttctcagggc ggttgccata 1200
 caccgtggcc aagaatagct cagactatgg ttccctgttg gagccatcgc aaccggaagg 1260
 gaaataccag tacttccgc agtccgattt ctccgaaggg gtttatatag actatcgcgc 1320
 gtttgacaag gacgggatcg tgccccaata cgcgttcgga tacgggcttt cctacaccac 1380
 attcgagtac tctgacctta agatctcgaa aaactctgat ggggtccct caatctacc 1440
 agctaaggca tcaatactcc ctgggtgaaa ccacatctc ttgacgaac tggtgacagt 1500
 gacagcaaag ataaggaata ctggcaatgt cgacggtcag gaagtgcgcc agctgtatgt 1560
 gggatttcca gatggaccag tgcggcagtt cgcggcttcg acaaggttct catcgagtct 1620
 ggtagctctg cgaccgttac tttcagcttg acccgccggg atttgagtac ttggatgcaa 1680
 acgccaaga atggtccctc cagcggggac atacaagata tttgttgggc gggatagccg 1740
 tgacttacc ctagaagaaa cgctagtttt ctgatag 1777

<210> 20535
 <211> 1840
 <212> DNA
 <213> Aspergillus nidulans

<400> 20535

```

tcgtctcacg ggcggcagta gcgggattgg gcgacagatc gcgcaacttc tcgggaaccg   60
cggcatacaag gtcgcgatcc tggacatcca gcctcccca gacggacaag ccaatctgcc  120
ctcgactgtc cgctaccaca aatgcgatat cacgtcgcct tctgccatcg ccgaagcagc  180
cgctgctata cgcacgacaa tgggcgagcc cacaatcctc ataaacaacg cgggcattct  240
tagcagccgc actatactgg gcagcacgga gtcgcagacc cgtctgcagt tcgaagtcaa  300
cacgtcttca cactactggc tcgctaagga gttcctcccc ggaatgatta agaataacca  360
cggcattgtc gttaccgtcg cctcgcaggc cggatacact gtcacgccga acatggtcga  420
ctactcagca actaaagcgg ccgcgatcgc attccatgaa ggtctcgggtg cagaactagt  480
aacgcggtac aatgcgcgcg gagtgcgcac cgtgctcatc acgcagagct ttgttaacac  540
aggactaatt gataagttaa ctctgagga tacgtgggtg catccgctat taaatccaga  600
gacggtcgcg gagggcattg tggagcaggt tctctccggg aagagtggcc atgtcctgct  660
tcccgggtca acgggatggc ttgcgaagtg ctttaggggg ttcccgcttt ggtttcagca  720
tgcaaccgcg attaatgttg agaagttgat gagagctgat taggggtggag tttgatgggt  780
tggtgtcttg tgtttataca taattcaact gcgtgattgt ggtgtatttg gtatagggct  840
gtatatagta taccgtttgc ggtctatact acccgtaact tcttccttgt ataggttaat  900
agctatcaca cctattgtgc tgatgagcac gtgcatgtgt acttacgttg atatgtatat  960
agttgcctga ggtatggagc agtaacccca ctttctcggg tcatcttaac cacagatcag 1020
atcggacgga atgacccatg ggggggtctt tttaattccc ccccatgggg ggtagattcg 1080
gttgctccctc tcaacgagaa aaccagatat cgctgctctc cgtaggcttg catccaggta 1140
cgaggcaagt accctgctgt cagaccagcc accctgatta cagcacgtgc gatttcccca 1200
ccgcccagcc tcaccgcata cttcctccaa atcctcagct tacctagtca agccagaatt 1260
tctccgatcg aaagcaggcc ataacaactc attatcatcg atcttgctcc tttttcatca 1320
tatttccgaa caatactgcy tgctttatct atctccgctt aacattgatt cagacagacc 1380
ccctgccact ccccatcctt cgaatcttcg cgatctgccc gtccagttcc tcgcgaccgt 1440

```

gcccaacccg atccaggcgc tagatcacta gtggccgatt gtctggagca accaaccgc 1500
 ttggacgtcc accacagcag atccacggtt cagctcttgt ttaccgccgc caaaacatac 1560
 cgtactgcct ctagcccagt ccagcctcct cagcacctca cttttctctt attcccagca 1620
 cattatatgg tcatcttacg actatattca ctgcactcat aatctttttg tttcccatcg 1680
 atttagatta tcaagccac atgattgtct aaccgccaga gcgtgaatag ctctctgccc 1740
 agcatgttca aggccctcat gggcgggggc cgttcctcct ctgaogtccg cagcagcacc 1800
 agctcgagct caaagagtgg cagtcggcgc aagtccagcc 1840

<210> 20536
 <211> 1848
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20536
 tcgtgaggag gagggcgaac atctacgtgc tctattctgg tatatctacg gttctgacaa 60
 aaccttggcc atccgcttta gcataccacc tctgttcaat gacgttgact gggacttaca 120
 gccgccggac ggctacgttg aatcctgctc agacgaccat tttttcctgc ggccccctgtc 180
 cttcaaacct gtcataacc cgtccgatct ccgtatgtcc cttatcaagt ccaaaatcca 240
 cactctcctc tactccaacc atagccgagc tcagccggtg gctataagac tccagtgtat 300
 tcgcgaactc gatgaagaac taagcgtctc caagtccagc ttcccgaata gctgctggcc 360
 tgatgttttt gcgacagggg atacacctga ctatactttt cacgacttga gtctacggcg 420
 agttaacctt cacctcgatt attactttcg cctgcgaaga atccatggag caagcagtac 480
 acacatgtct tctccagagg cctggctcct cctaccttct agtgccggagc tgttccacca 540
 agagtcccgg atcatactcc tctatztatg ccgtatacgg catgcccaca actggcatac 600
 tttttggtgt gtgtggctat ctgtttctta acataagcag tttcttacag tttttaggat 660
 tcatgtctcag tatatactga ccgctgtggg ctcccttttt cgatatctca ttgogtctcc 720
 aacggcgcag actttcaata ccgacctccg gctcttgga tctatagcag acctcttttc 780
 cgaccttgat cgtaagtccc gggccacgcg gcgctttgcg ccatttttct tcacaacatg 840
 cttcacaaga aaactgatat tacttgcaaa gcaagcatta aaacaagtca tgactaggca 900
 agagtactcc ttagggtgac caccgtttga ttacataacc ccttaagaag cggcaacacc 960

gaatcattcc gttgctgtgc cttgcctgcg agtagatggt tactaccaac cacatatatt 1020
 gtcataatat tggaaactgg ctgcataacc acacctcata cgaagatgcg ccggaact 1080
 cgttttgtct gtgtctctga tactcatggc tacacgcctt cggaagcggg attcagactc 1140
 cccgcgggcg acgttttgat ccacgcagga gatctcaca atcagggtag cagttccgaa 1200
 cttcgcaaga cgatgaactg gattgcgact gcggattatg aaatcaagat tgtcatttgt 1260
 ggtagtatt ttatccgtcg ccagcaagg ttcatagaca acaatccgct tttataccga 1320
 aggccagcga ctaagcggac gcaaacaggg aaccacgaca taaccctgga cgtcccttc 1380
 tacagtcaaa atagcacaaa atttcacaat aaacaccgcc aagatccaga agaatgcctt 1440
 aaaacaatca ccaccgcctc ctcatcgatc gtattcctcc agcaccagtc agcactagt 1500
 cggctccgca aggcgtgggt gtccaaacac agtctttaag gtctttggct ccccgattc 1560
 acagagcgac ggtgagtggg cgttcttata cgagcctgac ggggctgagg agctatggcg 1620
 cgatattcca ctggacgcag atgtcgtcgt cagcatagc ccgcctcgtt ttgcttgca 1680
 ttatgacaat gtcttacta gttctgaggg ggataaacgt atgggatgtc cagctttggg 1740
 ggagaggctg cgaattgtta gaccgtgtct tgctgtttgt ggacatgttc acgagggacg 1800
 aggctataaa cgggtccatt ggggggcac tacggccgca tctgcaac 1848

<210> 20537
 <211> 1861
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20537

aaaaccaa at gcagtgggtga cacaccgatt tgcagacagt gtctggagct cagggtcgaa 60
 tgctgatacc cggtttcgtg gcgtgaacgg acgaaagggg aggcctagtc taccctacat 120
 attgtgcgtg gatagctgat ttctgggttcg atacagacaa atatctaagc tctcgccaa 180
 gtcggatgac tatgaaaagt tgctccggga gatcagccaa atcgtgaacg gccgagcggc 240
 ggagcgaatc agatacacc tcgacaaagt gcgtgttaac ttctacctga gaggcttagt 300
 ctgccgctga cgtcgcgagc agtactcaga atctggagct gaacagcata atgatcaacc 360
 gtccgccaac tctgaccctg cctccggcat cgatgaaggg attgaccag aggtggaaag 420
 cctaccctcc tctattgggt cattagacgc cattgaccgt gtggatgagg acctcaaccg 480

cagcccgaac gcccaagcta cgggatacat gggaaagaat tcggaggtca cttggctgca 540
acgcttggga agagaagcag ataatcgcg tcgcaattta tcagggttgg ctgagccaag 600
gccggatcgt gagctgtcca tccattctgt aaattatcat ttagacgacg tggatatcac 660
gccccaggg ccagtcacacc tttattggat gcctccacgg aatattgcag ataagctggt 720
tgaggactac ctggatacag ttcatacctgt tttcccaatc atcagccggg cgctcttctc 780
agcacagtac aggaatttct ttgataactc agcgcgacca ggtgataaat ggctggccat 840
tctgaaccta atattcgcca tatcttcag tcatgctcac cttatgcagg catcttggcg 900
cgggtgtggc cgtgatcatt ttgtctacct gggccgggcc cggcgtctca gtatgaacag 960
tgacaccctt ttcagtcac ctgatcttca gcaagtcaa gtggaagcac taacggcttt 1020
ttacttactt gcaactaatc agattaaccg gtaggtttta cactctcgtg ctccacaaat 1080
agtttcagtc atttgacaaa gcatcagagc atggagaatt gcgtcattgg ctcttcgac 1140
cggcatactt cttggtttga acttgagaaa tactagcgaa gtcacgcctg acacgtctaa 1200
ggaggctcgg tatagagtct ggtggtgtct ttacacgctt gaacacatgt tagggacaat 1260
gaccggacgc gtgacaggta tctcggacgg tgtatgcacc actccgatgc cgcttctcgt 1320
ggacgaggac cggttcaatg atccagccgc ggcagagctg ctaagtagtt tggagcttcg 1380
tcaagagcgc gtcgagttag ctctcgcgag ctgctatgtc cgacagatgc cacagaacgt 1440
acgacgtaat cgagagccga acgatgcagg caaaagtgcc gacgttgcca ggctgcaaag 1500
cttaccccc agtacggctc tcttcttctt ttactacgtt gatctcgccg tcatcagcca 1560
ggagatcttt aaccgcattt attctctgga ttgcattctg acaccttggg gagagatcga 1620
ggatcgcatg actgagcttt gatcacggat tgagtactgg ctttcgaatc ttcctgaagc 1680
atacgactgg actcgaggca accagcagaa tctagaattg ctacgtggca gtctttgcct 1740
tgcttttctc tattatagtg tgcgcatcac actagggcgc ccctgcttgt gccgtcgcca 1800
tgttcgatca tccgaatctc cgggtgaaag tacagccttc agccacgcta tatcgggtgc 1860
g 1861

<210> 20538
<211> 1862
<212> DNA
<213> *Aspergillus nidulans*

<400> 20538

cgcccttacc gcgaggtag cattccacga aatatccaaa actcgttctg ggtatatcca 60
agattcatcg aaacgtaaaa acaacgtttt ggactacctc atcgaaacac tcggtcagca 120
tcatgatctt gtgacagagc gaaagaacca cggggacacg agcctgcgct caccgagcac 180
cccggcgatc atcacogagt ggctacgtac ccttttcatg aaaagttggg atgggaatcc 240
tgaaatatcg agaagcagtt cacaaggggg tgctgtacag attctgtcgg tacttcataa 300
agagcggacc cgccttggcc ttgcgtcgga ggatttctat acaccttttc tttctgaacg 360
cctggatcct ctcgaaatgc ctgtgcaatg gttggcaaga gtgcctaata ataagacact 420
ccatctgttg tcttactcgt ttttattccc gccctccgcc ctagtcatat acttccgtgc 480
tcttaactat tcagccatgt caaaatatta tgaagcagcc ttgacaacca cgaaacatgt 540
gtatcagact gcctttggtg ctatggatat ccaggatgat gttggcctta ttcctagatt 600
gcgaacctca atgaccacct attttgtcct tggtatccgg cgagataaca tactcacaga 660
cgccttgaac cagctttggc ggcgggaaag acgtgagctt atgcggcccc tgaaggcca 720
aatgggcatg gatgaagggg aggaggggct cgatcacggc ggcgtacaac aagaattctt 780
ccggttggtg atggcggagg ctcttgatcc atcatacggc atgttcacaa cggatagtcg 840
cacgcggtgc tcatggtttc aaccttgctc atgggagccg ctctacaagt ttgaaattct 900
tggtgtattg atgtcactcg cagtttaciaa tggcctgacc ctccctgtga atttccatt 960
agcattttat aggaagctac tgggattgaa ggtcaagcac ttggaccata ttgcgacgg 1020
gtggccggag ctgaccctg gtttgaaga gctactacgt tggaatgaag gcgatgtgc 1080
agatattttc atgaggacgt atgagttcgg tttcgaggcc tttggcgcgt tgagacggtt 1140
gatatggaaa aggtcgatag agatgcaccg tggccgaact cactgcctcc acagtccggc 1200
cgctctgtgc gatactctcc gtctgggtcc gatgtcggcc gttataccga cctagcaagt 1260
ctaagccgc cctcatccat ggctgctgaa acggccgatt cacaagatga taccgcaaaa 1320
tcagctataa gcctgcccc tttgccctcg cctacttccc cagccgagga agcctctttg 1380
gtgaccaacg aaaatcgtgg ccaattcgtc aaggactaca ttttctggct gaccgacaag 1440
tctattcgcc cccaatttga agcctttgca cagggttct atacctgcct cgaccgaaca 1500
tctctgtcta tcttcacacc cgaagcgtg aagactgtgg ttgaaggcat ccaggaaatt 1560

gacattgcag aactggaacg tcacgcgcgc tatgagggcg gcttcgggtgc gggccaccgg 1620
 gttatccagg acttttggag tatcgcgcgc caattctccg ccgagaagaa ggcgcagctg 1680
 ctggagtttg tcacagcgag cgaccgagtg ccggtcaatg ggatttcgag cattatgttt 1740
 gttatccaaa aaaatggcgt ggggtgatgct gtaagtttga ctgatccaaa ttgaatgggc 1800
 ttgactaata atgaggttca gcgccttcca aaccagtttg acctgctttg gacgactcct 1860
 gc 1862

<210> 20539
 <211> 1863
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20539

aagtaagtag acagcgtatg cgaattccag ggtatgctga ccatatagga tcaaacta 60
 gtaccccggg cgttcgacag gatgcagtg ctctgactg gtctgttgcc gaagcacaag 120
 aatttatacc ccagggtttt gacccaactc acatggtagt tttttttgta ttagctatct 180
 cagtcgcact ttcctcgtga ggattttgca ttttttttcc ccaatccgaa tagccaaatg 240
 tcctcggctt ctggtgaata catttattca ctacataatc tacgttgcca gtggagcctt 300
 tggcgcaatc aaagacttta cggtagatg gcctctggag gtaattcgct aacaggttat 360
 tcagtcacct cttcacggca atggcaacct tggcgtggcc tcggccaatg cctttgatcc 420
 tttcgtttct actccgaatc ctcttgctgc accaggtgct gttggtcctg tccaggccaa 480
 ccccttctct cagcatgccg cagctgctac cctcgtggg gcctactacg ccaatcaggc 540
 cgggtttcaa cagccagtga gtcgtttcaa catgtaccgc gatcggacta atgccctctt 600
 gctctaggtt caatatcact tatacgcacc cattggcccg cacaatcaga acgcactggc 660
 gtaccagcgc aacgtccacg atctattcct cccaaatgac tttagagaag agctacaaaa 720
 gaaagcggct gccacgctac agacattacc cagtatgtag caggaacgtt gccggaaaat 780
 acacgcactg atgtgatata gatactcaat tacctgcca ggtggactac ttccactccc 840
 tcgtacctct tgatcttaac caccagaaaa atgcggccat cttcggctat ccgagttggg 900
 tctacaaggc acagtccacc aaagacggga gctattacgc gcttcggcgg ttagaaggta 960
 acatcttcat tctcaatctt accttctgat cgcacgttgt tgattggccc taggttttcg 1020

attaacaaat gaaaaggcta tccgctctgt ccaggcctgg aaacgtatag ctagtggtag 1080
 tatggtgaca atccacgacg cattcacgag ccgaagtttc caggacagct cattgatttt 1140
 cgtcactgat taccacccac tctcaaaaac gtcgcccga caacatttga gtgctgggtg 1200
 cccaaggttt ctagcccgcc acaatgctca cgttcccga cagatccttt ggggttacat 1260
 taccagatt gccaacgctt tgaaatgcat acatagtgtt ggtttggcag caaggattat 1320
 cgacccagc aaaatcttgc ttacggaaag aaatcgata cggctcaatg cctgtgctat 1380
 tatggacgtg gtgcagtacg atgtcagag atctgtcgc gatcttcagc gacaagacct 1440
 agtgaatttc gggcaactca ttcttacctt gggtgccaat caaccgaacg tcatacaca 1500
 tccttcgaag gccatggaac acttcactcg cgcgtacagt ccgcagctca agaacacagt 1560
 gatgtggctg cttggcggaa tgcagaagga tcaagagcga aatattgaca tattaataaa 1620
 cggcatttct tcacagttga tgtcgacttt tgactcggct cttcatttgg atgaccaact 1680
 cacgtcagat ttgggccggg aactcgagaa cgggcgtctt gtccggcttt tgacaaaact 1740
 gaatttcac aatgagcgcc cagagcatga acatgaccgg cagtggctctg agaacgggga 1800
 gcggttttac ctgaagatat tccgggatta cgtttttcat caagtggacg cctcgggaga 1860
 ccc 1863

<210> 20540
 <211> 1863
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20540

aagtaagtag acagcgtatg cgaattccag ggtatgctga ccatatagga tcaaacta 60
 gtaccccggg cgttcgacag gatgcagtgg ctctgactg gtctgttgcc gaagcacaag 120
 aatttatacc ccagggtttt gacccaactc acatggatg tttttttgta ttagctatct 180
 cagtcgcact ttctctgtga ggattttgca ttttttttcc ccaatccga tagccaaatg 240
 tcctcggctt ctggtgaata catttattca ctacataatc tacgttgcca gtggagcctt 300
 tggcgcaatc aaagacttta cggtatcgat gcctctggag gtaattcgct aacaggttat 360
 tcagtcacct cttcacggca atggcaacct tggcgtggcc tcggccaatg cctttgatcc 420
 tttcgtttct actccgaatc ctcttgctgc accaggtgct gttggtcctg tccaggccaa 480

ccccttctct cacgatgccg cagctgctac cctcgggtggg gcctactacg ccaatcaggc 540
 cggttttcaa cagccagtga gtcgtttcaa catgtaccgc gatcggacta atgccctctt 600
 gctctagggt caatatcact tatacgcacc cattggcccg cacaatcaga acgcactggc 660
 gtaccagcgc aacgtccacg atctattcct cccaaatgac tttagagaag agctacaaaa 720
 gaaagcggct gccacgctac agacattacc cagtatgtag caggaacggt gccggaaaat 780
 acacgcactg atgtgatata gatactcaat tacctgcca ggtggactac ttccactccc 840
 tcgtacctct tgatcttaac caccagaaaa atgcggccat cttcggctat ccgagttggg 900
 tctacaaggc acagtccacc aaagacggga gctattacgc gcttcggcgg ttagaaggta 960
 acatcttcat tctcaatctt accttctgat cgcacgttgt tgattggccc taggttttcg 1020
 attaacaaat gaaaaggcta tccgctctgt ccaggcctgg aaacgtatag ctagtggttag 1080
 tatggtgaca atccacgacg cattcacgag ccgaagtttc caggacagct cattgatttt 1140
 cgtcactgat taccaccac tctcaaaaac gctcgccgaa caacatttga gtgctggtgg 1200
 cccaaggttt ctagcccgcc acaatgctca cgttccgaa cagatccttt ggggttacat 1260
 taccagatt gccaacgctt tgaaatgcat acatagtgtt ggtttggcag caaggattat 1320
 cgacccagat aaaatcttgc ttacggaaag aaatcgata cggctcaatg cctgtgctat 1380
 tatggacgtg gtgcagtacg atgtcagag atctgtcgcc gatcttcagc gacaagacct 1440
 agtgaatttc gggcaactca ttcttacctt gggtgccaat caaccgaacg tcatacacia 1500
 tccttcgaag gccatggaac acttcaactc cgctacagt ccgcagctca agaacacagt 1560
 gatgtggctg cttggcggaa tgcagaagga tcaagagcga aatattgaca tattaataaa 1620
 cggcatttct tcacagttga tgtcgacttt tgactcggct cttcatttgg atgaccaact 1680
 cacgtcagat ttgggccggg aactcgagaa cgggcgtctt gtccggcttt tgacaaaact 1740
 gaatttcac aatgagcgcc cagagcatga acatgaccgg cagtggctct agaacgggga 1800
 gcggttttac ctgaagatat tccgggatta cgtttttcat caagtggacg cctcgggaga 1860
 ccc 1863

<210> 20541
 <211> 1895
 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
<400> 20541

gtgggggcgg ggttgatctg catccgctta ctccggcaac gctgacagta tcagacacac 60
ccagagcttg tgcttacctca agcctgctta taaaatacaa cttgggtaccc atattangca 120
tacaggatcg ataaatcaat atacttcccc agaatgcacc tcctcgcttt cctccttcgg 180
gggacctttt aaaatatagg ggggtgtctg actacccttc ttacacaaat ctacagaaca 240
cgcaccctct actccatccc tggcccgttc tggggccgct tcacgcgcct ctggatatttt 300
cgccggttat ggaatggcca cttcgaagaa gacaatgtca accttcataa gcagtacggc 360
cctgttgtcc gcattgcgcc agaccactac agtatcaacg accacgccgc actgaagacg 420
atctacggtt ccggtaccaa gtttgcaaag tcagcatggt atgaaggctg gaagcatcct 480
gatccgcagc gctggacgct gtttccggat agagatatca agagacatgg tatgcttatt 540
ttgttgtctt gtgctgattg attgctttgg atgtctgggtg gaacggggcgt gctgatgtac 600
tcgtcgcggc aggcgagacg agaaagaggt tctcgagtct ctactcgatg agctcgctag 660
tgcactacga ggagtctgtg gaccagtgtg cggatgtctt ctctgaccgg ctgggcgagt 720
ttgcggaccg agacgtcaag ttcaatctgg gagagtgggtt tcagttctat gcgtttgacg 780
ttattggaga gattacttac ggagagcgtt tcggttggtt accttctatc attgctacta 840
tatatggata tatgctgaca gatagttagg ctttctcgac aagggccaag atattgacgg 900
aaccatcggc gccctgcaga accttatggc ctacagctcg ctgatcggca tctaccatga 960
gtggcatccg ttgctgttcg ggccgctcag cagattcagc tgggtctggcg caggcggccg 1020
cgcatatata atgcggtatg tccagcagaa gatcgcccgg cacagtttgc agaaaccaca 1080
gagcgacgtc gagcacggtc ccctgaagac ccaaacgttc cttgagaaaa tgatcctggc 1140
aagagacaaa gaccctgaga aggtgacgga ctaccacgtt ttcattgatg gtctgtcaaa 1200
tgttatcgct ggctcggata caacagctat aagtctttcc tccatcatgt actaccttct 1260
ccgcaatccg gatgttctag acaagcttcg aaacgaaatc gatgagttta cagtacaagg 1320
caaatgcagc gaccgcgtga cgttcaaaga aagccaggag atgccgtact tccaggctgt 1380
catgaaagag gcgctccgaa tgcacagcgc aactgggctg cccttttggc gtgtcgttcc 1440
agccggtggc gcggagatcg caggatattt cttcccagaa gggacagtcg tgggggttaa 1500

cgcattgggta ccgcattatg atgacaccgt gtttgaggat gcagaggcct tccagccaga 1560
 gaggtggatt gaggtctaaa aggaagatcc agagaagtgg aagggtcatga atgacatgta 1620
 tatgccggta tgctgccata aactccttca gacggtaagc aagtatcaag gactaaccta 1680
 ctggacagtt cggcctcggc tctcggacat gcatagggaa gcacatctcc attctggaga 1740
 tgtcaaagct catcccgcg c attctacggg agtttgattt cacgactggg gaaaagaaat 1800
 ggaatacggc gaatcactgg tttgtcaaac cgactgactt tgaggtctaaa gtgagacgga 1860
 gggagcaaac tactgtaaaa cctgagggca tataa 1895

<210> 20542
 <211> 1909
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20542

gggggcccct caggactggg agagggcagc tagctatctg gaccgggcag ccaaagtgcc 60
 cccagaagtg gttcagggcg cctttgcggc agaaatgggt cctacggcgg aggttccgga 120
 cccgccgagc gtgacgctag acaatgcggc tgagtcgttg tgcgggctgt ttctgcgcga 180
 gtttgataag gccgttaaag agagcaatgg agctaagatt acgcgattct tcaaactgtt 240
 tccgttgatc gggcgctccg aggtcgggct ggatgtctac gggcgatatg tctgtcaagg 300
 cgtggcagca aaagcgcggt cgaacctaaa tacgggaact gggcaacagg acggtttttt 360
 ctacgccaac acgctcacta agctgtttga gcatatcgcg cagattatcg acggtcatgg 420
 agggcttggt gagcgccact acggccctcg aaaaatgaat aggggtgattg agcgccctgca 480
 gctagaggca gatgtccaag gcgggattgt cgtcgacaca tggagcgacg agcggcatat 540
 cgaccgcaaa ctgatggata tcaagtcata cgcctttacc tttctggttc agagcttctt 600
 tctccacag cgcaccgcaa cgccacatgc gaattccccg gccactcaac agagcgcggc 660
 ggaggacgaa ggggtagaca tgaaagagat agatgggtta ttgaatgaga tgaccgtcat 720
 gctaagtcca tgggtcacttt acaccgcgtt cctagcagag acatgcaatg tatgctttgt 780
 ccaacatgta tagaagcacg agactaatgt tattgcaggc caacgaggag caaaagtgtt 840
 aactgcccc a gttcctcaag gaatccgcgc tttccaagaa gatcgaggac cgggttatat 900
 ccccgtttaa taccatgaca accttcttct tccgacggtc ggttgagaaa gcgttccagc 960

tagatgagca gccgacgggc ttgactttga acctccagcg gccattgaaa gcagatccac 1020
 cacacataac gtccgcagtt gacgatatta tgtatatcgt aaacaaggtc ctgcagcaat 1080
 ccctctcaac ttcacaaatt gctgtcgtca ccagcgtcgt ccctacctta tcgcggtgtgc 1140
 tcggttcgac tttattggga tgactcaacg caagatgcgc gacgaatgct atccacgagc 1200
 cccccaccag ggcgcctctc caccagagca tategtcate tccttcctag tcctgataaa 1260
 taacctcgat gtgcagtggt actatatccg gcgcattgtc caaaacatta ccgagaccaa 1320
 gaaaacaatc accaaccagc acgggcaggt cgaagaaact ggccaactac acacgctctt 1380
 cccatcccca gcagatgcaa ccctcgatc tcagaccctc acctcgctcc ttaccagctt 1440
 tgaagcgaaa gttaccgacc ttctcgcaga cggcatacaa gtcgttttca acaacatcat 1500
 caaacaccgc ctccgccccca tcctctccga cgctttccgc gacatcgaat accaacctgc 1560
 ctctgactcc accccgctaa caactacca ctctgacctg gactcctact ctgatactga 1620
 ctcgatccca catgacaatg accccgaatc gccccgcgaa atcgtcgggc cccgtttcag 1680
 cgccgcctgg actgagctgc taggtcccat cttgcgcata ctcaaccccg ccgcgttcga 1740
 tcgcctctta acagtaacaa ctgcctatct agcccggctc ttggaaaagc gcctatgggc 1800
 ctaccacggc cgcacatg ccctcggcgc aacgcgtctg gagcgcgacg ttgcgggcat 1860
 cgttagcgcc gctgtcagtg ttgatgtcct ggttctgcgg gggtaagcg 1909

<210> 20543
 <211> 1913
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20543

tcatcgctcc ctttgcatat cttctcagct cagttgtaca acagcgactt ccaataggaa 60
 ttttctttcg catcgttacc ggggtctgcc ggttagtact gtatttcggt gacttcgcgg 120
 tagctttctt cagattccaa cttaaagtagt ctgcgtcgtc ctccacgaat cccatccctg 180
 attggcgggg cattatgtgt gcctgggagc cttacatcaa cttgtccgc atcttgatcg 240
 cggtcagggc ccaaacaagc tcgggtcttct tttccttcaa ctccgtccct ccggggtaaa 300
 tagacttcgc tacattagct tccagcatgt cttctgacag agccgatggc tcatccgtga 360
 catactcttc taatcgtagc ggcaatcccg acctccgcct tatccactac aatgacgtct 420

atcatgttga gtacgctacg tgcctaatact ttctctcttc ttgctctctt gtcgtcacat 480
 attctttgaa cttgggctaa ttgagcatgt aataccatag accagggttct gctgaaccag 540
 taggcggcgc cctcgattt cagtcgtaa tcaaccacta tcgatcacat cctagcttcg 600
 acggacaacc taccctctc accttcttct cggcgacgc attcaatccc agtctagaga 660
 gcacggtcac aaaaaggag cacatggtgc cttttctgaa caaagctggg accaatgtag 720
 cttgtgtagg ggtgagtgcg ttgttgccg ccagctcgac gaagcctcgg cggataatct 780
 gacaatcaac agaaccatga tctcgatttc ggtgtcgcgc agttccgcca ttgctgcaat 840
 caatgccagt tcccttggct cttagccaat gtcttagacc cagcattggg tgaagatgtg 900
 ccgattgcc aattgcgagaa aacttgcag ctaacgtcct caaacggaat caaagtggga 960
 gtgatcggcc ttggggagcg tgaatggtac gccggacact taaacagcat gtcctagaag 1020
 ctaacttgtt gtgtctctta ggctaggaac aatcaactcc ctctctccg atcttatcta 1080
 taagtccgct tcgaagaccg cgatcgagct cgtcccatct ctacgggagc aaggggcaga 1140
 gctgatcgtt gccgttacgc accagcgtga accgaatgac tataagctag ctgaaagcat 1200
 accctacggc atgatagata tcatattagg cggacatgat catttctacg gacatgcatt 1260
 cctcaatggc gtccatatcc tccgctctgg tacggatttc aaacagttga gctatattga 1320
 agcatttcgg aaaacggacg gcagaggatg ggacttcaac attgttcgac gagacatggt 1380
 ccgatctata cctgaagatc catcgagcat ggactcgtg tctaagctca ctctcagctct 1440
 taaggccaaa ttggataagc ccatcggtta tactgttcgc ccgcttgatg ggcgcttttc 1500
 cactgtccgt gctggggaat ccaacttggg taactttgcc tgcgatctta tgcgtttcta 1560
 ttatcgcgc gattgcgcta tgatggctgg tggcaccatc cgtggcgacc aaatataccc 1620
 tccgggcgct ctccgcctcc gcgacatcct aaactgcttc ccatttgaag accctgtggt 1680
 cctacttcgt ctaaagggca aggccctttt agatgcttta gagaatgggtg tcagccagct 1740
 tctgtctctt gaaggccgct tcacgcaggt gtccaacatc acgttcagct tcaatccatc 1800
 tgcgcctccc ggctcgcgca tcaactgggc caagataggc ggaaaggaaa tccagttcga 1860
 agagagctat acactagcca cgcgagggtta tatggcacga ggcaaggacg gat 1913

<210> 20544
 <211> 1926
 <212> DNA

<213> Aspergillus nidulans

<400> 20544

cggttcgctc ctcgagccac ctgtttcgta tctatccggc aatgcgacat tgccgcaaatt 60
gccgtgggat tcgttggttt cgccgaccga atcgaaacat cacctgtctc cgtttgtatc 120
ccaggatgct gcttcagagt ctcacggact catggaccgt catgtgaccg actcgatggc 180
gccgtcgctg cactcgctgg tcaactcttt gccagtttca ggcaattcca ctccgaacgc 240
gttgtctcca taccatcaa tgactggggc tgtcagcccc gttaactaca ggcgatcccc 300
gggtcccagc caggctctga ctctgccgaa ggcacctcaa attgccaaacg atctagagcg 360
caaccagatt gtggaacgca ttcgtcttgc tgactcgctt ggtgtgcttc ctgagtcggt 420
ccaactccca acgacagccg ctttgaacaa gtatttgact acctatttca acttgtatca 480
tcaccacctt cccttctctg atcaggagtc gttcaaacc actacggcct catcgctct 540
tttgctagca gtcctctcca ttggagctct ttacacattc gagcggcagc atgcattcat 600
gcttcatggt ggttctaaaa tgcttgtaaa ccagttcctt caacacaagg acaactttga 660
ctcgagaaag tgtcctttgt gggcgatgca gagcactctg ttgaacatga tctttgagag 720
ctggagtggg gacccgaagg gtctagaatg gacttgctca atcaagagtc ttcttgccaa 780
tgtaagtcaa aaaatttgat tccgtttata taacctgctt acaattttct tagatggctg 840
ccgggaaccg ataccagctc aagctccgca ctgaagctcg tgaaggacgg caaccaacca 900
gggaggagtg gattgaggat gaatcttgcc gccgtactta ctacgctgtt tacattttct 960
tcggcatgct taccttgacc ttcaaccaca ctcccgaat gagctttgat gaatttgata 1020
acctggagct gccctcgtct gaatccatgt ggaatctaga cgtcaatgat gatgaggcat 1080
ggcgccgaaa cttggcttca tctacgacaa tgactgttcg cgaggcccat gactgcctct 1140
ttcaaggcga tcaaaccggt tacagcgcgt tcgcaaccggt tgcctcatc aacgccctgt 1200
ttctgcaggt gtggaaccac aagagaagtt tcgaagctct tcaggatgtg gtcacagaat 1260
acaagctccg cctcgactg gagacttggg agaactcgct ggaggtttgc gagccgaaa 1320
caattgtcgt tcctctcagc actcctcaaa acggacatcc actcatcttt aactcgatgg 1380
ctgtttaccg caacactcgt gccgccttg aggttgacct gaagtccatc caggaagctc 1440
tgcgctatca ctcttctac gaagttgcgg ctgcgatgac cgtcgccgcg gagaaggtca 1500

agcgatcgca agagatgaac aaggttattc agtcgtgctt tgagtgcatt gagattgccg 1560
 ccatgggggg aatggactgg gttgccaaaa cttcggccac caactggagt gtcgaacacc 1620
 cgctctgcgg gttggatctg atggtaatc tcagcctctg gctttatcgc ctggaacatg 1680
 acgaggagcc tgcctccgag gcagaaatgg ccatttaca caaggtccgg aatttgtttg 1740
 acgatgatgc tgtcgactcg tgtggtaaac tcagctccac cgttgcccgt gtatggggta 1800
 acatcctaga cgggtgtggtg gtttgggggt aagttggcat tcaagtttct taaagtccta 1860
 gactaactcg ctacagaatt accaagctta tgggcgagtc attcaaactt cactcccagg 1920
 ctttgg 1926

<210> 20545
 <211> 1930
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20545
 ggtggcgagc tgagcaatct atcaaagagg aaaaggagcg tgcaaagcac gggggacgcc 60
 ggccatccga ccgtgtgaag ggagaacgtg aggcgcggga agaccgtgac agggaaagag 120
 cccagataca ggcggcttac gataacctaca aggtggatct tcaggtcaaa atggccagag 180
 cattcgttca gcaacataag aacgatgaat ggttcaaaga gcgctacatc ccggagatac 240
 gggaccctct tcgtcgaaac ctgatggaat tcagagtggg cgcttatcag cagtgggagc 300
 gggatctcga tgggggtttg tttgacgaat ttactctgga gggcatctac aaaagcgaaa 360
 gtgacggcgc gggcggcgtg attgagaaag aggaaggcga gacgacagct gttggggaga 420
 cccttggtgt tctagacttg cttcctgccg gagcggagat ctgcgtgacg aagctttatc 480
 acaaccgcc ttgctcatca agacgctggc accaaacgtc agccgtcaga agatcgagga 540
 gttctgcaag gaacatcttg gagaacagga tggagggttt agatggctca gtttaagtga 600
 tccgaaccgg tcaaagaagt accataggat gggatggatt atgctacatc ctgccccga 660
 ggttgcggtc gtcgaaagag gtgatggacg cgaagaagag ggcgagatgg accaggacaa 720
 tgttgccaat ggatcgggag ctgccaccgt tgctgaaaag gcacttgagg cgactaacga 780
 caagacaatt catgaccag ttcattggaga ttttgatgc catgttggtg ttcacgcgcc 840
 gccagctcaa cttcgaaaga aagccctatg ggatcttttc tcttcacctg accggattga 900

gcgcgatctg gagttggcta ggagattagt cgggaagctt gactctgaaa tgggacacgg 960
 cgctgatggg tacgccaagg tcgaagaacg tgttgaagaa cttcgcggaagg ggggctgggt 1020
 gcaaccaccg gttactggac ccgttagtgt taagagaagg aaatccaact tcgacgctga 1080
 cgatgttgat gagggtgagg ctgaagaagg ggaagagcag gaagactggg cagacgatga 1140
 ggtcgatgat gaggagctcc tggcgaagaa gaagaaattg gatctgatgg tagaatacct 1200
 tcgtcgagtg tataacttct gcttcttctg cgttttcgag tccgactcgc tccacgagct 1260
 aacgcgcaag tgtcctgggtg gacatctccg tcggccacga agtgggtctta ccaccaggc 1320
 caaagccgtt gctaaagcca gtgccctcgg gcaacctttc cccgtcaaga ggaaagaccc 1380
 cagcgaggaa ggcgaggagc aagcacctc tagtgagaag gagagacgct cccagagata 1440
 cagttcgaag tcggagcagc aactgcagcg tgcgtttaac tgggtaaaga catttgagga 1500
 caagattctt cagattctcg aaccagagaa tgtggacatt gtcaaactcg gtggcaagcc 1560
 cgttgacgaa gccttggaag aggaactggc caaacatgac aagcaggagg atgagtcaaa 1620
 gttccggtgc aaggtgccag aatgcacgaa attgttcaag gcagaacatt tctggcgtaa 1680
 acatgttgag aagagacact cggagtggta tgaacgtatc aaaaatgatg taagttgaga 1740
 ttgctctgag cggtgacaat gtatgctaatt taccacta cagctcacc tctggaacgc 1800
 ctatgtgctt gacctgctc gcattgcgcc ttcgcggtcc gacgccaata gcaacggcca 1860
 cttccctctc agtccgggtc agaaccaggc tggcacctc gtggtttcag tctggcagca 1920
 atgccccctt 1930

<210> 20546
 <211> 1940
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20546

atatcttcag tcctttctca caggaacagg tcctgacaga aggcgtggga ttgggactgt 60
 gcattgccca taaactggta acttaccttg gcggacagat tgacatcagc agtgagttgg 120
 gtgtaggcac gcaagcttgc attcggatcc caatcaggtt tgcagatgaa gagcaggtag 180
 ttggcaattt tgggtccgaat gacgatggaa cttgctgtgc gaagaaagtt tgtctcgtgg 240
 acctgaatcc agtccttccg gaagaccagc aacttcttct ccccgaggcc aagcgaaaaa 300

ttgcagtcgc agacgcactg tgcagtgcgc tctcaactag agatgattgg gaattgctgt 360
 ttgctgacga tatggacgac gcctcgggcg atatcgtagt tttggaacag tcgaagctgg 420
 aaaaactcgc tatccccggg ccgttgaaaa ccacattccg gtctgtcgtc gtgctcagaa 480
 accacaatgt atctgctttc gaagacttga aattggatgg tgtagtcaat attgcttaca 540
 tctcccaacc gtacgtactt cgcgctgtga tttagtaaac tttttctggg gctgatacta 600
 ctgagactcg gtccacgcaa aatcaccagc gcattgaaac agattgcaga acctgacggg 660
 cttaactcgc gttcttttacg aaatgaccaa agtcgcgagc actcaataac aatccccccc 720
 gctcccagtc tcgactcccc acctgctgtc aggaacagtg tatcttattt ttcagccgcg 780
 gaagcaggcc cactacaggg cggactgcac gttttgatcg tggatgataa cgacatcaac 840
 ctcaaggtag accctaattg gcctaggtgc aaggttcatg ttaacaatgg cttagggttt 900
 gtctacattc atgtcgaaaa ttggatgctc ctacgacacc gtttcaaattg gactagttgc 960
 cgtagagaag taccgacaaa cgcagcaaaa gttcgactac gttttgatgg gtaaataatgc 1020
 actagccaaa tattccttca aggttaacgt ttcttagata tatcgatgcc gattatggat 1080
 ggaatcacgg catcaaggac gatccgcgag tacgaagatg agagtctgtt ggagcgggtg 1140
 accatcatgg ctgtcacggg cgtggcatcg agcgatatgc agcagcaagc ttttgccggc 1200
 gggatggacg attacctggt gaagccattg tcacttcatg atttgaagcg gatactgggc 1260
 gtgaactgag agtaccattc ttatggtgct ttcggttttc tgcatttcga gaccagcgca 1320
 atattacagt agtgcaaagg gttctacttt tgagcgtctt ggatgacggt tcaaatacaga 1380
 tataccatt tagcacagta atgaaccact cttcccgcca agtcttttagg ccgaggcttg 1440
 tattcttgca tccagcgag tttaccgct atgccgccc aatggctaaa cttgcccctg 1500
 aaagagtgtt gacaaattta ccagcagacg aaataaacgg tcaaaatcca cttgatcggg 1560
 catgaatcaa gtgggcctgc ttcgatggca ctgaagggtt gtatttccgg aactccacgg 1620
 atatacggct ttgacttatg tccgttcgct ataacaccgg ttcatatagc caataaggaa 1680
 caatgaaaat ttgactgtgg gatatatagc atgaagcttg ccatggtaat gtccctcact 1740
 catggaacac caatggccta tcaagatgaa gtgggtcaatg ttggcagcag ggtgtgagac 1800
 actctccatt acggcatcct cttcttcgct cgaaatgatc gaccttgagc aaggcgggtc 1860
 tgggatctta aagagactaa cgctcacatt ccgtgacctt actgtcaatg tcaactgccc 1920

<210> 20547
<211> 1960
<212> DNA
<213> Aspergillus nidulans

<400> 20547

tcggagtatt caagaacatt gagcacatgt gttcaaggac tcgaagcaag acctggggca 60
aagatgcctg gaagaagatt gtgggtctgcg tcattagcga cggtcgtgct aagattaacc 120
cgcgaaacgcg cgcgggtcttg gctgggtctgg gatgttatca ggatggcatc gcgaagcagc 180
aggtcaacgg gaaagacgtt acagcgcata tctacgagta cacaacccaa gttggcatgg 240
agttaaaagg gaatcagggtc catctcaagc ctgctcgagg agtgccgggtg cagatgattt 300
tctgcctcaa ggaaaaaac cagaaaaaga ttaactcaca tcgctgggttc ttccaggctt 360
ttggccgtgt acttgacccc aacatctgtg tcctactcga tgctggcacg cagcctggta 420
aggattcgat ctatcgtttg tggaaggctt tcgatgttga gccgatgtgt ggaggtgctt 480
gtggtgagat caaggtcatg ttagaccatg ggaagaagtt gttcaatcca ctggtcgctg 540
ggcagaactt cgagtacaag ctgagcaaca tcctggataa gcctttggaa tcggcctttg 600
gattcatttc tgtgcttccg ggtgccttct ccgcctaccg ctatattgca ctacagaacg 660
ataagaacgg ccaagggtccg ctggagcggg acttcctcgg tgagaagatg cacggcgcca 720
atgcaggcat atttactgcc aacatgtatt tggccgagga ccgaatccta tgtttcgaaa 780
tcgttactaa acgcaattgc cgctgggtac ttcaatatgt caaatcctca actggtgaaa 840
ctgatgtgcc ggatcagatg gcggagttca tcctccagcg tcgtcgatgg ctgaatggta 900
gtttctttgc ggccgtctat gccattacac acttctatca gctttggcgc agcgaccaca 960
gcttcattcg aaagttcatg ttgttgatcg agacgatata tcagacgatt aacatgctgt 1020
tcgcttggtt tggcattgta agtcctctct ttggatacat tggagcctac taattgctat 1080
agggtaactt cttcttggtt ttccatatcc tcacaacgta tcttggcgat gcagacctcc 1140
taggaactgc tggaagggtc ttgggagtag ttttcgaatg gctctacctc gcaacctggt 1200
tgacctgctt cgttctatcc ctgggtaatc gtcctggcgg ctccaacaaa ctatacatga 1260
cgatgggtgta tttctgggtt ttcattcatga tctacctcgc gttecgctgcg gtcttcgtga 1320

cggtgcggtc cattcaagaa gaagttaagg atggctcggt taccttttcg acgcttttca 1380
 ccaatagcac tttcttctct ataattgtct cgctgggctc gacgtacgtc atgtgggttca 1440
 tcgcatcgat tattttcatg gacccatggc acatgtttac atgcgtaagt ctcgacttgt 1500
 gatgttcttc aatatgggtc tgacatttgc agttcattca atacatcctt ctaaccctta 1560
 cctatatcaa cgtcctgaac atctacgctt tctgcaacac gcacgacata acatggggta 1620
 cgaagggtga tgacaaagcc gagaaactac catcagcaaa tctcaagccc ggtggtaaag 1680
 tcgacgtcaa cattcctcag gatgacgggt atcttaatgc ccagtatgag gcgagctca 1740
 tgaaattcgc tcagaaacca cccaaggaaa tcaaaccat ttctgaggag gaacgtcagg 1800
 ccgactacta caaggggttc cggctctccg tcgttctcgt ctgggtattt tgcaattttg 1860
 ctctgggcgc tgttgctctc agctcgccg gactggatcg cttcagtgat gacgccgagg 1920
 ccgcgagac agataggaac aatcgggcca tgatttacat 1960

<210> 20548
 <211> 1966
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20548

ggcaatgtcc gaaaagggca gacaatctc attcatgaag cgacaagctc cattgggttta 60
 gccgctatta ttctgtgtca aatgcttggc ctcgagatat attgcactgt caccagccct 120
 aatcaagcgg aacacatcac caccgcttcc aacattgctt ccagccacat atttgccctt 180
 ggcgatgcgt cttttcaatc taacttgatg gctgcgacta gaaaccgagg tgtggacaac 240
 gtactctca acttgccgtc ggtggatgtg ttgcaggcct cgtggaaatg cgtggcctca 300
 cgaggaaagg taaggacttg catctgttct ccgcaatgga cgtccgattg atggctaata 360
 attgtctagc taatcacact agcaaagccg gggctttatg atcgtgcaga gttggatttg 420
 gaccttttga agggcaatag gagcttcggt gtgggtgaca ttacctccct tcacgaogta 480
 tatcaagagt atgcgccag ttcccttcc atcccacgga aacgccactt ttgtgtagct 540
 ctaatatcct cgctaggctc ctcgatgaga caatccatct ctatactcac ggccatatca 600
 aacctattac gccaaactcc attgtcgggt ccgaccaact tcaggattta cttgcagttg 660
 tgaaccaaag caagtcatta ggcacgactg tgggtgtagt ccagatgca gccaacgcac 720

tcccagtaca cacagccac cctgagctta agctgcgacc agatagagca taccttctag 780
 tgggagggtt aggcggaact ggccaatccg tctcaacgta tctggtcgaa cgcgggcgccc 840
 ggcatctcgt ctatctgtct cggaatgcgg gtgcgacga acgccaccga caatttattc 900
 aggagcttga aagccaaggg tgttctgtac aggcagttca aggggatgtt gccaaactgg 960
 cggacgtgaa aacagcagtg gaagcggcta gccagccaat tgccgggtgtg ctgcaaactgg 1020
 ccatggttct gaatgatcgc ccttttctga gtatgtttca cgacgactgg tgactgcaa 1080
 ttcggcccaa agtcgacggg acatacaacc tgcacaaagc gctgctggat gcagatacaa 1140
 cccttgactt cttcgtgggt ttcggatccg tctctggcgc attcgggatc gccaccagg 1200
 ccaattacgc ggcagcaaat acattccaag attcatttgt gcagtaccgc cacgcgcatg 1260
 gccttctcgc atctattttg aacatcgggt ccatggcgaa tgcgggtac gtgagcgaaa 1320
 atcacgccgt cgaggaattc ttccgcgctg ccggcatgcc gtttctatcc gagggagact 1380
 tctttgaagc actccaccat tcgatccgtc accaatttac tgctgctcct ttggcgcagt 1440
 caaggatcgc agctacggcg cacggctcag gcgcaggtgc gaccaacgtt gccagctcg 1500
 ccctaggcat tcggtctacc aaaccgatgg atgatccag caaccgctg ctctggaaac 1560
 atgaccggcg agtggacata taccggaaca ttgaagccgc acggctgcag gacagcacgg 1620
 atggcagggg cgggggagc gaagacaaac tcgctgcgtt catgactgag ctgcgggtcca 1680
 gccgctcgt gctggatcga ggggacacct tggccttctt tacgcatgag attggcgtca 1740
 agatctacga gtttatgttg cagccgggtg aagagcttga cgtaaccaa ggcttggtca 1800
 cccttggtggt ggactccctg gttatcgttg agattaggaa ctggctgcgg cgcaaattgg 1860
 aagtcgaaac cagtacactg gagatattga atggcggcac tatcgagact ttgggacaga 1920
 tctgtttcca tagattgcgc ggaaaatatg gaggatcggc tccggg 1966

<210> 20549
 <211> 1988
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20549

tggcctgacc actcgcgatc tacgggtgtt tgatctccct tccgctggat ttccgcatgt 60
 cctggttcgg gaacatgcga ttttgggtcca cttgtttgat ctgcggctgc tgattgagtg 120

tgaccatgtc ttgcttttcc atctggctag taaatctgtt gaggctggga gtgcgagttc 180
 caacagtaat ggcgacgacg atgaaagtga ttttggcatt ggtagcagtg tctcacaggt 240
 tttcagtcac aacctcgagc gaaagcttct aggtagcgcc aacagtacaa cccagcctta 300
 cgaactacgg gttctcgaag cagcgcttgc ctcagcgacg tctgtcctcg aagcggagta 360
 cagccttacc gcagacgaag ttcccaactc ctccggaaga cacaccagga cgcgcccttc 420
 atatcagaca aggaaaagga atacgagtcg cttatccacg cccttcttcg cctttctcgt 480
 catcttgcaa gtattgatca agccgctcgg caggttcgca cactgacttc cgaggtcctc 540
 gccgaggatg aagatatggc gaatatgtac ctcaccgata aagctcaggg aaagccacat 600
 cttccgtccg accaccagga cgtcgagtac ctttttgaag cgtactttaa ggccctccgac 660
 accattgtgc aggaggccac acgtatgatg ggcaatatca cagcgacgga agagacgatc 720
 cgcgctgcgt taagcgtgcg gcgtaaccag atcatggttc tcgaggcgcg gattgagatc 780
 ttgaatgttg cgcttgacagg cgggacgctg gtggcaggat ggtatggat gaatgttggt 840
 aatgggagcg aggaaagcag tacggccttc ggggcgattg ttgtgggcag tctgatgggc 900
 gttggcctca tcacctgggg tgggctacgg cggctgaaga ggattaataa aatacgggtt 960
 taatctaatt tgctgataat ggggggtgtga gtggacttgg aattgaactg agcccgatg 1020
 tctcaattat agtaatacct aggtatttga ttatcgctt tactcgtcct gcgaccggc 1080
 ctgctgaaga ggttttggtg catattcata ttatatttct ttcatttgcc agcttggtg 1140
 ttatcctcat cccaagaagc cagatggcat caataaccaa gtgatctaaa catgaatgaa 1200
 gcagtatttc cataaattct acggaaatgg gatggtcaca gatgctgcct ttgccagag 1260
 cgtataaatg gacctcaatt cacctagggc tgtggagctt tctagttttg ttagttcaga 1320
 tcttcttaga tgggtccata tcgtagttcc caaggatatt ctggtctgcc agccacgagt 1380
 cgtgttcttc agcatcacgg ttaccgtacg agccaaaatt ataccatggc agagccatgc 1440
 ttttgaaaga gcggctcgcc gtctctggaa tactgacat acccatgt cgccacaat 1500
 agtgacacta gacaccagaa cgtgccttcc tggccaataa cccattttc cacagggaga 1560
 gcatattcga tacttctctc atcgctccc tcacaggcct taggttttta tagtttggt 1620
 gacctcgact tggagagctc tacattgaca caaacaatca ctacgctttt tcttctttat 1680
 cagtttataa gacataacta ttctcgctt ataggtagca ttcaaatatt ttgagttttc 1740

tggtaatagg agactttata agaacagttc agtgttctcg taactgtaaa accaaccct 1800
 ttcccataac cagtcttcca aggcgcattg tgctaccacg ccaatagctt ttcattccgt 1860
 gcacaaaaaa cctgtttgcc atgactgcaa aggttcctgt aacacgtaag gcctgttgcc 1920
 ggggtctgat cgagtcacat tgccgtgtcg tgtagactgt tattgttccc acgacagcac 1980
 agtgggtga 1988

<210> 20550
 <211> 1989
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20550

tggctgaaca cgaggaactc agcgagttga ttgccgcagc tgctgtcaag gttgtagaac 60
 aattccgccc gtgggtctct gctgtcgagt cgataaatct gggacctttg gggaccagtt 120
 tccaaaatcc ccagctcatc gatttcagct cacagaagca acgagtttat gatgccatag 180
 ctgactttgt cgtcagctgc caggcggttt cggcaccgct tggatgatgaa tgggcagAAC 240
 ttgcggtga ctcgcttgag gatcgcttga atgctgttcg ggggtgttgcc cgacaacttg 300
 agaattatgt ttctcagatt gggttctctc tctcgcttct ccttgAACag gtgcccgaAA 360
 cacctactct acgtagcgaa agtcgcattg gcggtgatag tgatggctat atgggcctgc 420
 acagtcgctc cgagtctcgt tcgaccgagg tcggtgtgccc atcagcacat ccgttgagc 480
 ggtctcccga gaaaatgcgt cgtaatatgg acaaagctca gaggtttttc ggacaagctc 540
 ctcccgcgc cattacaaga gaaccattc gagaaatagc ccgtgaacct gaagagacac 600
 cgtgggtttt gaagatggat catgaaggcg aagtgttcta cgataactaag aatgacgtgc 660
 cgactctgaa gtgcggtaca ctggcagggt tggtagagca cttgacccgt catgacaagc 720
 ccgatatgtc tttcaatagc accttcctcc tcacttaccg ttcctttacg accgcatcgg 780
 agctttttga gatgatcatg caacggttca acattcagcc tccttttggc ttgaacgccc 840
 atgagatgca aatgtgggtg gacaggaagc aaaagccgat tcggttccgc gtgggtcaata 900
 tcctgaagac ctggttcgaa aactactgga tggagccaaa tgacgagtcg cacatgcagc 960
 tcctctagcg tgcgcattcc ttcaccaaag attcaattgc aactacgaag acgcctgggt 1020
 caactcagct tctggcagtt attgagcagc gtctgagggg ccaggatact accgttaagc 1080

gactggtgcc cacgcaagca acgcccgcgc cgacgccaat cattcccaag aacatgaaga 1140
agctgaagtt cttggatatt gactgtacag agttcgcccg tcaactgacc atcattgaat 1200
cacgccttta ctccaagatc aaacccacgg agtgtctaaa taagacatgg cagaagaaag 1260
ttggccctga cgaaccggaa cccgctgcaa atgtgaaggc cctgattctg cactcaaacc 1320
agctgaccaa ctgggttgct gaaatgattc tcaaccaaag cgatgtgaag aagcgagtgg 1380
ttgtcattaa acattttgtg aatgttgccg atgtatgtgt tcctgaccat ctttgcgaaa 1440
ccgtactaac tcatactaga aatgtcgggc cttgaacaac tattccacac tgacttcgat 1500
tatttcgggc cttgggacag ctcccattca tcgactttct cgtacatggg ctcaggtcag 1560
tgggcgcaca tctgccatcc tagagcagat gcgcagactt atggcgagta cgaagaactt 1620
tggtgaatac cggaagcgc tccatcttgc caatccgcct tgcattccct tttttggtat 1680
gcaatctaga ccctatcttt tttttttaag cctttggaat ccgctgtagt tcacaaataa 1740
tctaaacttg gcaggtgtgt atctcacgga cctgacattc atcgaggatg gtataccatc 1800
tcttacgcc tccgaattga tcaatttcaa caaacgaacc aaaacggcgg aggttattcg 1860
tgacatccaa caataccaga attcgcccta ccttttgacc cctgtcaccg aattacagga 1920
gtacattctc agtaacttac aaggggcggg cgatgtgcac gacatgtacg atcgaagcct 1980
ggaagtgga 1989

<210> 20551
<211> 2004
<212> DNA
<213> *Aspergillus nidulans*
<400> 20551

cggagaccgg gactctgaaa acttcgcccc ttttctggtt aatgatgtat acatcgtcgt 60
tgctgcagga gtcacattct actgcgcctc actcatcatc taccggcttt atttccaccc 120
actggctggt tatccaggcc ccaagcttgc ggctgcgacg cgatggatat agttctacta 180
tgatgtgata cggcagggca agtatgttta cgaggtgaac cagatgcatg ataaatacgt 240
tatgtcttga acctacccat agtcaatcgt caatatcaac taagtcgtag gccccattgt 300
ccggatcaac ccgcacgaga tcgtgattaa agaccagag ttctataacc agatatacgt 360
ggctggaaat acgcgccgca cggagaaatg ggcgccatca aatatcggcg ttgatggcaa 420

gtattacctt ttctatggag taggtatcaa agccaactgc agctaacaag ccaggctcga 480
 ttgtgatgac cgtggggccac gaactgcaca ggctgcgtcg taagcctcta gatcccttct 540
 tctctcgtat ggagattgac cggctcgagc cgctgatcgt caaagaagcc aaattgctca 600
 accaccggct gcagagctac agcggatcag ggcgcgtcct ccgacttgcc gatgtcttct 660
 ctgcctttgc ggttgacatg atcactcata tctgctcgga ggcaggaccg gtgatgatga 720
 acaagccgga gtttgaaaaa gactggtctg tctgcagcat gccctagcgg aatgcgatgg 780
 ctagcaagtg tctaggaatc aactcctcct ggcaggaatc caccgacttc ctctcctcat 840
 gcatttcctt attccgatat tgtttgtgac cctatagccc tgagcattac aacgactaag 900
 aacaggataa accagccttg ctcaactgat acccatcaca ctctccgca tattcccggt 960
 actggcctcg tacagactcg cgcacgaggt acatctcctt ctctatgacg ttccaaaaag 1020
 ccatacctaac atgtcaataa ttaaaccagc ttgctacaag acacatcaac gacgcaaaga 1080
 gatagagcct cagtcttgac gctagaaagg tccaacaaga aaccaagaat tctcttttcc 1140
 gccaaactct tcccccttcc agcgcctggcg ggctgcctga gtctgaactt gacgctgagc 1200
 gcctcgccag cgagaccatg gtgctgtttg gtgcaggcac tgtcacagtc acgagcacgc 1260
 tcagccttat ctgctattat attctacgtg atagccatat aagagaccgg cgagccgggg 1320
 agctggaggg tgtcatggcc cagtatccta ctagtatgcc tacttggcaa cagctcgaga 1380
 gactgcctta tctgcacgcc cttgttcaag aagggtgag gtacgttccc tgcctacttt 1440
 cgactcaaac tgtgcagtca agtaacggca gtctaaactg gaatagactc agctacggca 1500
 ctatgcgccg tctccccgcg gctttccaga cgcggccctg cactacaaac aatggaccat 1560
 cccgcctgaa cccccgtggg catggctgca tacagcctgc aactgacct tgaggtctac 1620
 ccagatccgt tcgagttctt gaattttccg cagcctaacg cccagaacaa aacgcagcct 1680
 ggcgtatgcg gaggtgtact gggctctggc ggttatgttc aagtcgaatg caccgaagct 1740
 acagttgttt gagactgaaa agatggatgt agagcatgtg gtggactcca tggttgcctt 1800
 gcttaggttg ggcagccaag agactaggat tacagtttgc tagtatcaca taatgagtgt 1860
 atctagagtt atagtagcac cggttaactg gtagattgag aactatcata acagacgggtg 1920
 acgggaagct gcgactttgc tattaagtac tcatagctca tgactagtgt ccaaccctat 1980
 tgagcagaaa tccacgagca ccgc 2004

<210> 20552
 <211> 2012
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20552

```

ccctccgaca ggggattcca tcctttatgc ggggtgttgc cacagtaccc ctctcgagtt   60
tgaagtccgg tcggtcccta ctcaatggct tttgctggtc atggctggca agggaaacgg   120
ggagcagtgagg agggtaggcc agttcaggca aggcaagaaa gggctctgggt ggcgggatat   180
tttagatttt cagctataag gctgacgggg ctatgaggga ggaatggctg cgacaagttc   240
atgtccaaag acttgcaaag attcaatatg ctgttgctgt actgttctcg ctttcatctc   300
tgcgtccttg cagctctcat ttgtctcgcc attgtgagcg cacagcaaga ctactcttgc   360
tctcctgtca gaccatgcaa actaggatgc tgcgggaaga acaatgtgag ttggctcgtc   420
atgaggggtcc aacttggtct acaaggaaca ggtctgcggt atggggccct cctactgcgc   480
cagcgagaac tgtacctoga cctgcgacgc aaagagcgag tgtgaccag gctggggctc   540
gcaatggagt cagcgcaaaa gctgcccgct caacgtctgc tgctccaagt atggtttctg   600
cggcacaacc gaggagttct gtggcgatga aaaggtcacc aagccgagtt gtcccggggg   660
gacgagcgca agcaaaaagg tcattgggta ttatgagggg tggtcgacaa gtaagaagtg   720
taatgggcgt aagtctttcc actttctgtc tgtgtatgtg ggggaaaaca catgagtgag   780
ccctttctga catctcagtc aatccggagg acttggtgat gggggcgtag acgcatctca   840
attacgcgtt tgcatttatt gaccagaga gctataagat tgccaatatg caggactctg   900
acgaggagta tatgccgcgc ctgacggcac tgaagaacta taacccagc cttgaagttt   960
gggtaggtca gacgcagctg ctcatcgca gatagatatt aacaagctca tgatagattg  1020
ccataggtgg ctggagcatg aacgaccccg atcaaccac gaggcggacc ttctccgagc  1080
tggcggcatc caagtctcac caagatgtat tcttcgagtc tctcctctcc ttcatggaca  1140
agtatggctt tgacggggta gacattgact gggagtatcc gtaagcgacc gtgcgtttca  1200
gtacagaagc atagattgac tggagagaag tgtagcagaa gagcgctccg gcgccccga  1260
ggactttgaa aactatgtat ccttcctcaa gaatctccgg gctgtgttgg gaaaccgagg  1320
gtcaccatc accctccccg cctcgttctg gtacctgcag cactttgaca tcaagaacat  1380

```

ggagcccatt ctcgactggt tcaacatcat gagctacgac ttgcacggca cctgggatgg 1440
 cacaaaccct tatctgggcc catacattaa ttacatacag aacctcaccg agatcgacct 1500
 cgccatggag ctcttttga gaaacgacat agaccccaaa aaggctcgtca tgggaatggg 1560
 cttctacggc cgcagtttca ctctctcaga ccagcatgt aacactccag gctgcggctt 1620
 ctcagcaggt ggcaaccgg gtaagtgtc gccgtcggca gggagcttga tgttctctga 1680
 gattcaggag attatcgatg cgggcggcgc caaagtgcg aacgacgaga aggctggcgt 1740
 gcagatggtg acctgggaca caaaccagt ggtatcgta gacgatgacg agactctcaa 1800
 agctaagatg gactacgcca acgagctctg cctgggcgga gtgatggtct gggcagcctc 1860
 gacagacgac cacaaggca ccgccattcg agccctagcc aaggccgagg ggcgcaccga 1920
 cctgactgtc cctgtgtctg cggcaaaggc caacaacgac ccaagccagt gcgtctgggg 1980
 cgagtgcggc gctgactgcc cttcagggtt ga 2012

<210> 20553
 <211> 2025
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20553
 tcccccaacc aggtcgggtca catccacca aaaccctggt agcacgctaa actttacagg 60
 cgggggttgaa agtcacattt accaactgtc caccgtaaga attctttaa aagccttgga 120
 tcgatcagtc aatactcata ttatactaga aactcattga ccggggacat aaagtcatca 180
 tcattacca tgcctataag ggtgcacgg gtgtccgtta cctgaccaac ggcctcaaag 240
 tttatcatgt tccattttta gtcataacc gagagacgac gatgccact gttttctcct 300
 ttttcccat ctttcggaac atcgttatcc gggagcagat tcaaattgtc catgggcac 360
 agagtttgag tagcttctgc cagcaggcta tactgcacgc ccggacaatg ggcctacgga 420
 ctgcatttac tgatcattcg ttgtttggt tcgccgacgc cgggtccatt ctgaccaaca 480
 aattgctgaa gtttaccctt agtgatgttg accatgttat atgtgtcagc catacttgg 540
 gagtctgctg tgcaagcttc tcagttcagt catcttaatg ttgcctgcag caaggagaat 600
 accgttctcc gggcctcgtt ggaccattt atggtctccg ttatcccaa cgctgttgtc 660
 gcggaaaatt tccggccact gcatgctacg gcccgggcga atgagcggca gtctggcggg 720

ggatcacaga tacagcctcc tcccaggcct attggaccga acgacatcat taccattgtt 780
 gtgatatcgc gtctcttcta caataagggc actgatctcc taatagctgc cattccaaga 840
 attcttgcac cccatccgaa cgtacgggtc atcattgcgg gctcagggtc caaggccatc 900
 gacctggagc agatgctgga acggaatgtt ctccaagaca aagtagaaat gcttggggct 960
 atacgacatg aagaagttcg ggatgtcatg gtcagagggtc acatttatct gcatcctagt 1020
 ttgactgagg ccttttgaac ggtcattgta gaagccgcta gctgtgggct atacgtgggtg 1080
 tgcactcgtg tcgggtggcat tcccaggtg cttccccagc acatgacaac ctttgcaaaa 1140
 ccggaagagg acgacattgt gctagctacc agcaaagcaa tcagtgcatt gcgatccaac 1200
 aaggtcgga cggaacgatt ccatgatcag gtaaagggtca tgtattcatg gacggatgta 1260
 gcgcgtcgaa cagagcgggt atacaagggc atatctgggg acatcagccc acaagagttc 1320
 tatgggtact acccgggaga gatccaggaa gccggcgata gagttcgcaa ttttgccttg 1380
 attgaccgat tgaagcggta ttatggctgt ggagtctggg ccggaaagct gttctgcctc 1440
 tgcgtcgtga ttgactttct actctacacg ttccttgaaa tgtgggtttcc acgagcaaatt 1500
 attgacatcg cgcgacgtgg ccaaagaagc tgaacggaat tgacggggat actgcgacgc 1560
 cgaaaaagag cgctccggtt gaattcttgt tttcccattt tacatttggtt ttcctacagt 1620
 ccggtcacga tgatacccat tataattggtt tcacgttatt gtacattctg gtgctaatac 1680
 cacaaaatta catgcaaaaa cttctgattc attcttttaa ggacgagaac cctccgcatg 1740
 acttccctct gcagcggtag gcttcttcga gaggtactga tccgtcctag ttccaaagtc 1800
 atcgcgcact cccttcatag cccctcaag tccccgacca gggttcttat tcgtatgctg 1860
 cccatcatgg cgcagctcag cgctactctg tccagaacca ggggtgtccc caccctgggtg 1920
 tacgtctttc gaagtcgctc ccattagagt cgactctgca gaagtcctca cttctcctt 1980
 gccgtgactc cgcaggacat tgggattcat ggctgtctca ccgct 2025

<210> 20554
 <211> 2029
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20554

tgccacccaa cctccccta tcaggcgcag ggcgccgcaa tggcagtaga ggacggattc 60

gcaatcgcca agctgctcgg actttcaaac gtcacatcttg caaccatcgc agacgagcct 120
tcaaaaataca tccctgaact gctcaagatt tacgaggata tccgaaaagc cgcaccacg 180
cgcaccgtgc aagcagccgt caacaacaga aaagtcttcc acattcctga tgggatcgtc 240
cgggcagtac gggactttgt tctgggggat gctggagtga cgagcaagag tgattggacg 300
tggttgttct cgagcaggat gagggcgatg ctggtgcatg atctagatgg ggaatgcgaa 360
agagaattcg acaagtttgt atcaacaaga cgctgatcgt ggtgatctgt ctcatgggca 420
gcagacttct tctgtattcg aggttgaagg ttgaaacagg ttccatgacc agggagtggg 480
ctatctattc tcccgcaact tgagcagaat gtctcttaca tcgcgggtag tgaattcgcc 540
catatctcat aaagcgaagc agaccaggta gttgagcaag taacgaatat aatgatcagc 600
gtctgtatcg gctcggcctt ggactgctga ccttcgccat cgagctcggc tgcagtagat 660
atcaagatcg tccctacat tgcagccgct ttgcactgaa tgagttgcga taccacgcgc 720
ggcatacggc atccacgcgc cgcattgcgt gcggttcac actggagtag aagtatgaca 780
gtcgactgtg cgtagattgc gcaatacatc tcaccaatcc aacagttact ccataggcaa 840
aggctgtact cgatgcgtct cgcgaatcgt cgatagaaat ggcgcgacag gtgggcgtcc 900
tatcgccgaa agccgatgcg tcggcgatta cgagatctat acagcatatc atctataaaa 960
gccggaccat gtccagctca accaaaagct taacatcttc tcatgaagta aaaaaagaaa 1020
gacattatga ccattctcagt tgaatctaca tccaacggca gcgccaaggc cgcctccac 1080
tctcgtctct actcctccgg ctgcctagac ggcttcaa atccacgtcct caccctccagtc 1140
attggaaacg agttccctaa gggctccata aacattgtca acgacatcct caacgcccc 1200
aatgccgagg agcggatccg cgatctcgt attctgagta atatcccgct cctccgccc 1260
gaatgccact aaccacccat gcagttgccg aacgcggcgt cgtcttcttc cgcgcccagg 1320
acaatttaac gaatgagctc cagaagaaac tgattctcag acttggcgag ctactggcc 1380
gttcaaagga acacggcctg cacatccacc cgggtggtcaa cgatgcgcgg gaattcgggg 1440
accccgatcc ccagatcagc acgatcaaca gtctggaacg gaagaagctg tacaaggggg 1500
cctacggcaa cctcgtgcc atctggcaca gcgacatcag cttcgagaag gcgccgagtg 1560
acttctctgc gctgcgattg accctgcttc caccgacggg tggagatacc ctctgggcga 1620
gcggatacga gctgtacgat cgaatcagca agccgtaccg ggcgttcctc gagacgctta 1680

ctgccagaca ctcaggagat gggttccatc gtgcggcgca ggccggaggg ttcggcctat 1740
atgagaaaacc tcgaggatcg ccgttgaatg tggggagtga gttgacgagt gaccatccgg 1800
tcgtgcggac gaatccgatt actgggtgga agagtatctt tccggttggg gagtggcatc 1860
cgccctaatt acctatttcc actgggaacg gttggggcct aggttagaac ggagctgac 1920
gctgcgacag gaacgttccc caagaaagtc aacggcctga gtacccgcga gagcgagaac 1980
ctattgaaat acttccacga cttgattacc tacggccatg acctgcagg 2029

<210> 20555
<211> 2030
<212> DNA
<213> *Aspergillus nidulans*
<400> 20555

tgttgatctc tcaaaagtat gctcaagggt gtgtggtagt gaagaagggtg aagtcacccg 60
catagtggcc gtccgcgaga cgctcgttca ttcgcgcaga ggaattgaga gtgcacggag 120
aggtgaatgg cgcggatctg ctctccgggc ggaggtctgg tccgatgact tttaggcttg 180
gggtgtggagg taatgggtggg aagtaggtgt cggcaattcc gttgttggag agatcgcgcc 240
tctcatcggc cattgctccg tagaaagaat tgggggaatg cgggggtgac cagaaagatg 300
accagaaaga tgggaccaga gattgtacct ggggctgctg cttgggcatt cctagggctg 360
cctggggcgt caaagagatg gtaagagtat aaaatttggg aatatcagga agacatgagc 420
cttctctttg atcagaaggg taattggaca accacatcgg tgctatgcc tgttatcgtg 480
cttgagcgcg tcgcagcgtg ggtggtgcga acagttgtcc tatgaaacga taaaaaatc 540
aaataaaatc aaacaaagg caattaaaaa agattagatt aattgttaat tgagattaat 600
cttaaagcat aagaatagta agaaataata atcacaaata aaaatttgcg ctgtcttata 660
tttcttgagt ttcaatagga tcacagcaag tcagcctata accgcagaat ttacttagat 720
tgacggccct gtgaaggatg actggtgttg atgggaatcg actatttctt tgggctggcc 780
aacaaaagg acagatactg gtggttttgg acttttctgt caccagtaa tcaatcgtct 840
ctggaataaa cagcgtgaac cgcaaagaga ctgtatgcc gcaaataagt ggcttacacc 900
ctgcgctctg caatgcaaga tttcagtagc aagggtctag atgttagagg cgcagcgggc 960
ccagcactca atgttggata ctagattgtc ccggctggag aatgacagaa ttaccttgca 1020

aattcttcta gtcaaggtag acgcgagtc tgcctttcat gtggccgagg ttttagatgc 1080
tcatgcgcac cgactcgtga tgataggcca aagtccccag accgagggct gcgtctatat 1140
gatacttgac gatatatatc tgccaaatct cgacttcgca aggtagtacc aactcctgat 1200
gaggtgctac ggtttgtgcg ccttccatgt atctcgtctg tatgtcacca aagtatgctg 1260
tggagttact gcgctacagc tgtaatcaac tggcaaggaa gaccctcgct gtaaaagcgc 1320
gggcaagacc gtatatattagc aacgacgaaa catcaaagcg ttaaggacgg cgtcaatccc 1380
aaagtcagcc agttcogatgc ctgcctaag aacacccgcc gcgccttgga cgactgcata 1440
gccagccca agggccgcaa gaagagttga catattgagt tggggtgctg caatctaacg 1500
tccggctcga gctcaccctt ggcgatgacg acaaggatta tgtgcaggcg ggtaagatca 1560
gggtaattgc gctgtccgag gtgcgcgcca attcgtctac gaggccgtca agtataccaa 1620
gctcactgcc gtcgaggcgc agctttctat gtaggtttct cttcttcgaa atttcattct 1680
cgtccatttg tccgcgattg attccagtgg ctgagttta ccccgatat cctggataat 1740
gggtgttcag ccgcttgccg gcagtacagg atcccaaccg tcgcctactc gcccatcgga 1800
cgaggtagct tgacgggcca gctgaaacac ttgacctgc ctatggactc ggtactggta 1860
cagttttatt ttccgcgctt tcagcaggtg aacttgaaag aacctcggct ttgagcaac 1920
gtcagaggaga ttgccgcgcg caaaggctgc accccccgca gctggccatc aattggacaa 1980
tcacactggt gcggcggtcg aaaacgagaa ctgtcccaat caccagattg 2030

<210> 20556
<211> 2030
<212> DNA
<213> *Aspergillus nidulans*

<400> 20556

gctctcacga tcacctcgtt gctatccgcg ctggaagcct ccgtcatttc gacagccgtg 60
ccaccatcgt tcgtggcctg aactcggcga tgcctaggtg tgatctccaa tgcatatatg 120
ctcaccatgg ccgccttcca accgctttac ggccggatgg ccaatatctt cggccgccgt 180
agcctgacca tcctcgcagt agtcctgttc ggcgttggct cagccgtctc tgagccaaga 240
gcacagcggc actcatcgcg ggccgcacta ttcaaggcat cggcggcggc ggcatcaatg 300
tcctggtcga taccatcatc tgcgacctcc tcccgctgca cgagcggccc aaatgcatgg 360

gtgtcatctt ttcggtgttt gctgtcgccc tctcgctggg ccctgttatt ggcgggtctca 420
 tgacccaacg tgttacctgg cgttggatct tctatctcaa cctgcccata tgcggcgctg 480
 cgctgtcct catcatcccc cttctcaaag tcaactacaa gaaagtctcc atccgcaaca 540
 tcgtccgcg ccaactttct aggcaacgct ctctggctcg cctccgtact cttcatcctt 600
 ctagcgctaa cctggggcgg caccgtgcac gcctagtctt catggcggac cctcgtgccc 660
 ttgatcctgg ggctcttcgg actcatcgct ttccttgccc ctgaagcctc gactctgctg 720
 ccaaccgacg aaccgaccat gccgctccgc ctcttcggct accgcacctc cctcggcgcc 780
 tttggcttag cattcatcca cgccttactc acctactgga tcaattactt cctcccggtc 840
 tacttccaag cggtggagga agcctcccca atcccctgcg taaacctctt cccagcgct 900
 gtggcaagca tcccatttgc tctctcacc ggcagtagcc tttcaacttt gaaccgctat 960
 cggccttttc atttcgcgg ctttgcccct ttagttattg cgttttagct gttcacctc 1020
 cttgacaatt cctccacagg cagctgggtg gggtatcaat cctcggcgcc gccggcggtg 1080
 gcacctctt aaccaccaca ctgcctgccc tgcaagcacc cctcccagag accgatgtcg 1140
 ccgtcgcgac cgccacctgg gccttctgc gcagtctcag tagcatctgg ggcgttgcaa 1200
 tccccctcgc tgtgtttaac agtcagggtta atcacttctt cccgagccgt ctgggccaag 1260
 agcctttgtt gcaggcccgg ttggccgacg gcggtgcgta cgagcttgct acgaacgagt 1320
 tcatggcttc cctgaatgac cgggtctcatg ttaaggctgt cgtgatgggc gtatacgttg 1380
 atagtctcg tatagtgtg tatgttagct tcgcatttgc tattctgggc tttttggctg 1440
 catttgtctt gaaggaggtt ccaatgcggg agagcctgga gacggagttt ggattacagg 1500
 agaagaagac gaaggatgag ttggggtaag gaagtccgtt agactaattg ctctacgccg 1560
 tcgttaagtc tacagtagct gcttgtggat cggcctctta cgcagataga ctatctgatg 1620
 ccgcttacat agctcagtgg gtaatcatct cactaacact gatatcactc ttatcagttg 1680
 acttctcat ttgccttgct tctccaagct atagaccttt gctctcgcgg tatactctta 1740
 taggattata ctttcaacaa ttcaacggct acttccagtg ctgccgggca aggaggccac 1800
 caacactatt tgcgaattct attgattctg tctaggttct ttaatgtccg gtgtcaggat 1860
 aggctacatc tttgccgtct ttctcactgc ctttgtggcc cttctttggt cgctcacctt 1920
 aggttcatct tccgtctcac aaattcgaat tttctgattc agagtactc tgcaaagaca 1980

ccagtatcta cagctttctg ctagctctta aggggctctt caagacgcgc

2030

<210> 20557

<211> 2053

<212> DNA

<213> *Aspergillus nidulans*

<400> 20557

cgacgccgtc aaacgccata tccaggactt ctcgcaggac tctgagctcg agtaccactg 60
ggttacgcgg cccgccagtc cctgctcaa cgatgcggcg cttgtgagta tctcgcgcgt 120
taccacgagc atgacctggg catgctctat actttcatcc tctgggccgt catctgcggc 180
ctgctcttcc tcttcgtcct tggacgaacc ctgttccctc tgacgcgggc ctctgccct 240
gtcgacagaa cgcatttcgc agactcacag tcttgccaga atgataaagc gcttcttgaa 300
gactcgcggc cgcgccagaa cgtccttac cggtttggtt ccgccatcaa gagcatgacg 360
cggcgggtacc tgctcccaga gagcgggttg gccttcgtgt ttggccacac gacgcggctg 420
cagctcctta tctcgcctat cctgattggc tacctgacgg tcttcacttt tgtcggcatc 480
acctacaaga catggatgag ccccgtaag ggcagcccg gcgtgtataa caccgcacc 540
gggctcgggc cctggtcgga ccgcacggc gtgctcgct tgcgctcac gccgctcgcc 600
gtcatgctct ccagccgaga gtccctgctc tcgctcatca ctgggatccc ctaccaccat 660
tttatgttct tacaccgctg gctcggctat atcatctaca tccagtcgac gctccacacg 720
atcggctgga cgatcatcga gggcaagctc taccagccgc agccgtcggc gtggaacacc 780
tgggttgccg agacgtacat tatctggggc attgtggcga tgatcttgct ctcagtcatg 840
gtcgccctta gcaccccggt ggggatccgg ctgaccgggt acgaagtctt ccgcaaactg 900
cactatgttc tggcgatggt ctacataggc gcgtgctggg gccactgggc gcagctctac 960
tgctggatga tcgcctcgct ggtcgtctgg ttctcgcacc gcggtatcag gctagcgcgc 1020
acattcacga tgcaccactt caacacgcca aacaccagcc acgggttcgg catgcacgtt 1080
cccaatgcgc gcatgacggg cttccagcgc gcgcgcgacg gcgacatcgt ccgcctcgag 1140
ctcgagcaca accacgacga gtggcagatc ggtcagcatt tctttctctg ctttcccgt 1200
ctgagcgtct ggcagagtca tccgatgacg cccgccagtg tgcccgggac gaacccgcgg 1260
ggccagattc atacctatat catccgcgcc cggagcggga ttaccaagcg gctcgcgccg 1320

ctggcgcaga cagctcaagc aacctcgggtg gtcttgaacg gaccgtacgg ccagtcgatt 1380
 gtggacgagg acttttaccg tgacgacgaa atcaacgtct tctgtgttgc aggcggaacc 1440
 ggcgtgacct ttgtcctttc tctcctgctc aggctggcgc agcaggcaca gcgccggggc 1500
 ctccttgaat tcgtctgggt cgtccgtcgt aaggacgacc tagactggat ccagccggag 1560
 ctggagacgc tgaagaaggc tgctgctgca gtgcgaactt tccgcattcg catcttcgtc 1620
 accagagggg ctcacgattc caccgaaccg gtcgcagcat tgggagaccc tttctccaag 1680
 gaggcagacg ccgccgttaa ctgccagaca ccgtcttccc cctcgacgcc atcagtctcg 1740
 cctcatgaac accaggaccc aaccccaact tccacgttca ccatccacgc ccttcgctcg 1800
 gccgcctcct tagccagcgg ggacaaaaac caccgccatc tcgctgcgca ggtgacggac 1860
 tttgtctcac gcacgggtatc cggcccaacg cgcgtctttg ctagcggccc cctcggcatg 1920
 atccgtgatc tacgcagcgc cgttgccctcg tgcaatgatc cgggtaagggt gtggaagggt 1980
 caggagaggt ttgatgtgca gttggtgcat gatgaacagt tggaattcta gctggaagcg 2040
 gagctggctc tgc 2053

<210> 20558
 <211> 2062
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 20558

cgcaggcgcg caccttttac gctactgctc tcctgcgtgg agtgaccgat agctcctcaa 60
 cgatcacgtc ggctcagtca ctggaccagg cttttcagac gctaaccag gtttgtgatc 120
 gatttgcgct ccgttgacgc gtccgtacta taggagcgtt tacatgctaa cggttcgggtg 180
 tggtcagacc ttggaaacgc agaagaagag acggcctcag aaaaacacca atgcacaaaa 240
 ggccaagggg acggacagtc aagagacctc aaagcggaca acgaaacctc ggctgcctcc 300
 caaggagact aaaaaacgtc gggaaactcg tcctcagcat aagcacgccg aaccactggg 360
 tattaacc accaagtgaag gcgtgggtcca acaattagat atacagaaga aacttgcaaa 420
 aaaggctaag aaaattggag ccccgagga gtttccaaag ccgccgacaa tacttagcaa 480
 agcgatcagt acacaagagc gtggcaaact ggactcctcg acatctgcta ttgaagggtac 540
 gtatacacga tacccttttc ttggttcaga atgctcgaag ctaacggatc taaagtggta 600

gatgtgaaaa cccaaccggt gccggagctt tcattcggcc tacagagagt ctttttcaag 660
taagtgaatg ctgcacatctt actgctgaat tcagacgatt aaccaacctt ttatctctat 720
agccctggag tttatcaact gcgcgatccc cgggtcccgtg tctataatct cgatccgtac 780
ctggggacca tcatgcctgt aaccgagttc gacttcgccc ctttgaagga atacatcaca 840
tcttcgagag atgacacttt acgaaacata gcgaaagaga acaagaggaa atatatgggc 900
tcgtctcca gtatgacaag cgttctgtcg ctttttcaat atttggtatc agcatggcgc 960
cctatcaata cgaattcgct ctctcaaggc ttcgaagaca agatgaaaac attcacacgt 1020
ataatgctg cactcgggc tatgtttttg cggtatcagg atggtatcta tgcgatagat 1080
gccgataaag ggttcgacac tgccaacatt ttaatgaatt tgggcaagtc aatggagaag 1140
cttctcacc tgcctaaaga ggaatatgaa cgctatcggg ggtctcataa gaacaaaatc 1200
accgccgaag agggaggccca aacgccggaa tcttaccact actctacttt gggagacttc 1260
atgatgagat cgcagctcga tgcttatgat ccgcgtctcc cgggcacagg aatgtttgat 1320
ttaaagacac gtgctgtcgt atccattcgg atggatgcac gcaattttga ggaaggtcta 1380
ggctatgaga taaaatcgcg ctccgggagg ttcgagtcct acgagcgcga atattatgat 1440
atgatccgct cagccttcct caagtattca ctccaagtgc gtattggccg catggacggc 1500
atctttgtgg catttcacaa tattgaacgg atcttcgggt tccagtacgt cagtttggca 1560
gaaatggatg aaactctgca cggtagatcg aatacagcgc tcggtgacgc agaattccgc 1620
ctgagtctac agctctggaa caagatactg gacaaagcca caaagaaata tccaggaagg 1680
tctctccggt ttactttga ggccagagaa acagttcacc cttcatgta catattcttc 1740
gagcccggtta ccgacgaaga aatccacgcc attcaaacca ggaataaagc cgaaatcgat 1800
gcctaccaac aacggatcct gaacctacct atccaagaag accaggatcc atctacggct 1860
tcgtcgaacg tgcaggacac cgcagccgcc accaatgata caccgccaga atcgcaatct 1920
gaagaagtct cagtcaacgc agagaacttc tcggagacca naaagcgtga ggtctcggcc 1980
atcttcctca ctgttcttaa ctatcataac ggcaagcaag tcaaccgtgt tgatgacttg 2040
aaaccggggg acaagatgga cg 2062

<210> 20559
<211> 2074

<212> DNA
<213> Aspergillus nidulans
<400> 20559

cggagcttcc ctatagcctc ccccggtggtt ctggaatcgt cactcgaaga cctctcatcc 60
tgcaactcat caacaagcca tcacaaataa acggtgttaa ggacgaacag ctcgagacga 120
cggataagga agcgaatctt gacgagtatg gcgagttctt gcacattccc ggccagaagt 180
tctacgactt caacaagatc cgtgatgaaa tcgttcgcga aaccgaaacg aaggttggcc 240
gcaacgctgg aatctccgcc gctcccatca acctgcgaat ttactctccc aacgtcctta 300
ccctgacact cgtcgatttg cctggtttga ctaaggtgcc ggtgggcgac cagccgaagg 360
atattgagag gcagatccgt gacatggttt tgaaatacat tagcaagcca aatgccatcg 420
ttctggctgt cactgctgcc aaccaggatc ttgccaaactc ggacggactg aagctcgcac 480
gggaggtgga cccggaaggt cagcgcacca ttggtgtgtt gaccaaagtc gatctcatgg 540
acgaggttac agacgtggta gatattcttg ctggcaggat tatccctctg cgctggggtt 600
acgttcctgt ggtcaatcgt ggacagcgcg acattgagaa caagcggcct atttctacg 660
cgttgagaca cgagaagaac ttctttgaga gccacaaggc gtaccggaac aaggcgtctt 720
actgcggaac gccgtacctc gccaggaagc tcaacttggg gagtaattcc acgcactgct 780
acaaagcgta ttctaactgg agtagatcct tatgatgcac attaagcaaa cgctgccgga 840
catcaaactc cgaatctcgt cctcgtgca aaagtactcg tctgaactgg ctcaactcgg 900
tgactccatg ctcggcaaca gcgccaacat cattctcaac atcatcacag aatttagcaa 960
cgagtacagg acagttttgg agggtaacaa ccaggagctt tctagcgtcg agttgtctgg 1020
cggtgcccgt atcagtttcg tgttccacga gctgtactcc aacggtatca aggcggttga 1080
tccctttgac caggttaagg acattgatat ccggacgata ctctttaact cgtctgggtc 1140
atcgcccgcc cttttcatcg gaactacagc cttcgaactc attgtcaagc agcagattgc 1200
ccgacttgaa gacccgagtc tgaagtgcac ctctcttgtc tatgacgagc ttgtccgcat 1260
cctcgggtcaa cttctgaaca agcagctctt ccgacggtag ccaatgctaa aggagaagtt 1320
ccatgctgtt gttatcgctt ttttcaaaaa ggctatggag ccacaaaata agttgggttcg 1380
cgatctcatt gcaatggaga ccacctacat caacacggcc caccctgatt tcctcaacgg 1440
gcaccgcgta agtcctcaat ccttttcgcc ctagcaatca ctaacgggat aggccatggc 1500

tattgtcaac gaacgccacg ccgccgctaa gccgaccag gtggacccta agactggcaa 1560
 gcccctgcct ccccgctgcta acagtccctc cgtggaagca actaccccg acaccaacag 1620
 ctcttcgga ttttttggca gcttctgggc gtcaaagaac aagaagaaga tggctgctat 1680
 ggaggcgccc ccgtcaaacc tcaaggcatc cgccgctctt tctgagcgcg aaagtaccga 1740
 agtcgaagtc atcagtatgt ttgcttcaca tcgaggtctt gagatgatac taatatcaca 1800
 cagagcttct tattacctcc tacttcaaca ttgtgaagcg cagcatgac gatattgtcc 1860
 cgaaggccat catgtacacc cttgttcagt aagtactctc gccttaatga gaaggcgctt 1920
 gctgatagcc atagatactc caaggaaggc atgcagcgcg agttgcttga gaacatgtac 1980
 cgcaatgccg agctagacga cctcctcaag gaaagcgatt acaccattcg gcggcggaag 2040
 gaatgccagc aaatggttga gagtctctcg cgcg 2074

<210> 20560
 <211> 2076
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20560
 cgatggatgg ctctggcaca agcatgagat ggtgaacttc gaggctgcaa aggctatttg 60
 tgatatcagg gacgttagtg atgcggaagc ctgcgaggct gtccatgttc tccagttggt 120
 cctctcttcg cctcgtgcca tcacaaagtt cgcagcgatc cgcattctcc accgattcgc 180
 gtcattcaag cctcacgtgg ttaacgtttg taaccctgat attgaggccc taatctcgaa 240
 cactaaccgg tccatcgcca cttttgccat caccactctc ttaaagactg gaaacgaggc 300
 tagcgttgac cgctgatga agcagatctc aggcttcatt gccgacatca ctgacgaatt 360
 caagattact atcgttgagg ccatccgaac cctgtgcctg aagttcccca gcaagcaggc 420
 cggtagctt tcgttcctca gcggtatatt gcgagatgag ggcggtatg agttcaagcg 480
 gaggctcgtt gagagcatgt tcgacctcat caaattcgtg cctgaaagca aagaagatgg 540
 tacgggcttc tccttccgaa ctgttaattt gtgggttatt aacttggtggc agccctcgcc 600
 catctttgtg agtttatcga ggactgcgag ttcactaaat tgtctgtcag agtccttcatt 660
 cttctcgggtg ttgaggggcc gaagacatca cagccgacca agtatatccg ctacatctac 720
 aaccgagtgg tcctagaaaa cgccattggt cgtgctgctg ccgtaacagc tttggccaag 780

tttggcggttg gccagaagga tcctgaagtg aagtccagcg tttctgttct cctcacgcgg 840
 tgccattgatg acaccgatga cgaagttcgc gaccgagctg ctctaaacct ccgattgatg 900
 gctgaagagg atgaaatggc caatctattc attaagaatg gtaagcttgt acttcaccac 960
 ttcgatctcc gactctcgct gactagatag aatcgatgta ttctctttct acttttgagc 1020
 atcaactcgt catgtatgtg acatctggcg ataaagagac ctttgccacg gcgttcgatg 1080
 tgtccacaat tccagttgtc tcccaggagc aggcgttggc tgaggagcga actaagaagc 1140
 ttacgagtgc tacaccaca ctcaaggcac catctaccgg acccccaag ggtgccaaag 1200
 caaatggtgt ggccgaagct gccacggcgg ccgccacaca aaagtatgcc gagcagctca 1260
 tgcagatccc cgagctcaag gcgtacggaa cattgctcaa gtctctgtt cctgtcgaac 1320
 tcagcgagag cgacaacgga atacgttgct actgccgtca agcacatctt caaggagcat 1380
 attgttttgc aatatgacat taagaacact ctcccgata cgttcttga agacgttacc 1440
 gtggtcgcaa caccctcgga agaagatatc ctggaggagg aattcatcgt ccccgacccc 1500
 aaactaaata ccaacgaacc cgggtgtggtt tatgtcacgt ttaagaagct cgagggcgaa 1560
 cagagcgtcc ccgttgtttc atttacaac aacctcaaat tcactacaaa ggagatcgac 1620
 cctacaactg gagagccgga agacagcgga tatgaagatg aatatcaggt caacgatctc 1680
 gagctaacag gttagcgacta tgtcatcccc acatttgctg gcagcttcga ccatgtttgg 1740
 gagcaggcag gtgccaacgg cgaggaagtc agtgagactc tgcaactcag caacttgaag 1800
 ggcacgcgag gtatgtgact tgaaaccctt gattcttgac ctgcgctaac cagtttcaga 1860
 cgcgaccgaa caattaatct ctacactctc tctacaaccc ctcgagggaa ccgacgttgc 1920
 cctcagcaac agcacacaca cccttaaatt attcggaag acagtattag gcggccgagt 1980
 cggggccctc ataaagatgg cgtactccac caagactgga gtgacgacca agatcacagt 2040
 tcgcgccgaa gaaggaggtg ttgcccctgc ggtgat 2076

<210> 20561
 <211> 2080
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20561

tgcaagatgg gcctagaagg atcgcaatca ctggttaagg ggggggtggga aaaacacaag 60

ttgccttggg gttggcatag cgcagacgag accaagattc aggatgttcg atattttggg 120
 ttccatgcac tagctatgca atgattgagc agtcgttccct tgagattgca caaataacttg 180
 gactgttttaa tgtgaagcct gcagaggtta aggaacagat tcaggcatat ctcagctcca 240
 agaacgcagg gaagtggcctt ctgatttttcg ataatgcgga tgatacggat ttgtgggttaa 300
 cggccttatga taaagctcca gctcttgagg actttctccc ccaaagtgag caaggccgca 360
 tcgtattcac taccgcgaac tgggagcttg ctgtggagct cacatactca aatatcgttc 420
 ctgttccaga tgttgataaa gagattgcgc ggagtatcct tgagagccta ctaatacaaa 480
 aaagcttact aaagcatgat agtattatag ttgactctt gaaacatctg gaatatctcc 540
 cactggcaat cgcgcaggca gctgcataca tcaacaagaa gcgtttggat ctggctgctt 600
 acctgacact cttacaagac gaggagccgg atgctgtgga tcttctaagt gagaaattca 660
 gggacccggg acgatacaag gactattgag aatgccgtga tcaccacctg gctaatatcc 720
 ttcaagcaga ttcaacagca ggatccatta gcagcagact atttatcttt tatggcctgt 780
 atcagtcgcg gaaatattcc gcagtctctt cttccagccc agatatcagg gaaaaagaga 840
 gttgatgctt tagggctcct gtgtgcatac aacttcatca acagccaaga gggagacata 900
 aatatgcaca ggctggtaca tattgcgacc cgatattggt tgagaaagaa tagagtgttt 960
 agtcaactggg tccaaagggg agctgatcaa atggagaaag ttttcccaa cgaccactac 1020
 acaaactcag gactctggcg acaatacctc cctcatgctc tggcgttgat gcatgagagc 1080
 gattttacca atcaaagga cccacatata aacctagtgtg aaaatatcgc gaattgtcta 1140
 ttgagcgatg gccgatatct ggaagcggag gttctgtacg tgaagttact ggaattccag 1200
 aagagaaatg gccccgagga tcccgccact ctgaggagca tggcaaactt ggcataca 1260
 tactggagtc agggaagatt gaatgaagct gagaagctgg aggtgcaagt catggagacg 1320
 tccaagatag tgctgggtgc tgagcatccc gacacactga ccagcatggc aaacctagca 1380
 tcaacttacc ggaatcaagg acgatggaat gaagctgaga agctggaggt acaagtcatg 1440
 gagtcatcca agacagtgcg ggtgctgag catcctgaca ctttgagcag catgtcgaac 1500
 atagcgtcaa cactttggaa tcagggacga tttcatgaag ctgagaagct gtttatacat 1560
 gtgatggaga caaggaagat tgtgctgggt gttgagcatc cagccactct gaccagcatg 1620
 gcgaacctag catcaacctc caaaatcag ggaagatgga atgaagcggg gaaactggaa 1680

atacaagtta tggagacatc caaaataact ctgggggtta agcatccaag cacgcttagc 1740
 agcatggcga acctggcatc aacctaccgg agtcagggtc gatggaatga agctgagaag 1800
 ctgtttctgc aagtcatgga gatacggaa atagtgttg gtgctaagca cccaagcacg 1860
 cttagcagca gggcgaacct ggcacaaacc taccggaacc aaggacgggtg gaatgaagct 1920
 gagaagctag aggtgcaggt catagatacg gccaaagacag tgctgggtgc tgagcatcca 1980
 agcactctga gtagcatggc aaacctggca tcaacctacc gaaaccaggg ccgatggaat 2040
 gaagctgaga ggctagaggt gcaggtcata aacacggcca 2080

<210> 20562
 <211> 2080
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20562
 tgttgaaaaa tccctggcgc aaaggcaaaa agagctcaag gaatgtgttg agaaaatacg 60
 cgaagccatt gacgatgaag cccggagaat atcccgcagt tgtcagccaa cggcagaatc 120
 agctggacat ggcgaagagt actgctgagc aaggggccgg tatcgaagag tacatgagcc 180
 gatgcctagc ggccgcgaaa gaggacaaaa tctgtcgagt gtgcgctcgg tctttcaaga 240
 gcgataacga tttgaggact tttttcaata ggctcgaagg tctaatacag agagcaaagc 300
 tgcaagcaca agctgaagac gtcgagcaat tggaacagga tctcaatgtc gcccggtgccg 360
 ctagcactgc ctatgatact tggaagcgtc tcaaagagac tgagattcca gagttgcagc 420
 aggaagacga aaaatacact ctagagcgtg atgagcttct gggccagctg gaggaccgcg 480
 acaaagccgt cagtgaatg gtcgagaaga aacgcgatat tgaagctctg tccaaaacgg 540
 tcagcactat tgtcaggtac gatagtgaac tcaaatcgac tcgcgcacag atacaagatc 600
 tttcctccaa gcagcagcaa aatacagcgg ctctctgtac gctcgaggat atccaagatg 660
 agatagctag catcggcgag aaaaccagag ctctcaaaaa gactctgtca aagcttacia 720
 atgagagggg gcatgcgcgt gcagaaatta acagcctgga actgcagctc agggacgtga 780
 aaagcaatct cgacaatgtc aagtttcagc tcgaaaggaa agctgatctc ctttctcgca 840
 tagaagagta taagactctt aataatcagc aacgggaagc aattgccaaa gcgacagag 900
 atatcgagga tctgaatcca gagctcctga agtatcaagc catatatgac gatatcagtc 960

aacggggccga ggcgcgcgag agagagctgc aacaaataat ctcccaactg tctgacagca 1020
tacaccaggt agagctcgca agcgaagaga ttgacgcata caatgagcga ggtggcccac 1080
atcaacttga tcggagtaaa cgcgagctca agtccatcga aaatgagatt agtcaactcg 1140
aaactgaaca ggcagccctc accaggacga tcaacaagat ctccacacag ctcaaggaca 1200
gtgagaacac aaagcgtcag tatgcggata atctcacata tcgccaatca gtgcgagcct 1260
tcgataaggt cacaagcgag atcagggaat tggagagtaa gaacgcagag gtcgacagga 1320
gccgattcaa ggaagagtct gaacgcgggt cccgcgagca taacgcacta tctgcaaagc 1380
aatctagcaa gatgggagaa atgaaatcca aagacgatca gctgatgcag ctaataaaaag 1440
actgggacac ggactacaag gacgcagcct acaaatataa ggaagcacac atcaaagtcg 1500
aaaccaccaa agccgcggtt gaagatctag ctcgttatgg actgccctcg acaaagcgat 1560
catgaaatat cacggcttga aaatggaaga aatcaacgcc atcatcgggc agctctggca 1620
aaagacttat cgcggtacag acgttgacac catcctcatc cgctccgaca acgaaaacgc 1680
ccgcggcaac cgctcctaca actaccggt ctgcatggtc aaacaaggcg cggagatgga 1740
catgcgaggc cgctgcagcg ctggccaaaa ggtcctcgcc agtatcatta tccgactcgc 1800
gttggccgaa tgcttcggtg tcaactgcgg gttgattgcg ctagacgagc caacgacgaa 1860
cctcgatcga gacaatatc ggtctttggc agagtcgctg catgatatta ttcgggcgag 1920
gcagcagcag gcaaatttcc aacttattgt cattaccac gacgaggagt ttttgaggta 1980
tatgcagtgt ggggacttta gtgattacta ctacagggtt tcgcgcaacg agaggcaaaa 2040
atcaattatc gagaggcaat ctattgctga ggtgtgttct 2080

<210> 20563
<211> 2085
<212> DNA
<213> *Aspergillus nidulans*
<400> 20563

caagccgacg agccccagat acagcccgag tcctcaatcc cagatagccg gtcctctctc 60
aagggagacg cccaccatgc cgaagtatcc cgacaaccat acggcccccc gggctcttcg 120
ggtgtagtcg ccaatccttt tgtactgctc tgcgcggcat gctcaaccg tgggtgacct 180
ccttccttgt tcccacttgt aactccaagc ggctaacagc aagatggggg ggaaagtcg 240

agggttgtcg ttcgggtacg atcaggggtgt gatctcagtc accctgttca tggaaacagtt 300
 tctggggccgg ttcgtggagg ttgccgaggg ccatccggga tcagggttct ggaagggctt 360
 gatgacggca atgtttggaat tgggtgcttt tgttggcgcg ctcaatcagg gctggctcgc 420
 tgataagatc tctcgacggt actcgatcgt tgtggctgtg gctatcttta atgtcggttc 480
 cgtgctgcag actgccgccg tggactatgc gatgcttacc gtcggacgca caattggcgg 540
 tattggcatc ggtatgctgt ccatggttgc gccgctctat atctcagagg tctcgccgcc 600
 cgagtgtcga ggcgcgctgc tcgtcttga ggagttctgt atcgtgctcg ggatcgtcat 660
 tgcgtactgg atcacgtacg ggacacggtt catggccggc gagtgggctg ggagacttcc 720
 tttcctgctg cagatcgtgc cgagtttctgt cttgctggga ggtgtcattg tcctcccgtt 780
 ctcgcctcgt tggtcgcgt ccaagggccg gaatgacgag gcgcttcaga gcctgagcca 840
 gctgcgccgg ctgccgacca ccgaccaccg tatccaacaa gagctgctgg acatcaagat 900
 cgatgtccgc tttcatcaag agctgaacgc cgagaagcac ccgacccttc agggctcggg 960
 gacgacaaag agcctgcttc gcgagctggc cggttgggcc gactgcttca agagcggttg 1020
 ctggcgacgc acccaggtgg cagtccttgt gatgttttcc cagcagtttg ttggtatcaa 1080
 cgccctcatc tactactcgc ccacgctctt caagaccatg ggtctcgatt acgatatgca 1140
 attgctcatg tcgggtatca tcaacgtcac gcagctggtt ggcgtctgca ccagtctctg 1200
 gaccatggac gccctcggcc gtcggccgct cctgctctgg ggtgctgcca tcatgggaat 1260
 ttcccatgtc attattgcag ccctcgctcg tatctactca gacaactggc ctgcgcaccg 1320
 aacacggggc tggaccagtg tcgcttttct gtttgtgtat atgctgcct ttggcgccac 1380
 ctggggatca gtaggctggg cgctgccggc tggtaaggac ctttctctg atgctttcaa 1440
 tagatagtcc tgacatgtcg cagaggtggt ctcttcattt ctccgcgcca aggggtgtcg 1500
 tcttgcaaca tgcggcacct ggctgttcaa ctttatcatc gtgagtcctt cgccattttt 1560
 tttttttttt tgaccgggac gatggactaa tggaaatagg gccttatcac acctcccttg 1620
 attcaagata cagggtatgg tgcgtacgtc ttcttcgcag tgttctgtat cctcgccctt 1680
 atctggacct tcttctgct ccctgagaca agcggccgca ccctggagca gatggacgca 1740
 gtattcaagg acaactcaat cagcgcggag cgggcaagga ggcaggcgat cgaaaatgag 1800
 cttatgggag agcatcatgg cgttacagca tagacagtag tctaaccatt ttatgtatag 1860

cgaaacgtat gatatctagc attccaccct gatcggctct agtctacgaa gatgccgaga 1920
tataatttcgg aaagcccca gaactgacgc ttggcactcg ggtcagttgc gtgtcctgct 1980
ttttttgggc aatgccgatc gtcaccgccc tacgaatcca cctcgacggc gtcaaggttg 2040
atagccggga gcggaacaa accatcatac atggcggctc ggggg 2085

<210> 20564
<211> 2106
<212> DNA
<213> *Aspergillus nidulans*

<400> 20564

tcaagcaaaa gcggtgtgt cgtactaagt aaagctggag atagcgaaaa ggccaggtaa 60
gtggtgggaa gtggtgcgga gtcagttgg tagtatatta cgggtggcctt ttgagaatag 120
gacgaagtgt cttgtacgcy gtcaccagc taggtttgaa tgtgtccagg ttgcaagtat 180
aggtaataag tacgcaagta aagagagagt caatgagtaa tatgatacca ctatagcagt 240
tgatgaaacg gttgaagcgg aggatggggc cgtggaggaa ggagacgac gctatcagct 300
gattctgccg agcggtgaga gactagaaac atcattttcc cccgaaccgg cattacctgt 360
tcacatgagt ctatcctact gaaaatccc cgcctcggga gagcctttac ctgtttcatg 420
tcccgttcgg gatgactatc atgggtgtgac gctcgcatta tggcctcggg cctgttcagc 480
tactccgctc cgttgccgcy caacctcgct tgtctttcaa aagagcgcat tgcgctatca 540
gatatggtgt ctttcggccc tcctgagcgg cttagggccg gtgtcaggtt cttttcgaag 600
tctcgccctt cttacaataa taaccaaag cagaactcgt cgaccaaag ctcttttga 660
tcccgactac gttttgctct acgaaatacc aaggtcgaat ggtatccaat tccggttggg 720
ttgggaattg gtctactagg tatactgcat tattacaagt ctcagcgga tgaacgaata 780
cgacaagaaa gggaagctga agctgctggg gaatcctttg atttctcgaa accacccccg 840
cggccaaaga tccgacctag cgggccatgg caagttcaga ttatgtcaac cctgccattg 900
aaggcaatgt ctcgattatg ggggcgggtc aatgaaatag aacttcctta ctatttgcc 960
gtgccgggat tcaagctata ctcttgatt ttccgctca accttgacga agtggccgag 1020
cccgatcttc acgtatatcc aaatctggca gcctttttct atcgcaaatt gaagcctgga 1080
gtccgtccat tagaccaga cccgatgct attctttctc cctccgatgg gcgtatcctt 1140

cagttcggac tcatagagcg aggggaagtg gaacagggtta aaggcgtgac ctatagctta 1200
 gatgcgctct taggttccgc cactccatct caggcagatc attccaagaa gtttatggat 1260
 catcacaacg agccctcgca aaaggatgcc gccagtattg cggctgatga acagtttgct 1320
 accatgaacg gcatttctta cactttgcca tctctctttt ctggggagac cggaggtcta 1380
 aggaaacgct catcgtctaa agatgcgtcc actgaatccc aaataacgtc cgaaactctg 1440
 gtgcgagaag accttgcccc tggcgatggc accccttggg atgctccaaa acctacgtct 1500
 aataatgctc tctattacgt ggtcatttac ctgcacctg gtgattatca tcggttccac 1560
 tcccctgttc cttgggtcgt tgagagccgt cggcattttg caggggagtt attctctgtg 1620
 tcgccgtatc tacagegaca tctgcctggc cttttcactc tcaacgagcg ggttgtgctt 1680
 ttggggccggt ggcgctgggg attcttcagc tatacaccag tggggggccac aaatgtaggc 1740
 tcgatcaaaa tcaacttcga ctccgagctt cgaacgaata gccttctcac cgacactgcg 1800
 gcggatattg ctgctgcgga agctgcacga cgtggcgaac aataccctgg ctttgctgag 1860
 gctacttacc ttcacgccag tcggacactc gggggccacc cccttcaacg aggtgaggag 1920
 atgggtggat tccagttggg aagctctatt gtactggctt tcgaggctcc catgggcacc 1980
 cgcaagtcac tcgatgccg ctggaaagag ggccagcgag acggtgggtt gaattggacg 2040
 attgagaagg gccagcgcat taagatgggt cagaaggttg catacgttga tatcaaggaa 2100
 tagaat 2106

<210> 20565
 <211> 2145
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20565

ttattcttaa tgtagtcta gtctctctg ttctcgggaa ggggtctgtc aagatgagaa 60
 tggatttgaa ctgcataaaa gggctacagt cgccctgagc ccccatccca gtgcataact 120
 ctcccaacaa tagtgaaact acggagaccg ggactctgaa aacttcgccc cttttctggg 180
 taatgatgta tacatcgtcg ttgctgcagg agtcacattc tactgcgcct cactcatcat 240
 ctaccggctt tatttccacc cactggctgg ttatccaggc cccaagcttg cggctgcgac 300
 gcgatgggat gagttctact atgatgtgat ccggcagggc aagtatgttt acgaggtgaa 360

ccagatgcat gataaatacg ttatgtcttg aacctaccca tagtcaatcg tcaatatcaa 420
ctaagtcgta ggccccattg tccggatcaa cccgcacgag atcgtgatta aagaccaga 480
gttctataac cagatatacg tggctggaaa tacgcgccgc acggagaaat gggcgccatc 540
aaatatcggc gttgatggca agtattacct tttctatgga gtaggtatca aagccaactg 600
cagctaacaa gccaggctcg attgtgatga ccgtgggcca cgaactgcac aggctgcgtc 660
gtaagcctct agatcccttc ttctctcgta tggagattga cgggctcgag ccgctgatcg 720
tcaaagaagc caaattgctc aaccaccggc tgcagagcta cagcggatca gggcgcgctc 780
tccgacttgc cgatgtcttc tctgcctttg cggttgacat gatcactcat atctgctcgg 840
aggcaggacc ggtgatgatg aacaagccgg agtttgaaa agactgggtct gtctgcagca 900
tgccctagcg gaatgcgatg gctagcaagt gtctaggaat caactcctcc tggcaggaat 960
ccaccgactt cctctcctca tgcatttccc tattccgata ttgtttgtga ccctatagcc 1020
ctgagcatta caacgactaa gaacaggata aaccagcctt gctcaactga taccatcac 1080
actcctccgc atattcccg g tactggcctc gtacagactc gcgcacgagg tacatctcct 1140
tctctatgac gttccaaaa gccatcctaa catgtcaata attaaaccag cttgctacaa 1200
gacacatcaa cgacgcaaag agatagagcc tcagtcttga cgctagaaag gtccaacaag 1260
aaaccaagaa ttctcttttc cgccaactcc tttcccttc cagcgttggc gggctgcctg 1320
agtctgaact tgacgctgag cgctcgcca gcgagaccat ggtgctgttt ggtgcaggca 1380
ctgtcacagt cagcagcag ctcagcctta tctgctatta tattctacgt gatagccata 1440
taagagaccg gcgagccggg gagctggagg gtgtcatggc ccagtatcct actagtatgc 1500
ctacttggca acagctcgag agactgcctt atctgcacgc ccttgttcaa gaagggctga 1560
ggtacgttcc ctgcctactt tcgactcaaa ctgtgcagtc aagtaacggc agtctaaact 1620
ggaatagact cagctacggc actatgcgcc gtctccccg cgctttccag acgcgccct 1680
gcactacaaa caatggacca tcccgcctga accccgtgg gcatggctgc atacagcctg 1740
cacactgacc ctgaggtcta cccagatccg ttcgagttct tgaattttcc gcacgctaac 1800
gccagaaca aaacgcagcc tggcgtatgc ggaggtgtac tgggctctgg cggttatggt 1860
caagtcgaat gcaccgaagc tacagttggt tgagactgaa aagatggatg tagagcatgt 1920
ggtggactcc atggttgcct tgcttaggtt gggcagccaa gagactagga ttacagtttg 1980

ctagtatcac ataatgagtg tatctagagt tatagtagca ccggttaact ggtagattga 2040
gaactatcat aacagacggg gacgggaagc tgcgactttg ctattaagta ctcatagctc 2100
atgactagtg tccaacccta ttgagcagaa atccacgagc accgc 2145

<210> 20566
<211> 2182
<212> DNA
<213> *Aspergillus nidulans*

<400> 20566

ctgggtgggc tacgctgggt aagtactgtt tttattatTT tctctcctgc aattgttgcg 60
agaccctgga aacaccaacc ggtgatttat gcgatatgtg acatccgttc atgttattat 120
ccaaggttct atgcaaagaa tccgcgtcaa caactacctg tgagcatatt tgtcaatgct 180
gtgcaatagc tggatgattc catagcggtc atggagcact catgaacttg ttgagggcac 240
aagtctttgt aaatggtttg gctgggtggg ggttcttagg atttgtctct cactagcatt 300
gtctacggca tcggctttga gatatgcttc ttagtgctgc tcaggctatt cttcataata 360
aaagtggtag cttgagagac gaagtatatt ggtacgatca tacagaggct tggccccgtc 420
caactcatcg ttacctacaa gatgagtttt ccgccgttga gcccggtaga ccacaagtcg 480
atatgaaatg tgtaaagagc tcatgatatc agcttagatt ttgcgaacat ggggtctggac 540
caagatgatc tatatgccgc cgctggccat gctatcaagg attagtcctc agcacatcag 600
tcacgtcgtg ttatagcagc aatcaggaca gcagaatcac cccctcccc agcccaacag 660
gcacgctaca taaaccaca gaaacctcat gagttatgct cagtctttag ttcaacaatg 720
tatctccatt gcagagttat ggtcaccacg ttcagcttgc ttgcatatgt gcatggagtc 780
tgtgccatgc taacaacaag ataaacagtt gcatcccttg tctgccttt tgcccatgct 840
ttgcgcccac gaaaacatta tctccaccgc catatgatca tattcctcgc tctcgttccc 900
cttttcatca ttctcacaat ctctacgaa gggctcttct acttcgccaat tgcttttacc 960
ctcttcagct ggggtccaact cgaacagagg atccatcaac attctaggat ccatcaacat 1020
tctaagaacc acagtatccg caatatcatt tctaacgaac cttgtcaacc gggcaacgct 1080
aggaatgccg tagctaata ga ttgcgcccc aacaccgaag aggcccgga agaggagatc 1140
cagcaccgct tgcaacatcc gccaaaggcag cgaacagag aggaaaggct gccttagaga 1200

gaaacatata gaaatctcat cctgtcggaa gttagagtct gtctgttctt ccttttcttg 1260
 ctgcacttcg ccttcttcag caccgaaaac atcgctcggg tctccccatt ctgcctagac 1320
 gctgtctacc ggctactttc tataatcgat tccttcagcc aggcggctct tcttatcttc 1380
 aagattctgg cccactcgc actggtttct gccaaccttg gatttctaac caaaagactg 1440
 aacattcaag gcgggagctt gttgcggggg tggaagcttt gtcggagggtg cttgttagag 1500
 gtgtagagtt tcattacgat ctgtgaaggg gattcgctaa atacaatgaa gaatatgtag 1560
 atcggcggac gggtactaga tgttggcggg tcccattata gagccgctgt accaaggagt 1620
 ccagctccga gccaaaacag gatccatgat ttccttcaac acagcagact ggcacgtgc 1680
 cactttagtc gttccctgat tgagatttgg caactatggg acacggtcgc ttcggacacc 1740
 tggcagcttg tataccactt ggttaactgg acgagcggtc catcgtagag cccttggtat 1800
 gaatgtaaga cctaaataat gagacgacgc tggcattgtt cacgctttag gttaagttgg 1860
 ccacgttagg aattacgcga catcgattcg agaaggttca ttcgtcgttg cgacaataag 1920
 ctgtagcggc gaagtgatac cgctgcgtat ttgctctatc attgaattag aggctagtag 1980
 tccgtaagtc gtggaaaatg ctctcggagg agcgtggggg tgaatccctc tgcccttaac 2040
 tccgccaacg gtaactcaga tccctggcaa cataactgct ggctacggcg cagtctacct 2100
 tcgccgcagt gtataaacc aatgataaac cgccggtgcc agagctccgg acgcgggtccg 2160
 tccaccggcg gctcaagag ac 2182

<210> 20567
 <211> 2187
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20567

tcatccatca acaaactgcc atccagcttc acatggcgca accagtcacg cataagaacc 60
 cgcaagtga cctcttgcg atgtgatgat tcagtcgcat gcgaactctc tggaggcctc 120
 gaactcctcc caagaagata actatgaaac ttctcacgag caagcagcta ttttccacgc 180
 agtctctcga gaagcaatag tcgcctcaca aggacgtgct cgcaaaactt cctgcgattc 240
 atcaagagac tcaatctaga ttcttgtgtt caacattgac caggtgtcca tgacgatgtc 300
 tatagacata agcaccgccg gcgatgagtg cgatgacgac gatattgcct tttttgcata 360

aactgttaac gcggtgattc tttagacagt cagggatgga gtaagattgg gcgaagactt 420
tggtgggtggg tggtgcgtga tcgtgatgac gtcgtacacg tgactcgaga cgaacttctt 480
gggttttggg gactatccca gatgtatacg cccgctggat tctccttttt cccacaaaat 540
tccctccaaa acggtctgta acagacccca ttgaaaatt acgacaatat cgtttgtggg 600
gtccggcttt cagcaaagac ttacttggcc cttatgtata gccacatat tggcagattg 660
tgaaaaccgt gggtcagcta gacctatgct ggcgctgcaa gtttgatgtc aggagtgcag 720
gcgaggaaga gggttttgag tagaagttaa tggctttttt ttctttggaa gggatcagag 780
ctgactagcg agtcatcagc agtgccaggt ttatggtttt cggttctatg tcgttcagaa 840
attaagtaga aatatggaag cggatactcc aactccaact gcgagtttgt ctgctcaata 900
tctatataaa cagcaatgcc taacgctttt caaacctatt ctttgatata cttattatgt 960
gtatcgcttc ccttctatc accgctctca gtattaggcc cctctctgta attcttgagg 1020
ctatactatt ctttgctatc gttacttgcg gtagatgaca caggatgttc tgttgaatat 1080
tagctttcta tatatgcgat aactggagaa gcctggaatc taaccttcat atgttgaaaa 1140
tttgctacca cagttatcc ctccactga ctactgctg cttgggtttt caatcctact 1200
ttttttctct tctccgagat tactgcaacg gtgaacagat ttggcgttcg gagcactatg 1260
ttttgaaaaa gcgaaatagc cacgacggtg tgttactgtc ggatatagtt ggcgtatttt 1320
acgcattttt gatagtaatt catctgcatg tcacggtata aacgacattt atattgattc 1380
aaaatttaaa atcttgcttc cccccccacc ccccgccac ggaacaaatc atgcgctcct 1440
tataacgccc atctgtggca aatgggttgc ataccatgtg gagttaagag gtgactgcta 1500
acagaatatg gtaatataag gacattgctg acgtagtttt ggaaatcaag ataggtaaaa 1560
tagggaactt cctatattaa attatatccg aaccgaacat cccactctca ggctgcccgg 1620
ctaagaccac gctatccgtg ggtctggttc tcggccaggt gggcagcgtt gtgattgggt 1680
cataataaag taatacgtct tcgtgatgac ggtaatgccg agttcatccc cacatccaga 1740
aatcttcttg cctgtttttg ttagcagtgc agatctgcat tgagctcata tctattgagc 1800
taaaaaaagg ttcactaggg ttattatgga agaaattgtg gacaagattc aaggtctcgc 1860
ttttccgttg gaagttgatc actgccatag gggtcggtga aaggtattgg cggtgcaata 1920
ggccgtgata gctcctgtga gggtctcctg gtatcggctt ataggtgatt cctaaccggag 1980

gaactgcaac ttgtctctctg tcataaacca agtttaaaca cagcaactgt caggtgacaa 2040
gattaagtgt gatgtcatta tgagtgcacc gcctcttacc cacgttgaga tggtccttgt 2100
atcacccgag aaagaagtac ctcaagagaa tctctttgtg tttgacctgc tgttacaggt 2160
ttatccggaa ggtctatcag gagcaat 2187

<210> 20568
<211> 2332
<212> DNA
<213> *Aspergillus nidulans*

<400> 20568

cgggcgaaat cgccgactct tottaaggac cgaacattaa tcactactac tgagaacttg 60
gaccgcgtat tacaggccct caggggtacta attaaagaag gtgtgcagca aggagggttat 120
cctgggtcac aacgacgagg cgagtcagac gagacaattg aggaacaagg gtgggttgccc 180
agattgggtc acttactgca ggcgccagaa aatgacaccc aacttaaggt aatcgggttc 240
tgtcattagt ttctagctgc tgctaattac gtctagcttc tccaagcgac tcgaaaagcg 300
tatctagacg gcaacgagag gatacgctac acctttcccg caattgttag ctctcgatc 360
cgtctggcac ggaaactcaa atctcgcgag cattacgatg acaattggca atcacaatcg 420
tcagcgctat accgcttcat gcatcagtgc gtcaacaatt tataccaacg cgtcaacccc 480
ggatgcgccg atcttgcaat gcgcctattc gtaatgtgcg gtgaagtagc cgatcagaca 540
ggcttcgaag aattcagcta cgagttcttc gcccaagctt ttaccattta cgaggattcc 600
atcagcgatt ccgcgcacca atttcaagcc gtctgcatca tcgccggcgc cctccacggc 660
accgaggct tctccaaaga aaactatgac acctcatca cgaaggccgc cttcacgggt 720
agtaaacttc tcaaaaaacc cgatcaatgt cgcgagtagt acctagctag tcctctctgg 780
tggtcatcg aaaacccgca cagaggcgaa gaggaccca agaacgtacg tcgtccacag 840
ccccctgatt gccatcctac tgtgctaaac gagaccagct ttaccgcgac ggcaaacgcg 900
tccttgaatg cttacagcgc gccctccgcg tcgcagacgc ctgcatggac accgccgtct 960
cagtggagct cttcgtcgag attctcaacc gctacgtcta ctacttcgac cagcagaacg 1020
aaaccgtgac gacaaagtac ctcaatggcc tgatcgagct catccactcg aatctccaaa 1080
cagaccagga cgagccgaat ccggcgctcg agaaccctaa aagacatttt taccgcacgc 1140

tcgagtatat ccgcgcgagg gagtttgagg gcgtgggttac ggatcccaga tcttagactt 1200
 gaatcttga tgtttcaagt aaactgcgac ataggcatgc catcggtggt aaatatatgt 1260
 caattacggt tgtatctgtt atagtgagcg agctcgatgc ttgaggcgag cattttatac 1320
 agtgctgctg gcctatactg ccttacaaca atcaccctcc cctaacctgt taggcttagt 1380
 gcgtttgttt tgatctgtat gctgatatat gtatgtaaga aagattccct tcgtttgccg 1440
 ttgagcattt ctctcaatac catgacacag tctttttcgc gccctccgtt gttccttcta 1500
 gggctgttat atcaatgatg tacttctaaa aggtggcggt agtaccattt gtatccgcta 1560
 tttagggtct gtctgactcc ctaactgaag cgtaaattga gaagcagata cagtacgttc 1620
 aaggcatttt tctctcagga gacatagcaa aagcactatt agcaaggcgg atgaaggctt 1680
 gaattcccat agtaaaggaa aggatgatag acggggcccc tatgtacttc cttccaaagc 1740
 aagtcatgga tgtgtactac ctcttcaggg acggggcgact ggtaacatgg aacctctgtg 1800
 tggatgccat ttaaacttta aactacaaga gtaccgtaag ccctttactc gcacttacca 1860
 tactagtga acaagctcct ggaaagtcgg gacaggagtt aatttgggcg gatgtcaata 1920
 gacgagcgaa gtcggtgggg ttttatcgtg tctccattaa aagtggtttg ggtgagaagt 1980
 accctaggaa caccactcgt tacctaccga agtcgagaga taagatgggg acttcgatat 2040
 aaattcgtac ttgagtgttc cgttcaggtg atgggtgttt caggctcgac cgtgtaatga 2100
 atttttcctc caccctactg cgatactacc tggtagatat gggatagcat tacgagaatt 2160
 acatatggag tcaaaacgaa ggtaagtaaa ccgtgatacc cacgagatat gaaccccgag 2220
 ttgtgtatgc attgttcgag aataaaacga gcaggaacca tgtatgccat gttttggctc 2280
 tgtggcctag catacgtaag ggtaaaaaga atacatgata tgacggcaat gt 2332

<210> 20569
 <211> 2351
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20569

caaggctctc cacggcgaac attccaccga gacacattat atcaaagccc tccgggttat 60
 cagggatata gcgaggacct ggggtgatcc ggacgagttt tacttgaaag ctgctctcaa 120
 gtttgccgac ggggtttacag gatggggtgg gtttgtttaa ccaccttgta aaaaataatt 180

tcatcgtgtg atttgctttg tattaatatt gttgattact atatcccttg gcttaaatat 240
 tcatcgcttt ccgttgactc ttgactatta gagcttctta cctaggtata tatttgacac 300
 tcgaggatgc ggaagaaatt ataataatca tttacctctc atctttctgc aaggaggact 360
 attaacgtaa tactatgctt cggaggggga atagtgtttg cagtgtttgc gttgttctct 420
 cgtctgccga cgctccaaat ccagcacagc aaacatttac tccatcacga gtcaaacaat 480
 gccaacagcc agaatgccac taacaactca atctaactga gcaggctcaa ctgatacaga 540
 atccctgact ctccacgccg agtacctccc caacatccgc caagtcagcc tccagatata 600
 tgccgccggt gctctttatg cctatccaga gatatccctt tccgagtctc gtcgcgccgt 660
 gacggtatcg cttacccttc cggaatcgca agaagctgtg atggagacga ttaaattgcc 720
 cgccaaagtt acggaggggt caaggcgtct tttgagcaac gcgacgcaaa gtgctggcca 780
 gggcaagggt actattacag gaaccgagag ggaattctcc tatcgaatgc aggtcgatga 840
 tacggaattt gtggtgcgtg atgcagtgga agagcatatg gatagttttg ttccctggtc 900
 cgcaggggat atgctcccga ctaccaagtt acggtgtgta aagtgtgagc aggtcattct 960
 tgacaagcca agcaataccg ctgccccgac tctatcagat gagaatagta cgtcgcatgc 1020
 gggatggctg tggaaagatc tgcctagcgg gaactgggct gagatgatgg atttctggca 1080
 ttgccataaa ccggaccctc atgaggggca ggatgcggac ggcgcagcta aacagacgat 1140
 tgaagatgaa aattccaagg ttaagggata tggatcatcg aaccagggtc tggctacgcc 1200
 gggcacggta cttgtggatg tggctacttt ccttgtcgcc gctatagagt gtaagggttt 1260
 gaaaaagggtg agcaagggtc atcccaaatac gttccattgt ttctgccgta tgcttcatac 1320
 ttgcaataat aatcgctttt ggtgggcaaa aagaaggaga ccttgctctc tccatgatca 1380
 ggccttcgat acagttgcc tataaatata gtctcgctct tcgatcactg gcgtgaatgg 1440
 tggtcataag gatttgggat cgttgcagtt atcctcggct gatggatttg caccgtttcc 1500
 ctgttctttg cgttcgtcca cctactgcca gtttcgggag tgagacggcg cctcgttggt 1560
 tcttcgttgt ttggtccaga gggatggcat caacgcgatt atgacaagggt acataagtgg 1620
 tttctaccaa ttactgtagt caaacaagta gtagtttcgc tgtgcttcaa taaaagctta 1680
 cttgaaactg tccctcggcc tttctgcata gacttcattt tgaggtagta cctgtgctaa 1740
 tttttgagat gccaggccac ggaacaaagt atcaatgtcc ctttgtctga acaagagctg 1800

caatgtgaaa actgtggcac acttataggt gtggaagata cgattgccag aggggtggagg 1860
 ctcttcaagg caagtcttgc agctgaaggc cgccttgaag aaggagctt ggaggcacat 1920
 ccaacagagc tcatagtgtc tgcgcagctg ctagagctca ttgaacgcca gagcgcccg 1980
 agattcatca tccattgcgg aaaggaagac gggattctgg taagcgtctt ctcggttctg 2040
 gtctaaagcc gggttcgctc attgactgct gaatagatct gggctcttaa tctgatatg 2100
 cggttctcca attccagctc ccagcatagc atcacttccc aacggggccat gaaagtcttc 2160
 tttcaaccca ctgctgatgt tgaggcgata ctgcatcccg agcccgggaa gacatcgctc 2220
 ctatccctag aagaactcag acttcctttg gagacgtatg cttctctcat aactgcactt 2280
 gagacaagaa atgcaatgct tcttccttcg gcaagattct tccagagaag ttggcgggta 2340
 gggattttgc a 2351

<210> 20570
 <211> 2355
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20570

cgctccagat ggcgtttcca gaggaccgag gtcaagaggc aacggaccac gccgcggcgg 60
 aggtcgaggg ggcgtggcg gacaaaatcg cgacatcagc aagccggaga ctgaggggtga 120
 cgctgatggc tcgtcttcgg tggaaccac cacaaccgca gataagggaaggcgcgtca 180
 ggagacggcg gatgacgctg atgatggaga gatctgcttt atctgtgcct cgaaggctga 240
 gcataactca gtgtctccgt gtaatcaccg cacatgccat atatgcgcgt tgagattgcg 300
 cgctttgtac aagaacaagg cttgtgctca ttgtcgggta tgctctgtaa tagttgctct 360
 gtctgaatgc actgctaate cactcgtttt ctagactgaa gctagtattg tcattttcac 420
 agacgacccc acgaagcgt acgaagagtt ccaggacagc gactattctc aaaaagatga 480
 taaccttggg attaaatacg aaaaggatga gatcttcgaa gacacagttc tgttactccg 540
 ctacaactgt ccagaccgga actgtgatgt ggcttgccctg ggggtggccg acctgcaccg 600
 tcatgttaag agtaagcatg gtaaagtgat gtggtatgta acagtcctct caatcagtcg 660
 acagttcaaa ggcttactgt aaccgtctca tagcgatctc tgtactagaa acaaaaagggt 720
 tttcacacat gagcatgcgc tctttacaca tgccgagctg cgcaagcacg aaagacatgg 780

cgaccatgtc cctggagcgc ttgagcagag cggtttttaag ggccaccctg agtgcggatt 840
 ttgtcgtcag agattctatg gggatgatga gctatacgtc cactgccgtg accgccacga 900
 acgatgccac atttgcgata gacgctctac aaccgcgcaa caccagtatt atatcgacta 960
 caatgccctt gaaagccatt tccagacaga ccactttctt tgcttgga aagaatgcct 1020
 tgaaaagaag ttctgtgtct ttgagtctca aatggacctc aaagctcatc aactagagtg 1080
 tcatccaaac gggctttcag ggcgagacgc ccgcgtagac atgaccgctt ttgatttcag 1140
 aacgccgtac cagcctcagc agcgacaacg tcgggggtgct ggtcgtgggc gagatcccaa 1200
 cgcagaaacc gtccttttat caaccgtgca accactacgg agggacgaga tcgcctacca 1260
 acgccagatg gctatccaga ggcgacaatc cgtttcgaca cggagcttcg gtggacaact 1320
 atctcgtgac gaaacacaga ctgtgcgtgc ccacgcgctg tccacagcac ctgctccac 1380
 tcgaacacca cccgcgccga cgtcacctgt caacgagttt gagaacctta acatcacatc 1440
 agccacacca gaggatcagg cgcgtcggct tcggcacgca gcagttattg agagagcttc 1500
 aaatctcctt gggaatgata aaactaagct tagtgaattc cgcacccgag tctccaacta 1560
 tcgtaccggc ggcattgtctg ccaccgagct catcgatgcc tttttctccc tttttgacac 1620
 atcaagttcc gaactcggta agctcataaa agagcttgcc gaaatctacg aggacgcccg 1680
 taaaaagaat gccctgctca aggcctggaa tgattggcgt gcatcaatga ggattacctg 1740
 cacttcagg gccaggcggg aacatcccag gcatgtcccc tggtagccgc agcggcaccg 1800
 gcgccaccgg cggcagacga gtctgcgtc tgaaatcctc aacagctcag tcctcccggg 1860
 ctgccgtgg ctctcgtcg ttaagcaacc cttccctcc cctctcttca tcacgtccaa 1920
 ctccccgtgc cgttgcaaca tctgccgat ggggaggctc cgcaatcgt gcgccaccac 1980
 cccctcccat atctcgaacc tacgcaaata cctcatcccg cacaataaac gccccctcca 2040
 catctcagg ccgcgtcaac actcgcgaca cagaggcctt cccttccctt cccgctgcac 2100
 ccaagcccaa cgtcctcatg gcgggcctaa cccgaggcac tgttcgctgg gatgatcgcc 2160
 gtccgccacc ggtaaatgct tggacttcgt ctgctgactc aagacctggt tcctctacag 2220
 aggacttccc agatctttct gctgcagaag gtaagaaagg gaaggggaag aaaggcaaac 2280
 agacgctttt ccattttggt tgacgattgg ctccccgat agtactgagg tcaaaagtgc 2340
 aagtaacata ctttt 2355

<210> 20571
 <211> 2362
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20571

```

cgcgaaatctg aagcagccag gaattgctgg tcgggcccac gacgactcta ttcttctcgc 60
tcctcccgga ggctctatcc caactacacg atgccctagg atgcctagca aaatacagtg 120
ataccgtcgg cattgaagcc gaatttgact tggatatgta gtggggacgt tagagagcta 180
aatgaacagt tctgaccatg gcctcagctt cgtctgagct cgctcaactc cagcaagact 240
gcatactcat cctttgcgtt tgaagcccaa aacttctttg aagcatacga attcggcatg 300
aatggtaata acagtgggcc tcggaaatth agctgcgaag tatatttgaa ggtgcggggt 360
ctgacttcat ttttgagttc cttatgctaa gagcctgcag gcgttactat ccgtcttcgc 420
cgggaggaca aatcgacgag ataaagatac tgcagttgaa cgctgcgagt ttgagggttcg 480
tgaagatcca gacgtgactg aatgccgtct agttattcgg atgatatgcg gacttggtta 540
ggatccttgg ttgattatct ggttcgtcgc ttacagtgcc aggcgtgatc aaatcataca 600
agctcactta cgagtcaacg acagtccaac atgccatctt tgaccggtca caatctacta 660
atgaatggac cgttgagccg gccttcctaa aagagatagc cgtgcatttc agtccttcgg 720
cggacgagtt ggatatctat tcagagaatt ctaaggatgat ctttactagc tttacgacta 780
aaataacaga cgggaagggg tcgtctatcc agaactttct cttacttaga atgtactgat 840
cttgggtctag acacctccg acaaccagtg cacacgtcag tcgccgttga caaaacagat 900
tttgaaaact accttgccga cgacggcgtc cacatcgcca tcagcctaaa ggacttcaaa 960
gcagtgataa cccacgccga gacgccagag tcctgataac cgcgcgatac acccgtccat 1020
gccgacctct gcagctcgcg tacgactttg acggcatcag aacagaattc accctaata 1080
ctaccggcga agcaggccca gaggaccttc ctagttccgc gaggcctgtc cgggagcttt 1140
cagctagaca aacgcctgct cctcggcctg cgctgtaca agtcctcctc caaacaata 1200
acagcaactc agccaggag agacaaacgg ctccgccgcg tggtagacc atccgccctc 1260
ttacagggac atccacgca ggcacgcaac aagatacaca ggctacagtt gcgacgcaac 1320
agggcccgtc caccaaattt gatagtcttt ttgtaccgac ggatgatgat aggcagtggg 1380

```

atgtcgtga ggacgaggag gccgaggcgg aggatatgct cggctgggat gcaactgctg 1440
 atccagtatg atccatcttt cgccttcatt agcagtgttc ttctaacagc agcagggcaa 1500
 tcctgagagc ctgggtccgc ttttgcgaga tatcgagccg aacctgggaa atggcaacca 1560
 aatggacgca ggcaacgacg agatggggat tccgccgacg caacgaatgt cccaggttaag 1620
 tgacactcgc actgcaactg cgttcattgct gatagcctta gctgcatggc ctcggaactt 1680
 tcgactagaa ttgtcgtcac gattaccact ccctcacact aaaatgtgct ttgcaccact 1740
 caagccgcaa taatccagct cgtcgcacag cccgcaccaa ctccaacgac cttaactccc 1800
 tcaggtagcg aaattcgagc gcaaacgcct ttaacatctc ctctcgcac cgtctcaggc 1860
 ccgcaattgc catgctcacc ccacccaaac gccacaacgc tacaaccagg atcatcgtcc 1920
 agcattgcaa ggcaatgctc acttcccacg gccacttctc gcgccttatg caggtttgcc 1980
 ggcggcaact gaccgcggtc attgcgtccc caggcacaga tagactggtc tttttgatgt 2040
 acatagacac catgccagct agcatgtata cgcaaatacc ccttaacact ttcgagcgcc 2100
 gggatccctg tttggatgct ccacttatcc ttctctcccg gagatccaga gccagggtccg 2160
 agaacagcaa actccccctt atccttatca ccgcataaga ctgtaaactc tcgtccacag 2220
 acggcgctcag agacagcaaa atttaacgctt ataccttcca gatcaatctg tctcgggtcc 2280
 catacaatct tctactgat taattgagcg ccgagctgtc ccttccttgc agcgcccatc 2340
 catacactga tccatcagaa ca 2362

<210> 20572
 <211> 2364
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20572

cgtgagccgg gaggtctaaag taagcccggc tggaccggca ccgacgatgg caatcttgaa 60
 gtcggactgg cgtagcatcg tggttagtca acgtaactca gttaaggtag aaagtcttca 120
 ggcttgtcta gctttcatca tatatgattt ctaccatagt agcctttgca tgagtcatac 180
 aggacgggtg gaagtgaatt cccggattgg ccgtcaaggt catgcagcgt accacaggaa 240
 tagagaggct gtgtgtattg cagagacatg tggtcgctat gtggttatat gagacaaaaa 300
 gcaaatgggt tacagtgtga caaatgtgta gacacacgcg ccggccagtg gcagcatcga 360

tcttgctcc agagcttgcg cgggctcgac ttggtgtgac aggctgctgct gcaaagtagg 420
gttggtgtcg gtatccgccg gttctagcgt atgcctagag ttatctggtg acggcaccgt 480
tatgctcgat gtcttagctt gtgaagaagc aatggaggag tgttccacgt attaggggtc 540
gcgaccattg cacaaaatta tttgcgagct agagcattat tatactatat cacctccagt 600
tctgctttgg gtcaccattg tcctctcact tcgtagttcg gtccgagaat gactttgact 660
ccattgatgg aaagcttcca taccctcgca gtgctcctca gtagccagaa atgtctaattg 720
gtgcaccttt ccccttgat taccgcgga ctcgcaacta cgggcctcgt tttatacctg 780
atcgctactc gacttttgtt tcacccgctc gcaaaagtcc cgggaccccg cctggcgggt 840
ctgaccaagt ggtacgagtt ctactacgat gtagtctgtg atggagagta tgtgaagcat 900
atcgagaagc tccacataat atatggtatg cgagcttttt ctggtagttc acgtacaaat 960
actgaccctt cgcgatgatc tccatcatcc gaactggccc caaccaggtg cacgtcaacg 1020
atgctgggggt ctacaagaga acttttgccg ttgcatcgcc ctttcctaag tccgagtttt 1080
tctactcatc tgtcggagtc ggggacgca ttggagccat gacagacacg aagaaacatc 1140
gcgtccgccc gtcaattctg ggtccccggt taccagccaa ggcaattgcc ccttatacac 1200
caagtttgca aaagttggtc atgcctgta tggatatcat ggctggcaag gcgcgccagg 1260
gcaaggtgat caatctgttg cggtagacgc gtgccctaac ggtagatgtg atttccgatt 1320
tcacatttgg acgcccgatg ggtgtcgtca atgaagcaga ggaaatgcc gacctgctaa 1380
atgatttggg ggtgtttggg cggcacttcc acatcctgaa gcattttccg ataagtcgca 1440
agttgctaga tatcatccct gaatcatttg cgcgcaagtt gatgccactg cggggattct 1500
tcgagcttcg tgaggtattc cccatgtttt ttctccaagc cattgcaact gataaacaca 1560
gaaagccacc actgccgtca acgaagccgt ggtagagaga caagctggca agaccataag 1620
caacaacacc gatggggcaa gctttctaga cctgcttctt aaccagatcg acgagaatcc 1680
cagcgtgctg gtcgatgaag gttgtgcatt catcaccggc gggagcgaca ccacgggctt 1740
caccatggag aacgcaacgt atcttatcct gagccatcca catattttgc agagtcttct 1800
ccaggaactc gacactagcc cacatatcag agataccttt gacctcgacc acatcctacg 1860
cctcccgttt ctgactgcta tcattaaaga aaccctccgt ttatacactc cggccccaag 1920
cccgttgccg cgcaccgtgc ctgcagaggg catcgatgtt catggccact tcctccccgg 1980

cggtgtgagt tcgccctgac ctgttttcca gacaatagaa catatatata tatatatattga 2040
 aatcaatatc gtaacgcgtc aggtgtattg tagacaatcc tcacccactc cctctaccta 2100
 atccaccata acccggtgct cttcgcggaac ccgaaaagct tcaaaccaga gcgatggctc 2160
 gggacgcagg gtaaggtgct ggagcagtac tatgtaccgt ttagcaaggg ttcgcgttcg 2220
 tgtattggca tggcgcttgc atatcacgag gtttacacct acctttcgtc tctgttctcg 2280
 cgattcgaga tggagatctt cgagacaagt cagtcggaca tggactggcg ggaacatttt 2340
 tttgtcaagc gcaacgggca actg 2364

<210> 20573
 <211> 2395
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20573
 aagctgcgcc gcattggtgt cctcacctct ggaggagatg cccccggtat gaacggtgca 60
 gtacgagcgg tggccccatg gccattcact ccgactgcga cttacgccgt ttacgagggga 120
 tacgaaggtc tggtggaagg cggggacatg atccgacatc tacactggga atatgttcgt 180
 ggatggctct cccagggggg tacattgatc ggatccgctc gctgcatgtc ttttcgtgag 240
 agatctggcc gtctccgcgc cgctaaaaac atggctcctgc gcggaatcga cgcattgggt 300
 gtctgcgggtg gtgacggtag tttgactggg gccgatgttt tccgctctga atggcctggg 360
 ttattggacg agctggtgaa gaatggagaa ttgacggcag agcagggtcga gccgtacaga 420
 gtcttgaaca ttgtcggctc cgtgggctca attgacaacg acatgtccgg tacggatgcc 480
 actattgget gctactcctc gttgactcgg atctgcgatg ctgttgatga cgtcttcgac 540
 actgcgttct cccaccagcg aggcttcgtt atcgaagtta tgggccggca ttgcggttgg 600
 cttgctctga tggctgccat tagcacaggc gccgactggc ttttcattcc tgagatgccc 660
 cctaaggatg gctgggagga tatcatgtgc gcgaacatca caaagggtgag aacttttggga 720
 tcttgactag gctcagtcaa ctgacgatct cgcagaaccg tcgggaacgt ggcaagcgca 780
 gaaccattgt catcgtcgcc gaaggagcgc aagatcgaaa cctcaacaag atcacaagtg 840
 atcgcgttaa agatattctc accgagcgcc tcggacttga cactcgtaca acaattctcg 900
 gacacacca aagaggagga gccgcctgcg cctacgatcg atcgctatcg accctgcaag 960

gtgttgaggc cgttcgtgct gttttggaca tgacgcgga ctctccttcc ccagtgatca 1020
 cgatccgga gaacaagatc atgcgcaccc cgttgatgga cgctgtcaag gccacgcagg 1080
 aggttacagc tcacatcaaa aacagagaat ttgagaaggc gatgttggtg cgcgactcag 1140
 aattcaaaga gtaccacttt gcttatctga aaactgccac acctgatcac cccaaactct 1200
 ccttgaccca agaaaaggta cgtagtctct taccgttaag catagcctct ctctaattgcg 1260
 tagcagagaa tgcgcattgc cattgtccac gtcggtgccc cggctggagg catgaaccaa 1320
 gctacacgag ctgcctgac atactgtctc acccgtggcc aactccgat tgccatccac 1380
 aacggtttcc ccggttgat ccgccaccac gcagatcaac ccatcagctc agtgcgcgaa 1440
 gtcaaatggc aagaaacaga cgcgtgggta aacgaggggtg gttccgacat cggcacaaaac 1500
 cgcggtctcc cgtctgaaga ctacgacgag gttgccaggt gcttcaaaga gcacaagttc 1560
 gacgccttat ttgtcgttg tggctttgaa gccttcacgg cagtgaacca gctccgcca 1620
 gctcgcgaca aatacgacgc cttcaagatc cccatggttg tctgcccgc cacaatctcc 1680
 aacaacgtcc cgggcactga gtactccctc ggcagcgaca cctgcctcaa cgcctgatc 1740
 gacttctgcg acgcaattcg ccagtcagcc tctcctccc gtcgcccgt cttcgtcatc 1800
 gaaaccagc gcggtaaatc aggctacatc gctacaacag cagggttggc cgtcggcgca 1860
 gtcgccgtat acatccctga agaaggaatc gacatcaaga tgctcggccg agacatcgat 1920
 tttctccgcg agaactttgc ccgcgacaag ggtgccaacc gcgccgaaa gatcatcatg 1980
 cgcaatgaga ctgcctcatc cacatacacc acacaggtca ttgctgatat gatcaaggag 2040
 gaagcaaagg gccgcttga gtcccgtgcc gcagttccc gccacttcca gcaggaggc 2100
 aagccctcgc ccatggaccg cattcgcgcg ctgggcatgg caatcaagt tatgatgcac 2160
 ctggagggtc acgcgggtaa atcaaaagac gaaatcgca acgatgagat gtctgcaacc 2220
 gtcattggca tcaagggtc ccaagtctc ttctccgtca tgggtggtga catggactcg 2280
 agaaggtcga gacggactgg gcgagacggc gtcccaaggc cgaattctgg ttgcaggtgc 2340
 aggatacagt taacatctgt cgggacggtc gggggccaaa gcaatgtgga ccggt 2395

<210> 20574
 <211> 2399
 <212> DNA
 <213> *Aspergillus nidulans*

<400>

20574

cgtctaaagg cgatcaaagc cgttggttctt gatttctccg gcgctatcag caatgtcatt 60
ccaaacctac aaagtactgt ggaccacatg atgctctacc aagagactat tcagcctctg 120
ggagatctta ggtatctcct tgaaaactat agaactgggtg gattcatacc taagggtccag 180
gcctacgaga actattatgg ctctgttgga ggtatgtatt tcgaatatct cacagacttt 240
atatctaacg gcttccagac caaatctttg gagtcgatct tgagggtcgg gcaagggcgg 300
atcgcaagag agtgccagtt attgtgacta ctctcttaac ttacctggac aactgtaaga 360
tggaacggc cttctaaaga gtagaactaa caatcagaca taggctaccc agaacttgaa 420
ggagacgagt cgagacgtgc aatttggctt tatgatgttc cattaggagc gaccaccac 480
ctccgtcacg ccctcaacaa caggaaaggc gatttctttg aagtgttca gaagtatgag 540
attccggtcg ttgcaagtgt gctcaagtta tacctcctcg aattgccagg taagacgaac 600
ccctcaagag ctccaggcac aaaagctgac ccgatagac tcccttgttt catcccaagt 660
atacgaatc attaaagcga tttattccac gactgcaaac gagaccactg aagaaggacg 720
cgttaaagta ctgcagagca ccctcgggtc acttcgtctc aacaacattg ccacgcttga 780
tgctattatg acccatttta cgcgtttgat agacttgaca tcggccgacg aaacctatgt 840
ttctgccctt gcccaatcgc tagctccctg catcctccgt cccgtagcg agaacagcct 900
tacaatggat gagcgtcata gttaccgctt gatccgcgac ctcttcgccc acaaggacac 960
cattttcggg gaactgaaac gccagtcag tgggcttgtt ggttccgcac cccgtccgcg 1020
cgcaatcagc acagatgaaa gcaaccgccc ggccggcatg gaagcccga acagagccat 1080
tatggaccgc agccgcgccc acagcccagc tcctccgcgc aaacatcgac gtgaccgttc 1140
cagcggccca gaaccaggcc gattcccaat caacgtctct ggctcgaaaa cccaacaac 1200
taccagaaac agcctagagg tgcccggtag cgattcgccc acaggcgag gggctgtttc 1260
aaccgtgtgt acaaccgtg acgagctctc caccgtgaac atccactccc cgaacccat 1320
caciaacggc actactgccc ctagccctgc caccgccgaa tcctccgtcg ttcaagaacc 1380
tccttcgaa cgcactgggt ctctagctc cccgccgaa actcaatcgg acgactctgc 1440
cacaccacc ccgacacctc acgttgagga gtccagttcc accaccagca gcctaaaccg 1500
gagctccatg tcacgtcca gcggcatcca caccgcaag ccgggtctcg gcagccgctc 1560

cagctttcct atcattcatg gagaaacaaa cacagacagc aagcgaacga gtatcgctga 1620
 gagcgctacc gagctcaagg gtgtcacatt agaggataag cccatggacg actaaatagg 1680
 tcaagtcctt gggtttaatt gagggcgctg ctgctgggta ttctgcggac cctaggagcg 1740
 cctctggcc ttccgcattg ttttatgttt cagcttttca gtgttccgta taaactatat 1800
 cgttacatct tgcatacccc cctgtatgtc tatctcattc tgctgttctt attagtcctc 1860
 tttgctttac attttgcttc ttgacttgta tagtactcat cggcttgagt ctgtatgtga 1920
 atcgtataca gtcccttccc cttgggggtca agaggatatca ttccaagtgg gatatgtttc 1980
 ccatatccat cgtaatgcaa taatgtcctt gtatattcaa gtggacaatg atccagatcg 2040
 gcactctgca agaaacagtg accgctaacc aataatcgct aacagactcc agaatgctcc 2100
 aaaaacaaaa ataaaagaaa acagaaaaaa taatgtctga tgatagagtt atcatagacc 2160
 ttcacccgaa aacagcctcc taagaatacc ttcacctggc ccagtgatct gactctcaat 2220
 ttctttctgg gatacgaagc aaacaagggtt ttgctcgtcc aatgctttgc taagtgaagt 2280
 tccgctagat tttgaaggcg tgcgtcggac gtctgagccg ccagcgacag taccaccacg 2340
 acctcgacct tggattcac cgacaaggcc taaagtctcc aagctaccaa gaacatctt 2399

<210> 20575
 <211> 2466
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20575

atctcaaagc acgtgggttt caactggcga tattaagaga tagcatctat gaggagatcc 60
 tcggtcagaa atcgtatcct aaacaagaca gtgagaacgg caaaaggaaa agggaagagt 120
 ctgaagaggc cgacattagc tgggaacgta ctttacaaaa cgcaacaaac agtcccgaat 180
 acttcgaggc agcgtaaagg acctatcatg ataggagtca ttgttggtgc aaactgatca 240
 gtttatacag gtctgctttc ctgggacccg aatttccatg ggtgccgatg agtcacatta 300
 agaaagtcct cattgataag ggacgccttt atcacgcatt cgtagctctt tactctgacg 360
 ataaccttct tgagcaacgg aagtatcaat atgtgagggt gaaaagtcag agaagtacga 420
 actctcccaa aaagtacacc cctcttcgtg acactcttat acgtgagatc aacgcagcga 480
 gaaaacatgt agaagaactg cagagtgaagt ggccctgtctt cttcctagct caatgtaatt 540

attctcattg ttctactag tcactttgcg caaaaagaag gaagaagagg aggcggaaaa 600
 ggccaacgag gaggaacaca ttccgacagg cagtctcatt gagggccatt gctgttacgc 660
 cgatgtcccg tcaaatcgat gtattccgtg cgatggagac gaccttcact tcttttgttt 720
 cacgtgtatt cgcagatcgg ccgacaacca aattggatatg atgaaatata tactacaatg 780
 cttcgacgtc agcgggttgc aagcttcgtt caatcgtcag caactcaggg aaatcttagg 840
 cccagtagtc atggacaaac tggattccct acaacaagaa gacgagatcc gaaaggcagg 900
 ccttgagggg cttgaggatt gccctttttg ttctacaag gccgtcttgc cgctgtgga 960
 agaagacagg gaattccgct gcgagaactc tcaatgcaaa gtggtttagct gtcgtttgtg 1020
 caaagagaaa agccacatcc cccaaacttg cgaagaatat cgaaaggaca aggggctctc 1080
 tgaaagacac caggtagaag aggccatgag caatgctcta atacgaaaat gcccctaatg 1140
 ccggctcaag attatcaaag agtatggatg caataagatg caatgtacga agtgccatac 1200
 tctcatgtgc tatgtgtgcc agaaggatat cacgaaagag ggctatgcc atttcggacg 1260
 cggcggatgt ccccgaggacg atatacatac gcaagaccgt gatgacagag agattcagag 1320
 agctgagcgg gctgctatcg ataagattct agcagagaat ccgatatat ccgaggagca 1380
 gattcgagtg ggccatgaga aaacaaatgc tcaactcgc ggagttcgta gagaccgcg 1440
 gctgcaacca gcaattcaaa tgcgggatgc tatgagagtt atgagggcgg acatgggggg 1500
 tttctaccct caacagcacc agcatgctaa tacagctgcg caaagacaac tccccgtcta 1560
 cctccgcca gttacaatg taccataccc tatggactat ggactatgt tcaaccacc 1620
 tttccctggc ttaaatgtcc ttcaaagggg tctccagccg ggcaacctcc cagctcagcc 1680
 tgcggttatg cagcccatgg tagtgggctt ggccaacct cctgcaaact ttcaccaca 1740
 ggacattcag aatatcaccg cgtttccct cagcaaagtc tacctcgga tcaaacgca 1800
 gcttatcgcg gtgtcggttt cggaccctt tgagttcctt aaagaagcaa tccagctcca 1860
 cgtctacctt ctttccgtt tggcagtaca acttcacctc atacacctc cgaaatttat 1920
 ggctaataa attttgata ttcgattcaa tcttggtcgt tggagttaac ctacgttccg 1980
 ccgtataccc agaaaagcgt tatttgctt tcacactgag cgtttcttgt tccagtcttt 2040
 tttccctcct cgtacttcta ccgtctcatt cttttctaga gggctcgtat acagacactg 2100
 atgggtgact gactatactg caacgcagca ttctgtttcg cgattattgt cctactccct 2160

gaaacgaact tccattcccc ttaactgtcc aaacattttt cgtacccaga aggcatacaa 2220
 ctttcagaac ttagactcat catacatgcg atgcattttc tgcatttcca ttatatctgc 2280
 tctaatatgt gcataggatc catccatacg agtttgtcct gtactctcct tgggcactta 2340
 atgcgtagcg tattcaacce catccgtaag accaaccatg aaatgctcac tattcactca 2400
 ccgatatcga atatgcttat atctctctcc tgacacacct atacttcagc caagatgaga 2460
 taaaaa 2466

<210> 20576
 <211> 2483
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20576

tgctcaccgc cgggtaaggt ctcttgatat ctcgatgagg caaggactaa tctgtcggta 60
 ggggatttga ccgtgatgat cattggggac accgagcccc agagcctaac aaagcagtaa 120
 tttgcagcct tgcattggca aaacttcgaa ctgatatcag gggtgaccta gccagtaaca 180
 atgttggaat ggctcagaag cttcttctgt tctggcggaa ctgcacgaag atgttggtgg 240
 gagggcgtag agttggacaa tgttgagggt gttgaaggca agatcaaaat atggattcgc 300
 aggggtctga ccctagaaaat ggtgagtttt gtggtttctc aacttggtccc acgtctacta 360
 acaacccctt agagcgtgat tgggctccga tagtattaac aaccgcctt taaaaattgg 420
 tttccatctt tttgtcccgat catatcaatc accgcccgtt accttatcca ttcgcgttcc 480
 aatgcacgcc agagatacaa tgtcatgctc aacactttgg accctgttac ttgaagccgc 540
 atattgcgga gtttacgata tcccctagtt ttcgagtcta cgtttgccga tcagaaaatt 600
 atcgtcgcga taattttctg cttgtctttt ggtgcttatg caattttgtc tatagtgttt 660
 acttgaaggc cggtctccat gcatgatttg tccgcctcgc ctttctgctc tcccgtcta 720
 ctggttttgt tgctcttag tttgcccttt acggatactt agcaaaatgc cggatgctcc 780
 acagtccgcg tgaataatat ttccagtaca cggagaatga tcccctacac actagtacaa 840
 acgtcaagaa gaaaatctat gggtggctgt aggatgattg tgtcacgtga tatggatctg 900
 gaatgggact agcgcagtta tgggcaaaac gcggagcttg agcgcgatcc ccatcttcaa 960
 gtctcgttgg aattgttctt ggcccaaaca ggctgcggaa gcgacttaat ccttggaaga 1020

tacctgattg aggcaaccga ttgttgacg caactaatcc gtacacaatc ccaagtgaag 1080
 ccttttgacg atattcccat ccactccctt tcccagtcac tgagcgatca aattcgacg 1140
 cgctattatc gtatcgacga tcgcggtcca aaacgtcccc aaaatcccaa actttgaacc 1200
 atagggatat gttcatgaca acctagatgg ccaatatgtc cccttcacga ggttatatca 1260
 cgacctaccc gccacgagtg cgtcaatatg caaacgcact cttcacaccc gtcattcctc 1320
 agactcaggt cgggtccgacg ccacgaacca cgaaacgagg gactgcagcc atcaactacg 1380
 cggaagatgg cttcgacgat gacgactttg atgatagtga aggtccccga cgacctacag 1440
 gtctcagaac gttcggcgag aggaatcttc gttcgacaaa gcggcggttg cggaaaagct 1500
 gggaaaggag gcacacgcgc cagtagaggt tcaagggata tttcgggatt ggatgattaa 1560
 gaagatgata cgacccgcgt atgtgttttc taattgaagt cgactttctc ggtcgttgct 1620
 gatttgccgc gtccttgga taggtgtgcc gatcaattgc agatacaagc gcaactccct 1680
 ttgacactta taccgattcg aatcgacctc gaagttccgg cgcacagcc tctcgaacct 1740
 ttccaggtac cccggcatgt tgttgacca gcgattaaca cgacgctgcc tgcgtacagg 1800
 cgacctgac ccttacctgc gtttcggatc aaggacacgt ttatgtggaa tcttcatgaa 1860
 gcgttttcta ccctgaaga gtttgctact ggatttgtcc atgacttgga ccttcccaac 1920
 cagcatgcaa tgacctggc gatcgctacc cagatccgcc agcaattaga ggaatatgcg 1980
 ggcgtcgcc tacatccgtt gtttcaaagt acacaaccaa aatcagccgc tccacaagca 2040
 ggtttatcgc gagacgcac caatactccc gcgcctcccc atactgcgac accggacagc 2100
 cgaggcacac tgggtgacagc gacgaaagag ccccttgtaa acgacagtat cttaaattcca 2160
 gacgatgcat atagatgcat gatcaatctg aatatcaacc tacagaacaa gctatatacg 2220
 gacaagttcg agtggccct cttacatcct cctgggatgg ccgaggaatt cgcaaagggt 2280
 acgtgcgcag accttggctc aggtggagaa tgggttgagg ccattgcgca tgggatttat 2340
 gaagcagttt tgaagctcaa aaaggaggtc tgtgagagt gcggtcta tagcggctta 2400
 ggcagctacg ggaccgaaat tgataatcaa gcggccaacg cggctgaggc aggttggcga 2460
 tatgaccgga agtctcggcg atg 2483

<210> 20577

<211> 2515

<212> DNA
<213> Aspergillus nidulans

<400> 20577

gttcatagtc gatatctcag ccttgcaact caaacctgga agcacttcaa gtattgcgag 60
gctctcaaca atagtcccag cagatgttgc gagacagggtg gaagtggtag ttggcatcct 120
ccccggatca aggttcttct ttcttgataa aaatttgtgg ctttgttctg ttttccttaa 180
gagttcgggtt acggaagata ccatcgagcg tcattacttt ttgccacgcg actggacaac 240
gacagaatat ttccaacagt gtttgctgtt ggagaatggg acgcttcttt gccctaggga 300
ggatgagggtg gctgtgatta aaagcgaact gagccgctcg tactgacagt tttcaatgtg 360
ccctgacggc ccatcactgt acggctctaa tcaggctgcc gcctcttttg acattagttg 420
ttgcattgga gtagctaate accatctctt gcacctagga tgcgccagtg gatgctccaa 480
aaaagtaa atataatcct tgttaagcct gaggtagccg tggcacctgt caggtcgttc 540
tatactggag gggttccatt caggcccggt cgaagctctg tataggaggat attgaattac 600
gagctgtgggt gtgaaagtct gtaatcctca tttcgcataa agcatgtatt gcgatatcac 660
tatccctct tgttgcatg aatctcgaaa gattatgaat cagtagttgt tctgggtggct 720
atacacgcgc cttaaagctaa atcggccagc tgattcgctt gtttaggagt tgtaaagcaa 780
agccctgttt tctgttttac cccgctgct ttgctgcgac ttacagattg ctgcgtccgc 840
agctctcatc tggaaacgcc ccttttctg ctcatctact cttggaaaat ccagattgtc 900
acgagcaaca gctgttttgt tcccttgtga gataaaataa atacagaata tgtcctcggc 960
aaacccttct actgatatgg caccgctgc gaatactcct aacaatatct tggaagcacg 1020
agagactccc gtgtcagcta cgagaccgta cacttcattc acatctcgta gcacgatgtt 1080
cattgttatc attgcgggtt ttgcaaccat cacatctcct cttaccgcaa cagtctactt 1140
cccactactg cctacactag aggggcaatt cagggtatca cctcaggcaa tcaacatgac 1200
gttgacaata tatgtcattt ttcaagccat atctcctgca gtgtttgggc cactttccga 1260
caccgttggc agacgaccta tcttccttct tacacttgct atctatgctt tggctaactt 1320
tggcatggca ttgaacaagc ataactatgg atttcttctg ctgcttcgag cgcttcagag 1380
cttgggtgcc agtgctgcat tgcctataag ctatgggatt gttgccgatg tctgcgtatc 1440
aagcgagaga ggaaagacga tggcttgggt tagtatagcc ctgaacatgg gaacgtgtct 1500

ggggccata atagggcgcc tagttgcata tctcagcgga gatattgagt gggctctctg 1560
 ggcgctattc atcggttgac ttcttctatt actaattgtc ggaatgttct tgcccgagac 1620
 cgctcgcaat ctcggttgga atggaggtga ccaaacggag gggactctat ggcaacagtg 1680
 ctgctggagt tatattcgaa ctgtgcgatt gctcaacaaa gaagagaatg agcaagacca 1740
 tcgagaatac gaagctgcag ttagagctga accaggaacg ctcaaccggc tgataacgag 1800
 aatttctgcc cctttcagta ttcgaaatgt cgccgctccc ttgcgaatta tcttctttcc 1860
 agacgccttt tgggtgcttgt ggataaatgg atcgttctac gcagtcgact atatccttgc 1920
 cgctacgggt cccaatattt tcacagacat atatcaattc aatacgctac taacaggtct 1980
 agcctacett ccaagagggg taggtatcat tgtcggcagc tactgcaacg gtaggatgat 2040
 ggactataac taaaaagtca cggcccgcga gcataatcag cctatcaacc gtgtctccgg 2100
 tgataacata caacagttcc caattgaact ggacgctcc cgcggtactt attatctcct 2160
 agttatatcg acatgcacac tgcttgctta cggctggacg gcgaattata aaaagcactt 2220
 ttcagttctg ttgattctgc agtttattca ggggttctgg agcacttgct tctacacgat 2280
 ctataacaca ttgttgatag atgttttccc agataaccct agcaccgcag cagcaagtgc 2340
 aagtataaca agatgtgcat tggccgcgat aggagtcact actcttcaac catttggtga 2400
 cgcagcagga ttaggggtgt attttacggc tcttgactc tttagtgcag tatgtggtat 2460
 tgtggccgct agtttcgtta gaaaatatgg tatgcggtgg agacagcaga ggtat 2515

<210> 20578
 <211> 2526
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 20578

gcacgcacca acaagggaca ataaatgagc gtttttcaag gctagggact gagtcggtct 60
 ccatccgagg caaactcccg gaaggccagt gatcccttgc gcggttgctg agcttccaag 120
 ctaaggctgg gggcttagca gaatcgccgc ttcaccatgt tttgcatgat tagcatacgc 180
 ataacataca gtacaagttg gtcatttagt ctcggtaatc attgggtgac gtaggattac 240
 tcagactaca aattaaatac agtaccagct agtactccgt atttctcacg tctacccatg 300

acgagggttg cagaaccctc ttagaggccc cgtcacatga tcaggtaaaa taccgccac 360
 tagtaatgca ccagacgggg tgacgaagct ccgagtacga agtgcgagtg cgggctttcc 420
 tccaccacca ggcattctct gctagccgcc gtggaagagg ggtctgttac atctccaact 480
 cctcttctct tcgtcgtttg cattccttcc ttcaattaat ctcgctccctg ggatctccat 540
 gagtgtacct tcgtctctct gcgcattccg tccttcccgg ccttgacttc attccttgtc 600
 ccgcgtcaat gcgtcctatc tgaatccaat ttgcgcctcc tccagttacg cgcggatacg 660
 caagtcgcct tcagctcgat atactgatac aacctaatct acagcctcac tcctttgtcg 720
 actcgatcgt ttcatacaac gggcggacta aatacctgcg catacgtgac gtctcgatct 780
 ggtcacgcac taccttatct tgccgattca cgatcagatc attctcgcca ccatggccga 840
 gtgagtcttc aaccttaagt cgatcgtatt cttccatgaa gctctactaa ttcgcatgta 900
 gtctgatcgc cttccactct tattattcgc atcaaggttt cctctcgccg tcaaacatgt 960
 taccgcgccc atccagccac aaacggtctc tgcattccgg gaataggntt cgttcgctcg 1020
 ataggcatgt tacgaaggcc aagtccacaa atgatcttct ccgtgttgcc gcagaccctc 1080
 cggccactgt tcgttctca agtgaagggt gggacggctt cagcactttg agggacccaa 1140
 gacttctgcc cagttctgaa tcaacagagt cgactctatc gtctcacat caccggacc 1200
 ttaatgacga agttgcaaca cttagtctaa aacttggtca agcgattaac aatcagacaa 1260
 aactcgatga cactttggcc gttactcgcc aggagttaga gcaagtccag gaaaaggccc 1320
 gcgcgttaga gtcggaaaac gagcaatact ggcgagacat tgaagacgga gcgctggtga 1380
 agaaagctga ggttgaccaa ttgaaggctt ctttggcaga agaaaaggct cagcgtttat 1440
 tggcggagaa ggagaaaaag ggaatcgagc aagagctaga aacactcact gcggctctct 1500
 ttgaggaagc aaacaagggt agcatatact cggccatggt tccttaaagc tgtttttcta 1560
 aatcattcca cagatggttg ctgctgcaa gctcgagcgc gaggctgtgg agaagaagaa 1620
 tgaacagtta cgttctcaga tcaaagacac agagtcgctt ctgcttcgc accaagaaca 1680
 attagccgaa ttgaaatcag tccttcaggt aatgaacatt tccaaggacg atctcgatgg 1740
 tcgcacagca atctccacag caccaccttc tccggctggt ccctcacaac ctcccgcctt 1800
 cactaggaag agtatggaag ctacagatat ccctggcgat gttgtctgcg ccgagatagc 1860
 acccggctct gctacaagtt ttctgatct catcaaaact gtatgccgaa ccgacatatt 1920

ggcttacgag gattttcgtg agctgtttac tatatcgaag agttcgaaac cccccagtag 1980
 ggcgaccagc ggatcatatt cgggcttaaa cgtcatgagt ctggctggct ttgggtgggtgc 2040
 ggggttcggc tcgggctccc cctcaccgtc aaaatctcaa cctcattccc cgagtgggag 2100
 tgtttcttcg cctcaacccc ctaactctag cgtccctttg aaggatgcac gattctacaa 2160
 gcgtgcactt gtggaagata tcgaacctac gttgagactc gatgcggccc cagggatatc 2220
 ctggctgacc aggcgaaacg tgctatctag tatttgtgaa ggaagcctgg tcgtagagcc 2280
 ggtaccacca aatgttcgaa aatacgaatt cccatgttct ctctgtggcg aacggcggag 2340
 tggcaccgat aatgagcgca ctcaccgttt ccggacatct gacagtgaaa cagcacagcg 2400
 ataccattg tgcgttctct gtttagaaaa ggtacgctcg tgctgtgagt ttgcgggcta 2460
 cctccgtctc atccttgacg gtcatatcca cgccgaggaa cctgacgagt tgcaagaggc 2520
 gtggga 2526

<210> 20579
 <211> 2571
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20579

cggaagatga caagggcgtg gatctcgagt tcttaagcga ggctgtcaag aggttcgagg 60
 aggatgagac cattaagcct gcttttattg cggctgttga ggaactgagt cggaactct 120
 cctcgatggg gatcaatgat gattacaagc catacgtgac tgtatgttaa tctaccctca 180
 cctccagtcc ttttctcaac atggcgaggc tctgcgaaac ctcgttcgcc attccgccat 240
 tgccctctgt atcacagagt cgtccatctt caaccacaca cgggatcccg cttcattoga 300
 aaaagagacc ctctcggac catgggttctg ctttcgacc ttgcagggtg acgctacgat 360
 gtctttcttc tccgccccga agtcgagaga ccaaggctac atcctaaatg ctcagcggtc 420
 gattcgcatg gtccaagaat tgctcagctc tgatatacta gatatacatca atcatatgg 480
 tcgagcttca gcagaagcga gaaataggat tttggactgg tttgcggcgg ctctgaacat 540
 caaccacaag cgaaggcgca tgcaggtaga tccggctact gtttcttctg acgggttcat 600
 gttcaatctt accacttgtc ttgatcatct ctgtcaaccg tttatggatg cgaacttcac 660
 taaagtaagt ccaacgcatg tgaccgagtt ttcataataa cagtttatag atcgacagga 720

tegatattga gtatctgcat cggaaccctc gtgttgacat gagagacgag accaaaaatca 780
 atgctgacca gcacgcttct gatgcctttt atgcaaagaa gtctgaaggc acatccaact 840
 ttatcaccga aattttcttt ctgacggctg cggcccatca ttatggtagt gaatcgctga 900
 cctctaaact ggatacgctt gagagagacc tgaagcacat ggaaactact cttgttaaac 960
 ttgaggctga gcgacctaaa tggtcgaact acccggtcca gcttaggttg ttcgagatac 1020
 aactgaagag gttcaaagat aaactggaca tggggctggc cctgaagtac agtctccaag 1080
 gcgtattgtt cgacgatcaa tggcagttcc ggtctatgac tttcatgcgt tatgttggtg 1140
 tctggctgct caggggtggct tcgggcaaaa actttcccaa agaacagctt gttctgcctc 1200
 ttccagaaca accgctgaa gtgttcaagt gtctccctga gtactttgtg gatgatattg 1260
 tcagcaactt caagttcatc atgtggtgta tgccgcagat cattacggca acccaagggtg 1320
 acgagctcgt tatgatgtgc attgcctttt tggagtgtc agagtatatc aagaatccct 1380
 atcttaaagc aggcctcgtt tcgacctgt accgagggac atggcctcgc cctgggtggcg 1440
 caacaggtgt cctggtcgac ctattgaact cgatgccctt tgctaagag tatctgctgc 1500
 acgcttgcat gaacttttac attcaagccg agcacacggg tgccatact cagttctatg 1560
 acaaatttaa cattcggtac gagatcttcc agattatcaa gtgtgtatgg cccaacacgc 1620
 tctaccgagc gaagctcctc aaccaggcca agcaccacct ggatttcttt gttcagttcg 1680
 tcaacttgct tctcaacgat gtcacctatg ttctcgacga gtcgtttggc agtttcaaga 1740
 ccatctacaa cactcagctg gagttgcgca atgagggagc tagcatggat cctgccgtcc 1800
 gccaggagaa ggaagagcgt gttgcgcagg cccaacgtag cgccaagtcg tacatgcagt 1860
 tgaccaacga gaccgtggcc atgcttaagc tctttacaga agccctagca gactcgttca 1920
 ccatgcccga aatcgttcaa agattagcgg atatgcttga ttataacctg gatgctatgg 1980
 ttggcccaaa gagttcgaat ctgcgagtcg agaatttgca cgaatacggg tttagaccac 2040
 gtgcgttgct gagtgagatt gtggatgtct atctgaactt aatgggcaaa cagaacttca 2100
 ttgttgccgt cgcccgatg ggtcgctcgt acaaacctgc caattttgaa aaggctgccg 2160
 agatcctgcg caaatggaat ctcaaactc cagaggagct gaaacgttg gatcagcttc 2220
 aactgaaggt caaggaagct aaagaatctg atgatcaagc tgaggaggat cttggagaaa 2280
 tcccagacga gttcttggac ccccttatgt acacgttgat ggaggatcct gttattctcc 2340

ctgcatccaa gatctcgatt gatcgctcaa ctctccgtgc tcaattgctg agcgatccgc 2400
acgatccgtt taaccgagtc ccattgaaga tggaagacgt cgcacctggt atggatttct 2460
gcccccttta tctttgagga ttaataagct aataagtcca tagataccga tcttaaggcc 2520
aagattgagg agttcaaacg gcaaaagatt gcagagcgac gagcagcgca g 2571

<210> 20580
<211> 2585
<212> DNA
<213> *Aspergillus nidulans*

<400> 20580

ccgagcgcca tctagatgag gagtttgacc ttggtccagg tattcttcac acgtcgctac 60
tgagggccgt aagaagatgt ctctccgtga gatcattgct gcttgcgaaa agatctactg 120
tggctcgtag ggcggtggagt atattcacat ccccgaccgt aagccttgcg attggattcg 180
tgatcgtttc gaggtcccg agccctacaa gtactccgtc gatgacaagc gccgcattct 240
cgacctctc atctggagtt ctagctttga ggctttcctg gctaccaagt tccctaacga 300
taaacgtttc ggtctggagg gttgcgaaac ccttgtgcct ggtatgaagg ctttgatcga 360
ccgcagtgtc gattatggta tcaaggacat cgtcatcggt atgccccacc gtggctcgtct 420
caacgtcctg tccaatgtcg ttcgaaagcc caatgaatcc atcttcagt agttcgccgg 480
ttctgccgag ccttccgatg agggctctgg tgatgtcaag taccaccttg gcatgaactt 540
cgaacgcccc accccctctg gtaagcgtgt gcagctctct cttgttgcaa acccgtecca 600
tctcgaagcc gaggaccccg tcgtcttggg taagaccgc gctatccagc actacaacaa 660
tgatgagaag aacttcgata gcgccatggg tgttttgctg cacggtgatg ctgcgtttgc 720
tgctcagggc attgtctatg agaccatggg cttccactcc ttgccgcct actccactgg 780
aggaactatc cacatcgtag tgaacaacca gattggtttc accaccgatc ctgcgtttgc 840
tcgctctaca cttactgct cagacatcgc caagtcgatt gatgcgcctg tcttccacgt 900
caacgtgat gacgttgagg ctgttaacta cgtctgccag gtcgctgctg actggcgcg 960
cgagttcaag cgtgacgttg tcattgatat tgtctgtac cgtaagcagg gtcacaacga 1020
gactgaccag cctcttttca cccagcctct aatgtacaag cgcgttgctg agaaaaagct 1080
tcagctcgac atgtacgttg agaagctcat ttccgagggc accttcacca aggaggacat 1140

tgacgagcac aagaagtggg tctggggcat gctcaatgac agctttgacc gaagcaagga 1200
 ctaccagccc accggttaagg agtggctgac ctccgcctgg aacggtttca agactcccaa 1260
 ggagcttgcc actgaggtgc tgccgcatct tcccaccgct gtcgagcctc ctattctgaa 1320
 aaatgtcgcc gacaagatca gtggtgctcc tgaaggcttc actcttcacc gcaacctcaa 1380
 gcgtattctg ggcaaccgca agaagaccgt tgaggagggt aaaaatattg attgggctac 1440
 tgccgaggct cttgccttcg gttccctcgt cagcgagggt taccacgtcc gtgtgtccgg 1500
 tcaggatgtt gagcgtggta ctttctctca gcgtcatgct gttctccacg accaggagac 1560
 tgaggcgact tacaccctc ttcagcacat cagcaaggac cagggtagct ttgttatttc 1620
 taactcgtct ctgagtgaat tcggagcgta agtttctactg gaaattctct ttcgcaattc 1680
 tctaacctgt ttacagcctt ggcttcgagt atggttactc tttgacctct cctaacgccc 1740
 ttgttatgtg ggaggatcag ttcggtgact ttgccaacaa cgctcagtgt atcatcgacc 1800
 aattcattgc ctctggagaa tccaagtggc tgcagcgctc cggtttggtc ctgtctcttc 1860
 ctcattggtta cgacggtcag ggccatgagc actcttccgg tcgtatggag cgttacctcc 1920
 agctctgtaa tgaggagccc cgtgtcttcc cctcacagga caagctcgac cgccagcacc 1980
 aggactgcaa catgcagggt gcttacatga ccagccctgc gaacctgttc cacttgctgc 2040
 gtcgccagat ccaccgtcaa ttcgcaagc gtatgttggt cctccctta caatatggac 2100
 ctaagctaata caaatctagc ccttgatgac ttcttctcta agtctctcct tcgtcaccca 2160
 cttgctcgct cctctattga ggagttcact ggcgactctc acttccaatg gatcattccc 2220
 gaccctgctc atggaaccgc catcgatgag cctgagaaga ttgagcgtgt cattctctgc 2280
 tctggccagg tgtacgtgc cctcaccaag caccgcaag ccaacaacat ccgcaacact 2340
 gccatcacc gtgttgagca gctgcatccc ttcccttggg ctgagttgaa ggagaacctt 2400
 gacagctacc ccaacgctcg caacattgtg tgggctcagg aagagcccct gaatgccggt 2460
 tcatggagct acgtccagcc tcgcattgag actctgctta acgagaccga gcatcacaac 2520
 cgccgccacg tcatgtatgc tggctgcccg ccaagtgctt ccgtagccac cggcttgaaa 2580
 tccgt 2585

<210> 20581
 <211> 2637
 <212> DNA

<213> Aspergillus nidulans

<400> 20581

cggaagacct cgccttcctc ctgggaatgc agcagaaaga cctgcgcaaa ctttgcgcca 60
agttacgcga agatcgtctg attgcagtgt atggcctgcc cacgtcattt tgacttcttg 120
gcagaaaatt aatgagcgct tgctgttcga gtatagtaat acacgagctg agattcgcga 180
tggttcgacc cgcccggtca accgagagta ctactacatc ccgctacatc cggtcattga 240
cgcgattaaa tacaagggtt ctaaactgac gtctacaatc aaactgcaat atacaccgag 300
ccaggagagg aaggaatata tttgcctgag atgtggggcc gaatggacgg agttggacgt 360
tctaagtctt tactcggaag agggcttcga gtgccagaat tgtggagcta ttctcgagcg 420
cacggaggac gtcaaaggaa gcgagggcat cgaccgtacc ggtcacgaga agaatagtaa 480
gctcatggcg cacgtagacg ggatgctgaa acttctcaaa caaattgact ccgtggaaat 540
ccccccaac gacttcgata ccgcttgga ccacaagatt gatgtcgtgc gcaaccaaca 600
caccaacccc accagagcag ccgtcgttgt gccatccaag aagcaagaag ccgtccgcgg 660
caatctcaag acggacgcca ggcgctcga gatctctcta acatcctcgg aagaaaaaag 720
cgccgccgag caaaaggagg aagcagcccg caaagccgcg ctggagaagc aaaatgccct 780
tccagtctgg cacaccact ccacagtctc cacaacagct ggcaacgtca gctcgatcaa 840
aacagaaccc gacgtcaaga tcaagcccga gtttcttaag gaggaagaag accagaaacc 900
gagcctcgtt gatctggacg acaaagtcgc cgcgtactac gccgaaatgg agcgtgagaa 960
ggctctacag gcacaagaag atgccagcag cgccgaagac tcagatgaat tcgatgagtt 1020
cgaggacgtc ggtgtctctg cttctgcttc tccggctgtg gggggtgtga atggtgctga 1080
cccaactcgt gcaccgagtg gcatcaagcg ggagcttgat acagattccg ggaccagtgc 1140
gccgcagacg gcgacgggaa cgccctcgac tccggcggat gaggggcccag cagcgaagaa 1200
gatcaagact gagctggaaa atgaggtcaa gaaggaggag tctgatgagg atgacgagga 1260
gtttgaggat gtctagttct cttttctatg ggcgctggcc gtcaaagtac tatagactaa 1320
agattttgtg ttttttcctg gtcacgctct ggcttactta ggtgatttat caagcacgag 1380
aatcgaaata tgtgaaatca tctcatattg ttatactaga aactgcatgt tatgcgtctg 1440
cagtaggatt atttgttatc ttctgatatt gaaatagatt ctttaaagta taccagacac 1500

tcttgtaata ctgcattcaa atatatagca tgagactagg taatgcctgg acccagaaga 1560
caagcagaca aaatgaaata agacgttaga atgaatggaa caaccgaatt cactgcaagt 1620
ttaccaacta tcaagaacaa atcccgaatt ggtgcggtt cgatgttctc ccttacccaa 1680
cggcatcagc gctttttcgt gttataaccc caggccatgg acttatctac actccacgcc 1740
tgcgcttaaa ataatggctc aacgcacaaa cattcactct tctcattctc agcgccttct 1800
ccttctgatg gttcaatccg agtttgtact agagctcaag agcatcaacg agctctagag 1860
gaagacagac aataattccg aatggagatc caaccctcga tgaatagtgt cacatccggg 1920
aggttgaaag gttccgagct tgaacgggat ttgcctactg cgacactgat agttctcccg 1980
gtgacggaat aggtgatggg gaagagtatg agatggttca tggcatatta aaggcggtat 2040
tgtgccttgt tcaatataca ctgcacgaaa agataaaagg aggctggacg gccaatattat 2100
catcaggtcg gtcaagagga tcagcagctt gatgagctgt ctgcttctat aattgttgca 2160
gctatcaagg cctggatacg gctaagagaa atcgaatttc aaataattag gtggtatcat 2220
ctagatacct cggtcgggca accgaccatg atacaatgag cctcagtggt cactgcgga 2280
cagccttgct gacagagtc tcatccagct agtatacact ttctcgaaac tccgttcaga 2340
cttttaccta cctataacgg tacaatagtc ttcattcctt tggcaatccg ttgaatctgc 2400
ccagtgtaat acgtctacac catcgttagc tacctaccg aagctggctg ggaggggaag 2460
gggggaggaa aagggaataa ggacaagacg tacgctctcc gctccagccc ctatagcagc 2520
aagcggaatc cacttcgccc agaacggcac agggatccta ttcaaagca actgcgcctc 2580
actttctgc acgctctcat cgagcagcaa ctttgaaaaa tgcgggtcaa ttgccgc 2637

<210> 20582
<211> 2655
<212> DNA
<213> *Aspergillus nidulans*

<400> 20582

cgcaattccc ggcaagcatt ggggtctgca agtgtcccag ggttctgagg aggatagtag 60
cacaacttcc gccgaatcgt ctaggcctat tctctcgcg tttgggtttc acagggtcca 120
cgctcggcga tttagcgga atatgcttct tgtgttcaat gaccgggagg aaatgagttc 180
ttggttattg gcggtccgcg ctcaaataga gactcggggc ggtaaaaagt acgtttctga 240

aaaggtgtat gacgagggaa tggagagtca attgcggaacc acccctagca tgcgacagat 300
 ggtgaagaag gaccctaacc ggttctcggc ggtctacctg caaccgcggc aatcaatgaa 360
 ctttgaggac aaagactcta gcgttgggga tcagtctcgt cggagtctgt atatttcgct 420
 ccatcgccgg tcgatggtta tgcaccctaa gcccagatcg cgtgcaggct cgggtgtccac 480
 ggcccagaca gaagaagagc ccgcacgctt ctatgccga gttggatcgc cccctcttcc 540
 agacagcagc atcattgcag agccaacgct gtctgtcgcc ggtccggcta gcccgacttt 600
 ctcgactccg agaaaagcag aatcaatgct cctgcctcag gcgacaagtt cagaagccgc 660
 agagatacct agagcgcagt cggcgggtccc tgaggcacat ttccggagtg cttcgccgcc 720
 ggctccaaac tttagtgtgc cacttttttag caaaagattt gcagctcgac aagataggca 780
 ccagggtcct cggctgcgt ctgtccaagg tgatcatcca gatgatacct caattgatac 840
 cgtgtccatg ttttcatctc caccgcaatc tcccagtcga gacggcttcg ctattccact 900
 tgataaccgc gagcagcgcc aactggcaga acggcgggat caaaacaaca agtcacttcg 960
 tacgtcaaat tccgaagata cgcttgcgaa tgtgcctcga gaacgcgacc gcagccgtct 1020
 tcgttattcg catctgccag agcatgttgc aatgctgcct tgccaatcaa cttcgccctg 1080
 ccgagttagt gtcaaaccag tggtagcaag cgctcgcac caacctatgc ccattgccc 1140
 agtcgtgaat acgtccaacc actctgatca gccagcaag acagatcagc caagccgtcc 1200
 atcgtctata gtcattggcg ggcggaagag catgactggg ctactgccc gtcctccaag 1260
 cgcgcctcct ccaaacattc ccctaccgaa aattccttcg gcattcggtg atcgtctctc 1320
 gcaagttgag ttgtcagaaa agtctccacc atcgtcacct gtgaaagacg ttcaacaggc 1380
 actgggagac gtcgctccta tttcttccgc gcggagccat cttccacgga ccgtacggag 1440
 tgtcacgacc aggccaatga atacgcccgc gaagtatagc ggcgcaaatt atatctaata 1500
 taaccgggac cagaaccacc aacctatat gaatcacaag ttcccacgcc gaaattctcg 1560
 tttctcacgg ctcgagtact cccacctcgc atgcattctg agcggcttag cgttcactct 1620
 catttccctt cttttctttg atcacttctt gcatgatacc atttctaata ccgtttcatt 1680
 tccctgtcca ccaggcatt tgatatgctg tgatggagct ttcactttct cgagatatcc 1740
 cgcgctgtat gcgtttgcat gatttatttt tgtattttgg cttttgcatg tgtggggcat 1800
 tgttgtgtat aataaaatag acatgggata ccagcaatac aaaatagtaa tacgggtgtga 1860

actgacttgt ttgatatctt cagccattta caaggaccaa tgtaccaagt atcctcatcc 1920
acacctctat agaaaacgta tcaacaacgt caagactacg gggatacag tgggtaactg 1980
acggtagttg atatatacct gctgggaagt actagtactg acgactccac aggggtttat 2040
tcgacctctg taggatacta gcaacattct caaatTTaca cagatgcctt cgatggaaca 2100
tctcgaggac tgcagcgagg gtcgcctcag acacacttag tgtacttagt cccaggcata 2160
caatataacc aatatgacgt catatttggg tagcgggcat catttgcaac tctagactcg 2220
tgatacaagg caggaagaga ggctccgtct caaaaatact tctcgatggg ccataaatct 2280
catcagttag caggaatcaa acagggttgt ggtcaggcaa cctggatgac atgggtgatga 2340
cggcaagccc taacaaacac cgcgttatgt tccccttagg tctggatggt ttccagggtcc 2400
acctgtccta gtagccactt ttgaatccac aacagctatt atggctaaat tgactgggtgg 2460
gggtggacact tgcacgccag aggatgtatg atgacacctc cgttgcagct ctgtgtgctc 2520
tgtagacgtc accctgaaac caccttcagc ttgacaaaaa cccgcatata aacctcccaa 2580
ccatcctcaa tccaacctta attcgatata atgctccgct ctcttttcca agcaaaaccc 2640
tgcacctega tatcg 2655

<210> 20583
<211> 2658
<212> DNA
<213> Aspergillus nidulans

<400> 20583

acggctccct acggctgctg ccgaagacga cgggaattcg tccaattctt aacctgagac 60
ggcggacctt ggtagaagt atatacgtg ggaaaaaccg gtatcaccca gcacagagcg 120
tgaattcggc catcgcgctt gtctacagca tgctgaatta tgagagaggg cgacgaaacg 180
acctgcttgg ttcaagcatg ttctctgttg gagatatgca ttccaggctg aagaaattca 240
aagagtctct gatgagcagg ggctgggacg agcgaacacg gctctatttc gtgaagctgg 300
atatccagtc ctgttttgat actataccgc aggcgaagat agtgcgtctg gtcgagaagc 360
tggtctcaga ggaaaactac cattggatga aatatgtgga aatgagactt gcaagcgaat 420
ttgacaacat gtggccgctg cgaaaaccgc agcagcgag aacatgggtca aagtacctcc 480
aaagagttgg ccagttggc aggcagaga atttggcgga tgctatcgcc aatggaagcg 540

tagtgggacg aaggaacacc gtcttggtcg acacaatcgc gcagaaggag tacaatggtg 600
aaggcctgct tgacattctc aacgagcaca tccggaacaa tctcgtcaag ataggcaaga 660
agtatttccg acagcgcaaa ggtatccac agggttctgt gctgtctagt cttttgtgca 720
gtttgctgta cgctgaaatg gagcgggacg tgcttggttt cttacaaacg gacgacgcc 780
tgctccttcg tttgttagac gacttcctgc tggttaacttt ggattctggc ctcgcaatgg 840
atttccttcg agtcatggtc cgaggacagc cagattatgg catttctgtc aaccagcga 900
agagcctagt gaatttcgcg gcggtttag acggggcgca aatcccgca cttgttgaca 960
cgccactctt cccttattgc ggcagtctca tcgacacgcg aactctggaa atcttcagag 1020
accaggatcg aatgctcgag ggggcggatt ctgcgagtg cgctctcagc gattccctgt 1080
cgattgactc cacgcgaacc cccggacggt ccttctaccg gaaagttctt gcatcgataa 1140
agcaatccat gcaccaatg tacctagact cgacgcacaa ctactgccc gcggtactac 1200
tgaacgttta taagtccctt gtcacggccg cgatgaagat gtaccgatac actcggtcac 1260
tgccggggccg ggcgcgacct cgacccgagg ttgtgggtccg cacaatccac gatgcaacgc 1320
agttgggata ccgactgac cgtggccggc atggtctgtg cagggtcacg catcctcagc 1380
tgcagtattt agggggggcg gcgtttcaat ttgtgttggg gcggaaacag acacagtatg 1440
cgggcgtgct gcgttggtcg gacgggacgc tggcggaagc acggcagagc gttggcaaca 1500
gtgttttctt ggcacaagcg gtgcagaaag ggaatcggac gtatagagag tggcggtttt 1560
gaccttgctc cttacagctt gagagaaatt aaaattgaaa aatgtccgac tatgcaggca 1620
ttgcagacat tgcagggccg gcggaatggc caactcaatg aaggagcca aggggtcgg 1680
atctacagcg tagcatttac catacagcag ggcgggatgg actcggctct cccccaagag 1740
caccagtgtt ggtccttcca ataaccataa tcatatggga ttatacctat ccatggtcag 1800
tgtgtggtct gagcagacat tcccacggat caggtttaag cggacgacaa ccacagtgg 1860
cgagcagaca gggggtggca atctctttat caatatcaac aaacaaacaa ttttctgct 1920
acattcttcc actttaggcc ttttagacct tgtaaacatt ttagacctca ttactgttgt 1980
tgcggtggtg gtcttttatt tcacgacaaa cctcaaagcc acacctgtgg atcattggtg 2040
gcgtgccttg gaacagccgc tcgctccttc atctcgacga cggaagacgt cgcgactccg 2100
cagtgccttg tccctaaacc gggttgatgt tgatcgccgc ttgcagcgaa tgaaatgagg 2160

agtctggacc ggatataagc ctgaatacca acgtttctca agcgccattg ggcgatttgc 2220
 aataatctct gcctcaggcg ctcatatcgg tggccggact agaccctttt gactgcgttc 2280
 ggcagagaac ctggaattcg cgctccaac gcagtcggtg atggaatcgt cccagcttca 2340
 tatcttcaact cttttcgtct ttccttgctt ttttcaactcg ctcttccgtc gataactcct 2400
 ccaactgccc ttccttcgct tgcgtcgatc tttctttctt cttttctact tcacatcttc 2460
 tacctatccc atcccactcg ctctccctt tccgtctcga gtctcacctc ttaagttgac 2520
 cgaacccttg ttcacttttc gttccactgg cgtcataacg cactgtgcac cgctgtctgg 2580
 cctgccttag atatcagtc tggttattga ctggtaaatt aatggcctg tgccctcttg 2640
 tggaatatta gtacagcg 2658

<210> 20584
 <211> 2658
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20584
 tcggaacgcg cccttacctg ttgtcgataa acataaaca gacgtcagat tcccaggcct 60
 tgaaagaaga attctgagga aaaccaggt tctggtcaat caaatcactc ccggtatgcg 120
 cgtagttcgt aagactcgta aatggtcaca aagggaagat catccaaagc gattgccagt 180
 ttcgttactt tcgttaatta tgggttctcg tttcttcaa gtcaatcgca ataaagaagg 240
 attatggaag tcaaatacga agagatcgtg gttgggggag attcagagaa actcgtgac 300
 agatcatgca gatacagagg aaagcgagaa gagcagacat gtcattccacc actggcgagg 360
 agagagacaa agacgtcagg gccagacaga cggatgatct agaattggaac cttggatgaa 420
 agaggagatg caagtgcagt gggagcggtta agtaggcctg cgatcgctgg taccctggtt 480
 ggagactgcg gactcgctcg gcactggagc ctcgacgatt gttgacgttt ggggtgctggg 540
 agtctcccg gcaaccgcac ctctctgcca gacctgcttg caataatata ggacgcttgg 600
 cgcctagacg cagaacactc tcgatcgctt tagtcctaata caggcctagc gtaatagcct 660
 cccagtggt ccgtgctgtt tccccttag gccttgagga tctttttttt cccgcggcga 720
 gagctggtcc aggcttttcc atcactcttc atctagcccc aactcagcaa tgaaccggtt 780
 aggcgggctg tccttgcct tgaggccagt atgtctgttc tgcagagctc agacttcctt 840

tgccctgtct cctcttcagg gaggacaggc tgtacgatcg attgccacag ggcgcctccg 900
 ccgcagagcc cgcattgactc tctctaaaga tgtcgccaaa tcatccctca agccgaaacg 960
 aacagaccgc ggtaaattag ggccgtttcc caacatgaat cagacacgag cgcgagttcg 1020
 tgaagatcca aggtcacggt caccggccgc cttgaaacgt tccggagaga cagaagagaa 1080
 gccagcgatg aataccgaaa gtccgcttta caaggccctg aagatgcaga ctgctctagc 1140
 acctatctcc tacggaaaac gaacagcaat caaagccaag attgcagaaa tcacgagctt 1200
 cgatgccttc actctccttc ccattgtccg gaattcgatt ttctcgcaag cccttcctgg 1260
 gatagccgat gctgttccca ctctatcca acgagtcgcc ataccaagac ttcttgaaga 1320
 tgctccagcg aagaagcaag ctaagaaggt ggacgacgat gaacctcagt atgagcaata 1380
 ccttctcgcc gcggagaccg gttcggggaa gacgctagca tacttgatcc ctgtgattga 1440
 cgcgatcaaa cgccaagaga tacaggagaa agagatggag aagaaggagg aggaaaggaa 1500
 ggtgcgagag agagaagaaa acaagaagaa ccaagcattt gatttggaac cggaaattcc 1560
 cccgccatct aacgcaggca gaccgcgggc aatcattcta gtaccaacag cagaattggg 1620
 tgcccagggt ggagctaagc tcaaggcttt cgcacacaca gtgaagttca ggtctgggat 1680
 tatttctct aacctgactc ctctcgat caagagcact ctctttaacc ccgccgggat 1740
 cgacatcttc gtctcgacac cgcattact ggcttctatc gcgaaaacgg atccctacgt 1800
 gctcagccgt gtcagccacc tcgtactgga tgaggctgac tccctcatgg atcgatcctt 1860
 cctgccaaata tcaacggaag ttatcagtaa agcagccccg tcgctgcaga agctcatctt 1920
 ctgttctgcc accatcccc gcagcctcga ttctcagctc cgcaaactct acccgatat 1980
 ttggcgctta acaacaccta atctgcatgc catccctcgg cgcgtacagc tgggcgtagt 2040
 tgacattcag aaagacccat accgcgggaa ccggaatctc gcctgcgcgg acgtgatctg 2100
 gtctattggc aaaagcggag caggagcgga tgaggccggc agcccgtggg ctgagccgaa 2160
 gactaagaag attctcgtct ttgtcaacga gcgcgaggaa gccgacgagg ttgcgcaatt 2220
 cctcaaatac aaaggatatc acgcccattc atttaaccgc gactcaggca ccagaaaaca 2280
 agaagagatt ctgcgcaat tcaccgaacc agccgcccgc cccaccgcgg aagaaatcct 2340
 gctcgccgcg aagcagcagc aacgcgaaaa tattaacatt ccctttgtgc ttctgaacg 2400
 gacaaatcga gacactgaac gccgccttga tggcgtaag gtccttgtca ccaccgacat 2460

tgcgtcacgc ggtatcgaca ccctagcctt gaaaaccgtt attctctacc atgttcccca 2520
 cacaactatc gactttatcc atcgtttggg tcgtctagga cgtatgggta agcgtggacg 2580
 ggcggttggt ttggttggca agaaggaccg caaggatgtg gtcaaggagg ttcgtgaggg 2640
 tatgttcagg ggccaggc 2658

<210> 20585
 <211> 2666
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20585

cccaataccc aggaattcgc ctctgtgggtg ggcaggacga aaaaaaagga tatttatgtc 60
 atctcgaccg cgaagagacc tgtacctctt gaacactatc tttgggctgg aaaggacaag 120
 ttcaagattg ttgactccaa caaaagggtc ctcgaaagcg gctggaaaca agcagatgat 180
 ataatatccg gcaaggacaa gatcaaagct cagaaagcag cagaagctca agcgcagtct 240
 caagcaagca gaggtggttc acagggacgg ggacggggac aagcgcccg caggggtggc 300
 ccgaggggag ggggaggagg acaacgtgga ggaggacaac gaggccgagg ccagccggca 360
 aaccgaggaa caggcaacat tgctcgtaca gggagaggcg gcggacgtac aactgccgca 420
 caggacaaga ctgtctgggt ccaggttggt caacatctgc gcaaggagaa tctgttgcca 480
 gcctgtatct tcgtattttc taagaaaaga tgtgaacaga acgccgactc attgtccaac 540
 caggactttt gcaatgcgtc cgagaaaagc ctatttcata taacgatcga aaagtccctt 600
 actcgactca aacaggaaga caggacgctg ccgcagattc ttcgacttcg cgaactgcta 660
 agtcgcggta ttgctgttca ccattggtggg cttctaccga taatgaaaga aatcgctcgag 720
 atcctgtttg ccaagactct tgttaaagtt ctcttcgcca ctgagacatt tgccatgggc 780
 ctgaacctgc ctacacgtac agtgggtcttc tcgggatttc gcaagcatga tggcaaaggt 840
 ttcagagatc tactgcccgg cgaatatacc caaatggcgg ggcgtgccgg tcgaagaggt 900
 ctcgacaacg tcggctatgt gattgttggt aactctggca aggacgaggc accgcctgct 960
 ggagcgttga gaaagatgat cctcggggac ccaacgaaac ttcgatccca gttcaggctg 1020
 acttataaca tgatcctgaa tctactgcgt gtggaagctc tgaagattga agaaatgatc 1080
 aagagaagtt tcagcgaaaa tgccaccag gccctgctcc cagagcacga gaaacaggta 1140

caaatttctg aagccagctt agaaaagatc aagcgagagc cctgcgagat ctgcgatgtt 1200
 gatctcgtcg cctgtcatga tgcacatgatc gagtatggaa aattgacgag cgagctacac 1260
 ctcaacctac tttcatcgcc tgtcggcaaa cgccttctta tgccgaagcg cttagttgta 1320
 taccggaagg tgattaatgg atctccataa ttagccgcag cttaagctga cactttgcag 1380
 gatggatacc gaaccgcagg tgtcattgtg cgagaagtgc gagggggccc caaccccgtc 1440
 atacagattc tcgagatagg taaactgaac agcaagcgtc acccaagcga gattctccca 1500
 ttcttccag cggttcagggg atttctgaat cctctaccga cccgtgccgc cgatatgact 1560
 ctgaaagttt ttaagatccc aattgcggat atcgagtgcg tcacaaacac tatagtcaaa 1620
 ctgagtggcc caacgtggta cctcaatatc aagaaaaggtt ggtctcaatg catttggtac 1680
 aagggtcttg ctgacattag tttaaagagg caatcagatt cgcagacaag gagctatcca 1740
 agctatgctc ctcggtggact actccggtct gggatgagct agattgggct cgaatcaagg 1800
 agctccaatt aagggaacac ctagataaac gacgagagca ggcaaatac gccagtcac 1860
 gcgactgcct gaaatgcccc aaattcttga aacacgtatg ttcataattct accctttgac 1920
 gattctgccc atactcacga ccttttagtt tgagatgcaa cgtgatgagt ggcaaattaa 1980
 ggagaatata tcgcagttga agcaactcat gtcggatcag aacctccatc tactcccaga 2040
 ctacgagcag cgtattcaag tactaaaaga cttgggcttc gttgacgaac aatcccgtgt 2100
 gcagctgaaa ggaaaaggtag cttgcgaggt aagacttcaa aataaggtag tctccataaa 2160
 tgtgctgaga catgtgttag attcattctg cggatgagct cgttttgacg gagcttatat 2220
 tggaaaacgt tctcgcggaa tacgaacccg aagagatagt cgctttacta tccgcttttg 2280
 tgttccaaga aaagacagaa aatgtgccga ccttgaaccc ccgtctggag aagggaagg 2340
 aagcaattat tcgcatttcc gagaaggtag acgatgtgca gatacagcac caggtccttc 2400
 agtcgaccga ggatatcaac gattttgccg gccaacccgc atttggaactg gcagaggtgg 2460
 tttacgagtg ggccaagggg atgtcgttca accggattac ggatctcacg gatgtgatgg 2520
 agggaaccat tgtcaggact attactcggc tcgacgagac ctgtcgcgag gtgaagaatg 2580
 cagccaaatt ggttggagat ccaacgctgt acgcaaagat gcaagaagcg caggagaaga 2640
 tcaagaggga tgtgatcttc gcggcg 2666

<210> 20586

<211> 2732
 <212> DNA
 <213> Aspergillus nidulans

<400> 20586

caataacctc agcgtacaga gagtatgtta tggaaagttg gaaaatgccca caattcaggc 60
 gtcttttgatt cctatgccag cgccgcaaac aatccttggg gacatagcgc actggccctc 120
 gatgaagctt ggagttcatc ggcaagcggg ccaaaccaac aaccgcattg aggtctccga 180
 tccgaacggg aaagtcttcg gtgtcgtcga ttccagaacc gccgcggtga tagttcccct 240
 cctggattct ccagctctta aggttgagat tgcggcgcgt ctggatgtgc gaaagaaact 300
 accaaacgaa gtgccgtgga ccccttgctc gtctattttc cgagcttcga taaatcttta 360
 cggcctccgt caagatgcgg aaaaggtggg caactacctt ggccagaata atgtctggct 420
 tgccaccccg ttctctgttg aacaaggagt tcctgtcttt aatcctcatg ccgagagaag 480
 gcgcttgcaa ccgtcatatg cgccgacagg gtcacaacga aaccggtcgg gcgtgaacta 540
 tgaagtaagg tccgctgaag aagtgaccga tgcagttatg aaaatgttcg atcagctcca 600
 aagtgcagac aacctccctg aaatggaccc cccggcggtt gttaccacac cacttcttcg 660
 ccatcagaag caagcattgt ggttcattgac ggagaaagag gcccctcgga aattcggggc 720
 caaagaggag gacaacaact ccctctggag ggaagagtat agcgccaatg gaactaagaa 780
 gtaccgtgaa gtcattagcg gcatcgttct tgaccaggag ccaccgcaaa gtctgggicgg 840
 gctgttgccc gatatgatgg gtctgggaaa gactctaagc attctgtctc tggatgatctc 900
 ctgctcgcg caggcccagg aatgggcgcg catgattcca caaccgggac tggatgaagag 960
 ccggcctggg attcgaaaca ctaagaccac tcttcttggt gcacccctca gcaccgttaa 1020
 caattggggt tcgcaagtca aagaacatct gcgagatggc gcacttacgt cgtatgtttt 1080
 ccatggttca tctcgaacta cgagcgtgga tgaattgtct aaatatgatt tggatgatcac 1140
 gacgtatagt atcgttctaa gtgagctttc tggccgcggc tcgaggcgag caggggtcaag 1200
 cccgctgacc aaaatgaaca tgtttcgcat tgtttttagat gaggccata cgattcggga 1260
 gcaaagcgcg gcccaaacgc aggcaatttt tcggttgaat gcgcagcgtc gttggtcagt 1320
 aactggcacg ccaattcaga accggttaga tgatttgctt tcggtcacca aattcctagg 1380
 aatctatccg tatgatgata ggagtcgatt caatatgcat attctaagcc ggttcaagac 1440

aggcgatgca actgttctcg caagtctgcg cgtcttggtgta gactcattta cgctccgccc 1500
 agtcaaggat aagatcgatc tgccagcgcg acacgacaag attgtgatgc ttgaattcag 1560
 tgagtcagag gcacagctgc acgagttctt ccgcaaggaa tcaaactga tgatgcgggt 1620
 gattgcagaa gaagataaga gcaaaatgaa gggctcgcatg taccaccaca tttgaaggc 1680
 catgatgatt ctccgtcaga ttagcgcaca cggcaaggag cttctggata gtgatgaacg 1740
 agcgcggtt aagggcttaa gcggtgcacga tgccatcgac cttgaagagg gacctagcgc 1800
 tgacgtgtc gctactgaca agaaggcgta cgaaatgttc accctaattgc aagaatcatc 1860
 agccgatatg tgtgccatct gcagcaaacg tttggaggag ccaaattccag acgcaaacg 1920
 ttcattccgtt cctggaaaag ttgacattat cgccttcata ctgccttggt ttgatgttct 1980
 ctgtccagaa tgcttctccg gtaggaagca ggtgttcaac aacagagtcg gagaccagga 2040
 ttctttcgac gtcaaattgt atgtttgcga aggctggatt tcagcatcgt actcggcgat 2100
 cagggccgcc ggtctacagg attacttgat ggaacaagcg cgagaaaaac aaactcgaaa 2160
 gcaagccaaa gtcttaggcg agtacgaagg tccgcacact aaaaccaaac cactattatc 2220
 gcatctctc gcgacggcag aagagagcgc aaagctgcc gagggcgag ccccaattaa 2280
 gagcgttgc ttttctgctt ggacctctca tctcgaccta attgaaattg cgctccgaga 2340
 ccagggatta acgggataca cccggctcga cggaacaatg agcttaccag cgcgcaacaa 2400
 agcgtcgcg aacttccgcg atgacaataa taccactatt ctctcgcga ctatcggagc 2460
 tggaggggtg ggcctcaacc tcaccgccgc gtcgcacgtt tacatcatgg agccgcaata 2520
 taaccggcg gccgtggcg aggcaatcga ccgcgtgcac cggctcggac agacgcgcga 2580
 ggtcacgact gtgcaattta tcatgaagga cagcattgag gagaagatcg ccgagctggc 2640
 gaagaagaag cagcaattgg ctgatatgag tctgaatcgg ggaaagctgg ataaggccga 2700
 ggttcaggaa cagcgaatga gggaataccg ca 2732

<210> 20587
 <211> 2820
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20587

caggcgagcc tcggcaattc ccttttcggg cttaccctcg ggccagctga gctcagcttc 60

cacactactc tttctccggc tcttgtctcg cctggaaacc cgaccccggtg gagtccgggg 120
catccatcca catatttatt acctcgctc gggtcaccga ccgatttctt tttctttcaa 180
gtctcacctt ctccatcttc atcctccac cacaccagac caccacagaa ccagacgaaa 240
caatgccaaa tccacctccc gcctgggtgc aggcctcaa gcccgctca ccgcaaggca 300
cagaactgct gactcaggag cgtgcccagt caaacattga cgtagacacg ctggtcgacc 360
tcctgcacac gaaagaagca ctcaagaagc aagacgagat cttgtcggtg ctgaaatccg 420
aaaaggctt cgacaagtcg cgcaaccatg tccttgagc tactgagaag atccagcttg 480
cgttggcgcg gggaaagaga ctgcagcagt tgaagaaagc acacaattgg tcagacgagg 540
atgtgcatgt tgcgaatgat ttggtgtctg aaccaacgcc ttacggttg catgcgtcga 600
tgttcttggg atgttaccct tggtaccgc agttggcgcg tgggagaatc ccagttggct 660
aatagttggc tcgctgggta ggtgacctt cggaacaag gaacaccgga acaacataag 720
ctgttttacg agagggcgag aaactacgag attattggat gctatgcaca gacggaactg 780
ggacacggat cgaacgtgcg tgggctggag acaacggcta cctgggatcc ttcggatcag 840
acattcatca tccattcgcc gacctgacg gcgtccaagt ggtggatcgg gtcgctggga 900
cggacggcga accatgcgtt ggtgatggcg cagctgtaca ttgggggcaa gaactacggg 960
ccacaccgt ttgttgttca gatccgggat atggagacgc atcagccgct ggagaatgtc 1020
tatgtcggtg atattgggcc aaagtgtgtg tataagttag tgttctgggt tctctgggtg 1080
gatgttgctg actggtgcca gtaccatgga caacgggttc cttcttttca acaagttgaa 1140
gatccccat gtcaacatgt tagcgcggtt tgcgcaggtt gacaaagcca cgaacaagta 1200
catccgcccc gcctcgccat cacttatgta cggaaccatg acctgggtgc gctcgaatat 1260
tgtcctgcaa gctggcggtg tcctcgctcg cggcgtgacc attgctgtcc gctactgcgc 1320
tgttcggaga cagttccaag accgtgacgc caaggccaat gccgaagaga accaagtcct 1380
gaattacaag atggtccaga tccgacttct tccgttgctc gccgctatgt atgctctgca 1440
cttcactggc cgcggcatga tgcgcttgta cgaggagaac caggaacgaa tgacaggtgc 1500
cgctcaggca gaccaagaga agcgggggtgc gggccagag cagctccgcg cgggctctga 1560
tctccttgcc gacttgacg ccacatcggt tgggtctcaag gccctggcta gtacaaccgc 1620
cggatgaagg ctgcaagtct gccgtcggtc ctgcggtggc cacggctaca gcaactacag 1680

cggtattggc ccgtggtacg cagattacct gccgaccctg acttgggagg gcgacaacta 1740
 catgctcact cagcaggttg cgcgatatgt acgtccccct tccaccacca cttatctcat 1800
 tactaatatt tcgtagctcc tcaaattccg tcgcgccgtc ctgctggca aaggcaccgc 1860
 caacgacacc tcgcgcattc tgcaagcgta ccttgcccgc cgcgacaagg gcgcctcggt 1920
 cgacattctt ggcaacgacg ccgacattgt cgcggccttc gcttggcgga cggcccacct 1980
 cacattcgag actctcaagt accgagacgt tgagaagcgc tcgtggaaca gtctgcttat 2040
 caacttctgg cgtctttcca ccgctctatc acagtacctc gtcgtgaaga acttttacga 2100
 agccgtcaac tcgcccgaat tcagatcctc ccttgacaag gacacagcat ctaccctccg 2160
 atctctcttc cgctccacg ccttgacac tctcgaccgc gaagcctccg agttctcttc 2220
 ctccgctgcc gtgacggtag ggcagatcgg cctcactcag acaagtgagg ttccgaagct 2280
 ccttgatgag attcgccgc atgcggtgag actcgttgat tcttggaaga ttccgattg 2340
 gcagctcgac agcgcgctcg gacgcagcga cggcgacgtc tatcccgatc tgttcaagag 2400
 ggcgagcatg cagaacccgg ttaacgatct ggtgtttgat ccatatccat ggaatgagaa 2460
 tgtgctgaag aacgcggggg agattaagag caagctgtga ggtactatat tctttctttt 2520
 tgaactattg catagagatt tttagttaga gtactagact gtctgatac aggtggaata 2580
 tagaatagaa cgatgattac tcttctgcca acctatttg ctcaagggcc ctggttgctc 2640
 gaatagaaga ttgacacttg ctctaactag ctattccctt actaacctcc ccgagccaaa 2700
 aacaatgagt aagcatgaga ccaagcatcc aaaacttggc acggccgaga catggccgag 2760
 cgagtagcat ggctgcgctg gtggcgatcg ctccggcgcc gttgcggcag aggacgatct 2820

<210> 20588
 <211> 2831
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20588

tgctggggtg ctgaaggagg tacgtctggt cttttttttg tagtccttgt ggcaagctaa 60
 ctttgatttc tcaaggatgt cctgaatggc ggagttggac ttcatattgg gttgtgaact 120
 acgtcgtata caccttctat gcggtacctc aatctttgtt cgcaccaacg ttaggcaaca 180
 gctgagtatc gataggtatt atttgcattt atagctgcga agttggtcaa gtcgtttgcg 240

ccatacgtcg ccggatcagg catctccgaa ataaaatgca tcatcgccgg cttcgtaatg 300
aagggtttct tgggtggatg gacacttttg atcaagtcaa ttgcgcttcc actggccatc 360
gcttcggggtt tatcagtagg taaagagggg ccaagtgttc actttgcggt ctgtaccgga 420
aacgtcatct cgcgattctt taccaaatac aagcggagcg catcgaagac tagagaagtt 480
ttgacagcaa ctgcagccgc cggcgctcgt gttgcttttg gcagtcgat tggggcgta 540
ttgttctctc tcgaagtatg tactctccc tatattttga atccgagtac tgacataacg 600
taggaagtag cgtctatatt ccattgaag accctatggc ggagctactt ctgtgctctg 660
gttgcgacgg gagtgttgct ggtatgtttc agttgttctc agtagagcat atactcatgt 720
ttgtacaggt tatgaacccc tttagaactg ggcagctcgt catgttccag gtgcgatatg 780
accgatcatg gcactttttc gaattgatat ttttcgtcat tatttggtata tttgggtggat 840
tgtatggagc gttggtgac aaatggaacc tccgcgtcca agcgttcagg aagaagtacc 900
tctctcaaca tgccgtagtt gagtccgtga tcctagccgt tgttacggca gttatatgtt 960
tccccaatat gttcttgaag atcaacatga ctgaaatgat ggagatcttg ttccaagaat 1020
gcgagggaga gcatgactac catggccttt gcgagtgagt ggcctgacct taaccgtttt 1080
cattgcta at gaagcaggtc gaagtatcgc tggatcaatgg tgttctcatt agctacagcc 1140
acaattttac ggatattctt agtgataata tcctatggct gtaagggtgcc ggctggaatt 1200
tttgttccat caatggcgat cggggcgctc tttggccgca tggtcggtat tatgggtccag 1260
gcattgcatg aatcgtttcc agattcgaag ttcttcgcag cttgcgagcc ggacctccct 1320
tgtatcacgc ctggcaccta tgcattctta ggcgcaggcg cagctctgag cggaatcatg 1380
cacttgacta tctcagtgac cgtgattatg ttcgagctga ctggggctct gacctatatt 1440
cttcccacta tggtaggcaa tgcgactcct aatcggtggca ctactgacgt atctagatcg 1500
tgggtgggtgt caccaaagca gtgggagacc gcttcgggaa cggcggcata gctgaccgca 1560
tgatctgggc caatgggttc ccattccttg ataataaaga ggatcacgtc tttaatgtcc 1620
ctgtttccca tgcaatgacc actgaccggg tatcgcttcc tgcctctgac ttcccagtgc 1680
gtgaagcaga gcaccttctg aatgataata aattccaagg cttcccatac atagaagacc 1740
gctcgagcaa aatcttgggt gggatcattg gccgcacgga actgcgttac gctatcgatc 1800
gagccagaag ggaaggtatg atttctccta gcgcccagtg cgtgttcacc aaggacgcag 1860

cggaagcctc agtcgccccg cgcgctcct ctactttgca gcgactctc ttaacacccg 1920
 acactttcga taatatcgag agcagttctg gggcgagttt cgtggacttt agcagataca 1980
 tcgacaacac gccattaacc gtacaccac gcctgccgct agaaaccgct atggagatct 2040
 tcaagaagat gggacctcgt gtcattttgg ttgagcaccg tggccgactc acgggccttg 2100
 tcacgggtcaa ggactgcctc aagtaccagt ttaagggtcga ggccgaggag caagcactag 2160
 ctgcaacaca ccatcccgaa cttccccttg gggcgtagca ggcgaaggat aatggcactc 2220
 ttgaagaacg catctggaat cttatgcaga agattgggtc gaggttttcc aagagttccg 2280
 gacaaccacg agatgccatg cctctccgc aagacgacca atctccaatt ggtgtgggga 2340
 atgacgcaga tggccggatg gtcgagttgg aagaacgacc ttagtattag aattttgatt 2400
 gtatggtaaa tgaaatatag acgaacaatc ctttatccta tagacttctc acaactaacc 2460
 gcgcctcccc tatccgtaac catatggttg gagccttcgt agcaagtaat tcaagactcc 2520
 tccctcatgc cgacaagaat acaccctccc cccatcatcg cggcccccaa ccaccatagt 2580
 ccaccaacct tctccgaaa gacaatcata ccgagcaagg ccgttatgag gaaatttgcc 2640
 gacgtgttgg tgatagacac ctttgtcgtg gacggcgcgg ctgtcaatgc acgctgaaa 2700
 aatgccccca taatcacgtt gcagaggaca tttaggccga gacatatctt gacaactttg 2760
 ttaactactg ctggcatgct ggaagagaat gacgggatta tatagagaga agaaacaagc 2820
 aacttacccc c 2831

<210> 20589
 <211> 2995
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20589
 gccaaaggcct acgcatccac gtttgcactt tttatcctct tccccagaa ctcaaaagaa 60
 ggcaaggcgt acatgcgcct tcctgccgca tggcgagatc tctgggagga gtttgcaaac 120
 gcaaagaagg tgcaagatga tgaggctgac aagcaggttg tgaaaagctt aagaaagctg 180
 atacaagaaa atcatggcac cttcgaggat gatgtcgtgc tttcagataa cttccgaaag 240
 agaaacggaa ctccaaggaa ccgttccccca gtgcgagcgg gtgcaaagga ggctccaggg 300
 atcaatgagc agttatccca gatttggtatg gaaaaggctt ccacgccccg ttttcaatat 360

atgggtccaaa gccgcatgca attgccaatt tggacattca aaaacgagat tttgaacacg 420
 ctgaatagcc accgtgcact cattatctgt agtgaaaccg gaagtggtaa aagcacacag 480
 ataccatcgt ttattctcga acatgaaatg ttgtcaggac gtccgtgcaa gatctacgta 540
 accgaaccgc ggcgtatttc ggctatctca ctgcgcgcga gggtgagcga agaactgggg 600
 gagagcaaga acgatgttgg aacctcgcgc tcgttgatcg gttttgccgt tagattagag 660
 agcaagggtca gccagcaac aaggctgggt ttgcgcgtacg tttgtgtcac ctagagagga 720
 catcgaagaa agctaacaga aataggacta cgggagttgt ggtgcgaatg ctggaacgcc 780
 ccgatgactt tcaagatata actcatgtcg tctcgtatga agtgcacgag cgttcaattg 840
 acagcgactt ctttctcatc gttctccggc ggctgatgca gaaacggcag gaccttaagc 900
 tgatcctcat gtctgcaacg gtggatgcca accgcttctc aacatacctt ggtggcgttc 960
 ctgttttgaa tatccctggg cggacattcc ctgtggagac aaagtttttg gaagatgcaa 1020
 ttgagctgac ccaatatcga accaccgaaa acgagtctaa tgtggccgac gacgagtatg 1080
 aagacgacgc ggagactagc caaggagaaa ctactggtgt ggccgcgact ctcgagaact 1140
 attccaagca aacacgagaa acgattatga actttgatga ataccgactt gactaccagc 1200
 tcattaagaa actcctgatg aagctcgcaa cggcgccgga aatggaatac tacagcaaag 1260
 ccattttggt ttttcttccc ggtatggcgg aaattcgccg gctgaatgac gagctcctct 1320
 cagagccaac gtttcaacac ggatggatta ttcacgctct ccactcgtca attgccagcg 1380
 acgagcagga gaaggcggtc gttgtgcctc cagatggcat gcggaagata gtcacgcca 1440
 ccaatatcgc agagacaggt atcacaatcc ctgatatcac agctgttatt gatgcaggca 1500
 aggagaagac catgcggtgg gtaccagcaa aacgtccaga agaaggaagc taatccaagt 1560
 aggtttgacg agcggcgcca gctgtcccgt ttagtagagg cgttcatctc acgggcaaatt 1620
 gcaaagcagc gacgcggtcg agccggtcgt gtccaaaggg gtatatgctt ccacatgttc 1680
 accaagcatc gccacgacaa tctcgtacgt ttccgtcttc tccattcaac aagggtactaa 1740
 cacagatgtc agctggccga acaacaaacc ccagagatgc tccgactctc gtttcaagac 1800
 ctggctctcc gcgtcaagat ttgcaaactc ggcaagtcg agccaacgct tcttgaagcg 1860
 ctggatccgc cgtcctcgaa gaacattcgg cgggcgatcg acgcactgaa ggaagtcaag 1920
 gctctaacca gcacggagaa ccttaccocg ctaggacagc agcttgctaa gcttccgctg 1980

gacgtgttcc tcggcaaact tatcatccac ggggcgttct tcaagtgtct tgacgcggcg 2040
 attagcattg ctgcgattct gtcatgcaag tcgccgtttg tgaatacgat gggctcgaac 2100
 gctcagaagg aggcgggtccg acttgggttt cgacggggtg agtctctagc tccagttcaa 2160
 atccattaaa tggagaaaaa tgctaataca gggcaggtga ctcgaccta ttgactgtgt 2220
 ataacgcata ttgcgcgtgg aaacgcacac ggagcacacc aggcgccaac gagtacgcct 2280
 tctgtcggaa gaacttcctc agcccgaga cgctgctaaa cattgaggac gtcaagctcc 2340
 agcttatggg ctcaatcgcc gacgcgggcc ttgtcacgct cgatactaac cagaaggctt 2400
 ctctcaaccg gtaggtattc tccaaccca cttcatcaa aagggaccga atacacaaga 2460
 gtaaggacga aggagactaa caaatcggga aaaagtgcc gctcgaccg ccaacgccac 2520
 ttcttcacaa ccccgccatc ccacgacaca aataacgcaa acgacacgt catccagtcc 2580
 gttatcgct ggagctttta cccaagctc ctgaccgcg agggcaaagg gtggcggaat 2640
 atcgccaaca accagtcgt cactttgcac ccaacgtccg tgaacagagt cccttcagct 2700
 tcgtcggaga ggctgccagg gcaaagtcag tacctaagct actaccatat aatgcagggg 2760
 cggaacagga aatacaatgc atttgagac agcgcggttg aggattgggc tgttgcggtg 2820
 ctctgtggag agggcgattt caaggtctgt tttgtcctat ttgctcagtt ttgttctgtt 2880
 ctgccttcgg tcgaaacagc gtttctatat attttgcatt cgttttccct acctcctgaa 2940
 tgtccctttc ttgatcagta cattaacgtg gtagtagatg taccgcggcg tctc 2995

<210> 20590
 <211> 676
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20590

eggaggccac gaacgacgtg gaagaagacc cgtacgtact cacagagctc ctggcggtc 60
 ttgtctgtgg gggcacctac agctcggcaa actttatcgt cagcgttatc ctcgatttga 120
 tagccaatcc acaattcttg gatgagattc gggaagagat ccgcaaaaa cacgaggagc 180
 ttcaaggctc gtgggacttt gcagctttca ataactctgc caagctagac tccgcgttca 240
 aagaaacaat acggctcaca cccggcagcc tcacgaccta cagccgcgta atgctccagg 300
 actatacact atcgactggg attactctca agaagggaca atttatctgc gtttcaagct 360

atgctcgggc aaaggatgac gagatatatc agaacgcagg aagttacgat gcgttacggg 420
 cttacaatga gagccagcaa tatcacgcgg cgcagccttt caaggggtgtg taccaacagg 480
 aatttagatg gggggctggc cggtgggctt gcgctggacg gcattctcgcg tctctgctgg 540
 ccaagttcat tgtcgtgaaa ctattggatg agtatgagtt tcagtttggt ccaggagacc 600
 atcgaccacc caactcgggt tttcacgaat ttgtgtttgt ccattcctagc acaaggcttc 660
 taaccagacg caggga 676

<210> 20591
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20591
 caccacgact ggccacacca cgacgtcacc aatcgtgcc gaagactccc agtcccagca 60
 gcaccacggc caccacggcg gccaccattt cttccaccat aaccaccata accaccagcc 120
 ttctaacaat tcggctaatt cggcgaattc gcagaattcc cagcgcgcta aacaccacca 180
 attcgaccag tcttcagcta ccagtaacca gccttccgac gggcaaaccg cctccatgca 240
 atccccgcga caacagccct ctagtacttc cgcacactcg aattccggcc accacagcaa 300
 tgccgccagc atacacaaca tcataacccc gtcgcagcag aataccccgc aggtgtcgcg 360
 ggccgagcgt accaccaagg gcaaatacac cctcgatgat ttcgcaatcc agcgcaccct 420
 cggcacaggt agttttgggc gcgtccacct cgtgcagtcg aagcacaacc accgctacta 480
 tgccatcaaa gtattgaaaa aggcgcaagt tgtcaagatg aagcagattg agcatacgaa 540
 tgatgagcga cggatgctga accgtgtcag gcattccttc ctgggcaccc tgagggggac 600
 ttggcaggat gtcgaaacc tctacatggt tatggactcc gtccagggtg gagagttgat 660
 cagtatgctt aggaaatctc aggtgagcta tgctgggtcca tgattactac aggagcgagc 720
 tgatggtggg caaatggaag cggttccgca accctggccc gaaaatctat gctggccgag 780
 gtacttcggc cgtggagtat ctccactcat tgagtattat taggcgagag cttaagcctg 840
 agaacttggt 850

<210> 20592
 <211> 573
 <212> DNA

<213> Aspergillus nidulans

<400> 20592

ggatctccct ccgagcggcc ttgacaacct ccaggaagcc tctcgctttc gacaggcgcg 60
gccccgcctg tgtcgccctc gaatctctcg gcgacttggt acgcgcctgc ggccaaaacc 120
cgacgcttgc ggagattgcg gacctggaga agaattgtcg cggcgacttc gactttgagt 180
cctttttgaa agtcctgaac cgccctgggg gctttaggga gcccggtgag ccggaggagt 240
actgccgtgg ctttcaggtg ttcgataaag atatgacggg gggttatcggg gtggggcagt 300
tgcgttatag tacgttcttc ctttttcccc ttcattggact gggagctcgg gttgattcat 360
tgagttgggt tggttgtatg ttgctgacgg tgtattcgac agtcttgacg aacttgggcg 420
agaagatgac cgatgaagag gttgatgagc ttctcaaggc gggtgatact agctctggcg 480
agatcaacta taccggtatg ttgtgttatg tccatgttga gaggatgtag tgggtgcta 540
ggtgtagatc ttgttcgtac catcctggcc aac 573

<210> 20593

<211> 850

<212> DNA

<213> Aspergillus nidulans

<400> 20593

tacaaccatt aagctcatga agctactgcc tgaagctgat atggcaattc gtcttccggc 60
ggttcttctt gatgtttgca gtatcctgaa gagtaaagct caggattccc gggacacagc 120
tcggaaaaca ctgaacgaca tcgctctttt gcttggacct aactacatgg gctatatcct 180
caaggagttg cggcactatc ttaagcgagg ctaccaactt cactgtctct cctttactgt 240
tcattctatt ctggttgcaa caacagacga tttcaagcag ggtgacctag actactgctt 300
agcggatctc gcctcgggtg ttatggatga cacttttggg actgttggtc aggagaaaga 360
agccgaagac tacgtcagta agatgaagga agtaaagagt aacaagagtt acgattcgat 420
ggaactctc gccaaaaatt caaccatcca gaatcttgcc agcttggtgc ggccattgca 480
gtcgcttttg cgggaaaagc tcacctcgaa tattgtgcgg aaggccgacg aactactgcg 540
aaggatcgga attggtctct tgagaaaccc tggagtcgaa agccgtgaca ttctcatctt 600
ttgttacgag gtcacaaag aggcataataa ggagccggtc cagcttggcg ctcagggttc 660

caaatctgct caggaggaga acttcctgat caacatgaaa ggccaacgcc ggaacgaaaa 720
 gcgaggaagt acgtcctcat acgtctacaa actagtccgc ttctccttcg atgtccttcg 780
 ctctgtcttc agcaagtata actcgatcat gactcctgct aatatcgccg gctatcttcc 840
 catggttgga 850

<210> 20594
 <211> 710
 <212> DNA
 <213> Aspergillus nidulans

<400> 20594

caacaagtta cccggatcaa tccagtgaag caattcattc gcaatgttcg gtcagccaat 60
 actattgcag acgaacgagc agtcatccaa aaagaaagtt ccgccatccg tgcgtcgttc 120
 aggaaagaaa gccatgattc gagcattcgg ttagcattca caactatact ctactatatg 180
 cttcgttttg aaccaatata tcatatgtcc ggacaggaga aacaacgtcg ctaagctact 240
 ttacctattc acactcggcg agcgtacaca ttctcgccag attgaatgtc tgaaattatt 300
 agcgtctcat cggttcgcgc acaaaaggtt gggttattta ggcacgatgt tgttgctgga 360
 cgaaaaccaa gaggtcttga ctctggtgac gaattcgctg aaaaagtgag tgggtctctga 420
 gttcttcgtc cgctcactcg tctgatctct tcatattcta gtgatctcaa ccactccaac 480
 caatatatcg tcggtctatc cctctgcact ttgggcaaca tcgcttccgt ggagatgtct 540
 cgtgacctgt tcaccgaagt tgaatctctc ctttccaccg ccaacccta cattcggcga 600
 aaagcagctt tgtgcgctat gcgcattctgt cgcaaagttc ccgatttgca ggagcacttc 660
 cttgaaaagg caaagaactt gttgtcggat aggaatcacg gtgtccttct 710

<210> 20595
 <211> 583
 <212> DNA
 <213> Aspergillus nidulans

<400> 20595

tatcctccct aaggtctttc aagagcgaaa ggatgatcta cagtacatat tctcgaacaa 60
 agcaaaaacg gttgatgaat ccattccgc actgctttct gcgcagagga tcgaaagggc 120
 aaaatccatg ctgaaaccgt tcgttctacg gcgaaagaag caccaagtta ttgatttgcc 180

tgcaaagatc tcgcgcgttg agtactgtga aatgaacgct gccagcggg agatatacga 240
 acatgagaag aacgaagtaa agaagctctt ggaagacaga gcagccggca aaaagacggg 300
 caacaagtcc gcgaacatcc tcatgaaact ccgtaagca gccattcacc cactccttca 360
 ccgacgccac tacaacgaca aaattttaac caagatgtcc aaagcttgct tgcaagaaga 420
 gaaatggggc gaatccgacc caaaactcat ctacgaagat ttacaaccct acaatgactt 480
 tgagtgccat caactctgtg tggaaaaccc caaatccctt ggcaaattcg ctctcaagaa 540
 taatgagtgg atggattccg gaaaggtcga caaactctgc gaa 583

<210> 20596
 <211> 624
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 20596

ttacaacagg attaattctt caaaatttgc ctgccagtgt ggtcatgatg atctctgcag 60
 tttgcacacc cgacattttt tatgccatca tgcctatcaa acagagctac taggggcagc 120
 tgtttgcac gatattagta atgccttgct gaatgtgagt tacttcatga tatatttcgg 180
 actggtatcc acacttactg actgtaacca gggaaatgct ttttcccgca tgcaatgttc 240
 tagtttccaa cgcgatacct caagaacatc aaggagtaag tccattagct actaaactct 300
 ttcaaaggc catgaagcta agcgtgttga tgctatttga tggttcagca ttgagacgga 360
 gaaaataact aaaattgtga ttgcaggtct cagccagctt agttgcaacc ttcatgaatt 420
 atgcgtcctc tttgggtctc atgtttggtg caatagtcgg ggttgatcac aaccaaaca 480
 gaacagatct cttaaggggc tatcgaagag cttggtactt aggcgtcagc cttgctgcgt 540
 cagggattat ctncangatg tttcttgctc tccatgaaca tagggagtcc attcgaacga 600
 agttaagtt actcggaaga ggag 624

<210> 20597
 <211> 559
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20597

catatcccca gctccgatat attgtgcaag accgcgccga ggttctgcag caggcacagg 60

aggagatctg gcctgttgaa gcccctgagg ctgtagccga cggccgggta cagttcatgg 120
 agcacaatth cttccagccg aaccccgta agggggcaga tgthttactgg ttacgtggaa 180
 tcttgtaagt ggagtctagc cgccatccaa ttctctcagc cctctctgta aagggccgga 240
 tccagctgac agcgccacgc agacacgact ggtcggacag ttactgcgtg cagattctct 300
 cagctctgcg cacctcgatg gctcccacat cgcgcattct ggtatgcgat caggatcatga 360
 acacgacggc cggctcgat gagatcccc ctgccccgtc gccactgccg gctaattatg 420
 gctattacat gcggtacccg caccaccggg atctggcgat gatgtcgatt atcaatggaa 480
 ttgagaggac tccggcgcaa ttcacggaac tggatgaagca agctgggtctc aagggttaaca 540
 agatctggaa ttgtcggag 559

<210> 20598
 <211> 662
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20598

ctgttaacag tgggtctgtc agccgtccga gaggggttcgg gctcgacggc atcatgttcc 60
 tccctcagcg accatacctg agtgtcggaa cccttcgaga ccaggtaata tctctcaca 120
 ctgaaatcga catgcgagat gcaggtgtct cagaatcagc cctccagaaa atcctcgatg 180
 atgcccacct tggctacctc ccttctcgcg aaggcgggtg ggactcacgc aaagagtggg 240
 aggacgttct gagcgggtggc gaaaagcagc gaatggccat ggcgcgggctt ttctaccatg 300
 aacctcgcta tgccttcctc gacgaaggaa catctgccgt ctctccgac gtggaaggac 360
 tactatacga acaagctaaa gaacgaggga ttacgcttat caccatctct acgcgcgcct 420
 cgctgaaaaa gtatcacacc ttcaatctta ctgttggtgt gggctccgag ggggagcaat 480
 ggcaatttga aaggatcggg accgccaagg agaaactcgg ttagagagaag gaacttgagg 540
 agattcgcaa gcgtctcagc aaagttgacg aatggaagaa acgacggcag gagattgaag 600
 acgagctcca aaaggtctgg gtcgatcatg gagagcttgc accgtcttca tatgaagagg 660
 at 662

<210> 20599
 <211> 577

<212> DNA
 <213> Aspergillus nidulans
 <400> 20599

tactatgttg agctaaaaac ctgctccggc aaagagctcg tgggtggggat ggatcaaggg 60
 aggaaataaa gaggaagcta attcaggaaa accaattcgc gcgaagcttg gtgaggaaag 120
 ttctttctac tacgataaag agctgaagaa atgggtcaac aagaaagacc ccaacagcgc 180
 taccocggct cgtgctactc cacccccacc gaaagccatg ggccctccta gcagagccgc 240
 cagtgggagc agcatgccac cgtctggaac agcaggtctc ggtagtcggc caccgtctgt 300
 tgcgcccgcg ccgtctggca gcccggctcc atcttctctt ggccctccac caacacctgg 360
 tttaggccct gcgcgatctg cctctaccgg cgccgtgccg cccgctggta acgcttcac 420
 ccgcccggga agctctgctg ggccctcctc caggccttct acgtccttga gccatgctag 480
 ctcaattgac gacttacttg gagcaccaca ggcacgcaag ggcgccactt ctcgaggcag 540
 gaagaagggc cggtatgttg atgtaatggc ccaataa 577

<210> 20600
 <211> 470
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20600

atctgtggct gttggctgat cttgagagtg gcgaggaatt tgtgaccgag gctggcacta 60
 tgaatctttt tgtagtctgg gtgagttctt ccacggggaa gaaagaactg gtgacgccgc 120
 cactggatgg gacgatcctg cctgggggtga ctcgaatgtc aatcttgagg ctcgcgaggg 180
 agaggcttga aggggacagg tctgggtattg aggtggtaga gaggaggatc accatgcgag 240
 agttggcggc tgccctgaag gagggccgcc tgttggaggt gtttggtgca gggacggcgg 300
 tgggtggtgtc gccggtgagg tcgattcggt ggggagacca gtgtatttcc tgcggtctac 360
 gagatggaga agaagctggc ccgatgagtc tgcagatgaa aacgtggctt gaggaggtgc 420
 agtatggcct gggtgagcat ccttgagggt gagtttcttc cattacaacg 470

<210> 20601
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20601

ggctctgagg agagggcgag ggggtgtgact atcgacattg ccacaagaaa atttgaaacc 60
gagaacacgg tttttacgat tgtagattcc cctggccata gagactttgt tccgaacatg 120
attgcgggcg ctagtcaggc tgatttcgcg gtgctcgta ttgacgccag catagggaac 180
tacgagtccg ggttgaaggg ccaaaccaag gagcatgcgt tgctcgtgag gagtatgggg 240
gtccagagga tcattgtcgc cgtgaataaa atggatactg ttcagtggga ttttgggcga 300
tttgaagaga ttgagcaaca agtttcggca ttctgatca ccgctgggtt ccaggctagg 360
aatatctgct ttgtgccttg ttctggagtc aatggtgaca acatcaccag acggagtgag 420
gatccaaatg tgtcttggtg caatggccgt actctgggtg aagagcttga agaaacaaaa 480
ccgtacttcc acgcccttga caagccgctc cgaatgacaa tcggcgatgt attccgcggc 540
agcatacaaa accctctatc aatatctggc cgaattgacg caggcagctt acaagtaggg 600
gaccaaacc tcaccatgcc gagcggagaa accgcaacaa tccgaagttt agaggttgat 660
gaagagccaa acgactgggc agttgccggg caaaacgtcg tcctacactt ggccaatatc 720
gacccgatcc atctccgctc tggcgacgtt gtatgccacg catccgcccc gattcccaac 780
atcacttcat ttacatgcaa ggtacttgcc tttgaccact tgcttcctag taggtcgaat 840
cggagagctc 850

<210> 20602

<211> 392

<212> DNA

<213> *Aspergillus nidulans*

<400> 20602

tacgcacacc agccatatct aatcgctct agcgtccaa actacgtaac ttctcatgc 60
actcattcca cctaaccctc tggctcctta caccgcgaa aaccgccatg atcaaagaca 120
cccagtgtgg attcaagctc ttttcgagc cgtctctgcc cgccatcgct ccctacatgc 180
actccgaagg ctggatcttc gatgtcgaga tgctcatgct cgcggagttt gcgcgtatcc 240
ccgtggccga ggtccctggt gactggcgcg aggttggcgg aagcaagctt aatgttatta 300
gggatagtgt gggcatggcg tggagtttgg ctgttttacg cgcggcttgg ttgttggggg 360
tatatagacg gacatagtgt gctcttagtg gt 392

<210> 20603
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 20603

tcaatatgac tgggacatta gcagatgcta gattgagcgg aaatggcaag gagtatacac 60
 cgggtgtcaa ataggcacca atctataaat atggcggcca ttatgctaag acacgaacat 120
 atctcattga tcattaacta ctagacctct caagaacttt gaatattggt caaaaacaca 180
 ggtctctaac ataatgaatg actatataaa ctacagtgcc cgagcctagc accgaacttg 240
 gtcgctaccg cgtgctatcg gcaactgaag gaattcgggt ataggctctg caacttggag 300
 ccatgtgcat tgaggaggcc tgaacagagc tcatgggatac aatgaacaaa gagtgttcct 360
 tcaagcagca ggatgccttc gtcaaatcag gatgcaactt tattgatacg tgcaacatcg 420
 atgaaagcga acagcacgag ttctggcatg gtgaatggat gacgtgcccg aacaaccgtg 480
 acagaatggc atagccacta 500

<210> 20604
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 20604

tcctttcttt caccatcctc ttgaccggca tccccatgtt ctaacaaggc cagaaccagc 60
 acctttccgg cgacggaaca cccaagaacc gtcaggccgt ctggctgtcg gcgtacaaca 120
 ccgattccga attgtacaag ctgattgcta cgcttaacaa aatccgcaag cacgtcatct 180
 cccttggctc ggactacctt gatgaacaga ccgtccccct ctaccgcggg ggaagcgagc 240
 tggcatttag taaaggcgtt gagggccggc agattattat gttgctttct ggtcagggca 300
 gtaagggtag cccttacaca ttgaccctgc cggtagcta taatgccggc accacgggta 360
 cggatgtgtt gcactgtgtt aattatacga gtgtcgggag cggcgagcgt gcgggggagc 420
 ttgatgtgcc catgagcaag ggggagccgc gggttttctt cccggcagac ctgatggaag 480
 gaagtgggct ttgtggacat 500

<210> 20605
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 20605

gcaggaagag ccggtaacac agtctcgctt agccgcttta ttcccatcat tcaactgggag 60
 aagacgctct gttgtttctt ctccgggtgt caaggagccc ggatgggtga tcaaagacac 120
 aggaccagtc cgtgttgaaa ctaagggttg gcttgcaa at caacgaactt ttatcaa atg 180
 gcttcatgtt agcattttac ttctctctt ttctctcggt ttgtataatg ccgcaggcaa 240
 gcacaacgat atagcgcgcg cactgtctat tgtctacacc gcatttgcca tttttgcggc 300
 aacctgggga tggtagatgt acgagaagcg cgcaagactt attcgagcac gaagcgggcg 360
 cgatctcgac aacacatttg ggcctatcat cgtgtgtatt ggattggcag ttgcattgat 420
 cctaaacttc gctttcaagg tacttacctt ctctgatact gatccagcag aagctgacat 480
 gactagtacg cctccaccgt 500

<210> 20606
 <211> 835
 <212> DNA
 <213> Aspergillus nidulans

<400> 20606

attaaaaggc ggcggcggga aaaaacacac gaacgagaga gaaaggagag caaatggga 60
 acaaagagaa agaaccaatt aaagagaaca gcagaaaaca acacagaaaa gcacaaagga 120
 aggacaaacg gagccaaacc aaaacacaca aggcaagctt gcgaaaaagg aaaaaacagc 180
 cagtagaacg aggggacgaa aaggaggaag gagaggacga agacaggcaa gacgcgatcg 240
 caaggacgca aacacgcaaa aaacggaaga gccggggacg gccagcgcta gggaagaata 300
 gggtaaggga cgaaagcagt caagcacggg gaagactaca gccccagaa aaaccacgg 360
 caggccggcg aaaagaggac cgccagtcgc aaaagacaca agaacggact gaagagggcc 420
 aagactaccc gaaaggaaag tgcacctcaa accagaaact aacataaaca aaccta atct 480
 aaaaaaagg aacctcaggc aaacgaaggg taaatccaa ccgaaacgca cccccaaaaa 540
 taatcaccgc agaccaaaca gagataaaaa caggccgccc caaacgaggg aaaaacacat 600
 agtcaaaac agtccggaca caaacggcaa taaaaggaaa gaaaacacac ggaaaaaaga 660

gaaacacgaa acaagtcaaa aaagaacagc ccaaaaaagt aaacaaccac gaataccgaa 720
 acgaaaacac ccacgacaac aaaaccataa aaacgcctat agaaaacaca actaaaccaa 780
 cagcagaaaa taagaagcac gataaaaaca ttgcaaaaca tacacaccac aatcg 835

<210> 20607
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20607

cagcgaacag cgcattctgc gcttcgaaga agtcttcggc cgcgcgaact gggatatcag 60
 gtttcagcat ccccgattg gtaatataac gccgtcgcta cacttaatca atctaaacag 120
 cttgacactc gatggaccag cttattctca ggacattcag actcaaggat acgcttatat 180
 caacagtatt attgaccgat catacccagt cgaagaccgg agcacgttca cgctcctgct 240
 gacacatctc ccgctccata aacctgaggg tgtctgcacg gatggccctt attttacttt 300
 ctttgagaaa aacgatgaat ccgggaaaaa gcggtataaa gctggcgggc tgcgcgagca 360
 gaaccatctc agtgagtttg tcagttccaa cgggatcctg caggggaattt ttgggatgac 420
 tggggacgag ggcgcgcggc cgggtgggcg ggggaggaac gggctcatct tgacgggcca 480
 tgaccatacg ggggtgtgatg tcgttcattc tatacagaaa caaccacagc agccacctgt 540
 cgagaataat gaaggctctt tccccgacga ggctgagagt ggccaacaga gctggacgtg 600
 gaacacaacc cgctacgacc catccggacc ccaggactca tcatctccat ctattcgaga 660
 aatcaccctt cgctccatga tgggggagta cggcggcaac gcaggccttc tgtcattgtg 720
 gtttgacact gccgcttcgg agtggaggta cgctgtcacc atgtgtcccg ccggcgtaga 780
 gcatactctg tgggctgttc atgtcgttga ccttaccacg tttattgttg gattcttgta 840
 cgccttggtg 850

<210> 20608
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20608

ctgctgggca caccgtctca gtagtccttc ctcatcagca gcgatcatgg attggtaaag 60

cccatcttat tggcgctgcc gtcaaaccac cctatttccg gcccggaacg ctgcacaaaag 120
 atgatggcac aacgcacgag taccgcgcgc gcgacaacga cccagacggc gacgagtgga 180
 ttcttataaa ctcaaccccc gccagttgcg tgcagattgg tctctatcac tatttccagg 240
 accgtggggc cgttgacctc gtggtatccg gacccaatta tggccgcaat accacggcac 300
 ttttcgctat gtcgagcggg acaatcggcg ctgcaatgca gggcgccgca tgtggaaaac 360
 gtcgattgc cctctcgtat gccttcagct cgcgcaatca tgaccctgtc atcatcgcg 420
 aggcgtctcg gcattcagta cgggttattg agtacctcgc gaaaaactgg gatgaggggtg 480
 ttgatttgta cagcgtgaat gtgccgctgg aacctgggtg gagcgaaagc aaagtaatgt 540
 atactgagat gtcgataat cggtggtcat ccgggagttg ctttgacgct gttgatgccg 600
 aggtaccggt agaaaaccca gagcagcgag aacagaccct gcgggatcag gaggagaagc 660
 tggaagaaga tccactgcg aaccctaattg ctaagtctgg aaggaaatcg cggattgccc 720
 ataagcattt tatttgggca ccaaagtta ctgacgtcta tcggagcctg gaggaaagt 780
 cgcttgggaa tgaaggctga aactgtcaag gagggaatga cgaggtatgt caacaccagg 840
 ccttggctcg 850

<210> 20609
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20609

ttcttaaagt aaaccgcatg atggaaattg cgtttgaaaa cgacttgccc ctgatctcac 60
 tcgtgcaatc ggtactccca ctagccaata acatacaggc aacctgatct gacatctata 120
 ggccgggggtc tttctcccc agcagttccg cgtcttccac aaggagggtc agctcttccg 180
 ggacctggcg gtgcgcacgc agcacggaaa gccatcctgt gccattgtct ttggctcctc 240
 tacagcgggg ggagcttata atcctgcgct gtcagactat accattttcg tggagaacca 300
 ggcgagggtc ttcctgggag gacccccctc tgtgaaaatg gctacaggag aagtatttgg 360
 cgccgaagag ttgggaggag cgaacgtcca cgcgacagtc acgggtctgg ccgaccaa 420
 tgccattgac gagtatgcct gacggatata atgaagtttg tcccctgcct cctgctaatt 480
 atacgcagggt tcgacgcat cgtgaaggct cgagagtggg tttcaaccct acgagagcga 540

gcagtgcctc tccatagctt attatcgctt gctgagcccc gatatccagc ccaggacctc 600
 ctttatcttg ttaatcctga tattcggaag ccgttcgaca tggtggaagt gttgttgcg 660
 attgttgatg attcgcgcct gtccatgttc aagcccaagt acggcacgaa catgatcaac 720
 gcgtgggctc atattctagg tacagcagcg gatgctgtat cccatttgcg tgtgaacgag 780
 tcgctaactg cgggatacag gatttcccgt gggaatcgtc gcaaatcaaa tctccgtcat 840
 caatcctaata 850

<210> 20610
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20610

eggacgcacc tcacacgcgg ccattatcag tcgcgagcta ggcttgccctg cagtcgtggg 60
 cgccggccgt gccacctaca tgctgcactc ggaccaggag gtcaccgtct catgcgccga 120
 gggcgacgcc ggcttcgtct acaagggcct ctgagagatc cgcaccgaga ccattgacct 180
 ttccagtctc gcgttccccct cgccctcgcc ctgctgcac tcgacgcagg tcatgctgaa 240
 catggccaac ccggccgcgg cgtaccgctg gtggcgctt cctgccaacg gtatcggcct 300
 tgcgcgcatg gagttttag tcagcaacag catccagggtg catcctatgg cgctcgtgca 360
 cttcgacgag ctccgcgacc cagcagccaa ggaccagatc gcacggctga cggcgggcta 420
 tcgcgacaag cccgcatact tcgtcgaccg gctggcgcac gggttcgcg cgctgtgcgc 480
 gaccgtgtac ccacggcccc cgatcctgcg ccttagtgac ttcaagacga acgagtacgc 540
 tgggtctcatt gggggctcgc agttcgagcc gcgcgaggag aaccgatgc tgggccttcg 600
 gggcgctcc cgatattact cgccgcggta caggaggcc ttgcgctcg agtgtcgcgc 660
 aatcaagcag ctacgccaga ccatcggttt cacgaacgcg atcgtcatga tcccttctgc 720
 cggactgtcg acgaggcgcg gcgctgcttg cgctcatggc cgagaacggg ctggtgcgcg 780
 gccaggacgg gctgcagggtg tacatgatgt gcgagatccg accaatgtca ttctggccgc 840
 gattttccga 850

<210> 20611
 <211> 850

<212> DNA
<213> Aspergillus nidulans

<400> 20611

aaaagcgtct agcaaatacc aaaaggtaag gagtcgtgct gaaggcccta aggagccgtg 60
cactgacggt tctacctagt tgaatctccg tgaacatata acaatccgcc cagactctta 120
tatcggctca gttgagcgga ccacacagga aatgtgggtg tacaattccg agattgacgg 180
gatggagttt cgggaagtct cctacgttcc cggtttatac aaaatcttcg acgaaattgt 240
tgtcaacgcg gccgataaca agcagaatga cgataacatg gacgagatta gagtaactta 300
cagccggggag accaatgaaa tcagtgtttg gaacaacggt aaaggcattc cgggtggaaat 360
gcacgaagag cacggaatgt acatccctca gttgattttc ggtaatcttt tgacgtcctc 420
caactacgat gatgccaagg agaagatcac tgggggtcga aacggtttcg gtgctaagct 480
ttgtaacgtc ttttctaccg agttcacagt cgaaactcag gattcgaaaa agaagaaacg 540
atacctccag acttgacag acaatatgca aactgtgggc aaacctaaga tcaccgctgc 600
taagggatcc gtcttcacaa gggtaacatt caaggccgac tttcccagggt ttggcatgga 660
tggtcatgat gacgattttg aggcgcttat caagcgacga gtctacgacc tggttggtac 720
cacgggctg acagtcaagc taaatggaac ccgtttgcc gtccgaaatt tcaaaaagta 780
catggaaatg tacacgaaag ccatccgtcg agagcacggt gatgtcgact ccaaaagaga 840
tccaatcatc 850

<210> 20612
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20612

cggaattcaa tcgtggattg agggcggcgt gatctcagcc gtcacatcc tgaatattgt 60
tgtcgggttc ttccaggaat atgcagccga gaagactatg gagtcgttgc attcgttgag 120
ttcgccaacg ggaaccgttt caagaggcgg cgagaccttc tcggttccat ctgctgagat 180
tgtccccggt gatatggttg agttgaggac gggtgatacc gtccttcggt atatccggtg 240
agttaactct tattcaatga tggaggtagc gggattgacc tgattagact ggtcgaagcc 300
gtcaacttcg agaccgatga agcccttctc actggagaat cctccccgt gcaaaaaggaa 360

tgcgactcta cgttcaagga agagaccggc cccggtgacc ggctgaatct tgcctacagt 420
 tcaagcactg tcaactcgtgg tcgtgccaga ggcgtagtcg ttaatacagg catggctacc 480
 gagattgggt ccatcgcggc cgcgcttcgt gccactaaca gcaagcgccg tccggtcaaa 540
 cgcggtcctg acggcgagac caagaaacgc tggtagctcc aggcattggac gctgactggt 600
 actgacgcag tgggcccatt cctggggagt aatgtaggga ctccgttgca gcgtaagtgt 660
 tcgaaacttg ctatcttgct atttggtgtc gctgtgctct ttgccattat tgtcatggca 720
 gccaatctgt tctcgaacga taacgaggta atcttgtagc ctgttggaac cggctctgagt 780
 atgatccctg cctggttggt ggtcgttctt acaatcacca tggctgtcgg gacaaaacgc 840
 atggtggaag 850

<210> 20613
 <211> 677
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20613
 ttttttagtt ttgaatat tttttttttt ttatat ttttctcttt atgttttatg 60
 tgttat ttttttgta attctttttt tttcttgitt tatttttttc tctttttttt 120
 tttgttttta ttgggttttt atttttgtat ttttttagtt ttttttgitt tttgtat tttt 180
 gtatgttttt ttttttgttg ttgtgttttt atttttattg tttttttttt agtgtttttt 240
 tttttatttt atttgttttt ttgttttttt ttaatttttt atttttattt ttttttctaa 300
 tgatttttat tttttttttt tattttttat tttatttatt attttttttt tttttttttt 360
 ttttagtattt atttttttta tttttttgta tttgtttatg gtttggctct tacctttttt 420
 tttgtttttg tgtgtcgttt ggggtttttt ttttttattg ttttttttgt tgttagtttt 480
 tgtttttttt ttgttttttt ttgttttatt tgtttttttt tatttgtttt ttttttattt 540
 tttttttggg tatttttttt taatttttct tctttttttt tttttgtctg tttcttagtt 600
 gccttttctt gctgtttttc ctacaatatt ttgtttactt gttttgtttg tttggtttgg 660
 ttatcccttt ttctaatt 677

<210> 20614
 <211> 850

<212> DNA
 <213> Aspergillus nidulans
 <400> 20614

```

ggcggagcaa atggcatagg agccagcctc gtcgagtatg ctgtccagaa tggcgcatct   60
gtgtgcttcg gggacgtcag cgtacaggcc ggcgaggaga ttgcaaggac ggtgaaggcc  120
aacgccccat cctctcctac ccgcgagtc tttgtcccca ccgacgtgac aaagtacgac  180
tccgttttgg ctctcttcga cagagcgatg gaggtcttcg gacgcatcga ccatgcccgc  240
gcaggcgagc ggatcgctga gattgggaac gtctttgatc cagcgctgga tatgcagtct  300
atccgcgagg caagtcaacc cagtcttctt aatatcggtg gaggacaggt tataacaaat  360
tgaaaatagc ctccaccac aaaggtcctc gatgtgaacc tctcggctg tctgtacaca  420
gctcgcatcg cgagcgtgta tctgcgccag aaccgctcag agccagaagc agaccgctcg  480
attatcctca tttcctcgga ggcgggcttt aaggaatccc cgggcctgtt tgtctaccaa  540
gcctccaagc acggggagat cggctctcatg cgcgcactgc gactctacct ccacggccccg  600
gcatccgcgc acaatatacg cgtaaactgt atttgtccgt ggatgacgac cacggagatg  660
gtcaagggta tacaggaggg atggatcaaa gctggcttgc catgaactcc ccatggatgc  720
agcaggaata cggcagctga ctggggagat gtaactctta atgggaccct cgatgtatgt  780
tgagggcgaa cgggcagggg agattgaggc gaatatggat cgccttgagc ctggctggct  840
atggagaaga                                     850

```

<210> 20615
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20615

```

gagactagag tcatggctgt ctgcactacc gcgagacgcg cagttcgtac cagcgctcga   60
gacgattttt aacgacggtg aggatgtatt gtccttcac ggcgcgatga tacggatgct  120
ctaccacgct acagtaagcg ctctccaccg tccatgggccc tacggatcca cgaaagacca  180
gacaaaatcc cggcttgaat tggcggctgc agcacgaaca aaaatgcaag acgccgcgat  240
cggtatcacg cagattatcc aaggcctcaa ccagctagat ctgaccgct acctccctca  300
gtccggcgta acagttatcc tccctgccgc cgtagctcac ctagctaatt caatgtcaaa  360

```

cgaccctact ctccgcgaaa acagcatctc caactttcag cggatgcattc gggatcctgca 420
 gggcttgaag gagatatatc ccgcccgcga catggaggta gccaacattg aagccgccgt 480
 caaagcgcag tccaacacaa gcgcctgtt acgaatcatg cagttcaacg gatcactccc 540
 atctcggect ggatctccac acagaaccag tttggtttca aatccagccc gtataccgtc 600
 gcctttggac gaaccaaacc actggacgcc acctgccgac gaacaagaca ctgcacatcc 660
 catccttcat caactgggtc acgcttcgcc agataataag gataaacggt cctctccgtt 720
 aaagccaaac cacgaacact cagcccaatc taaccacccg cgtcaagacc aaccaacacc 780
 cccgaccgac atccctgatc ccgtcaccat ctccccaact acaccacagc agaaccagaa 840
 ccagccacca 850

<210> 20616
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20616
 ccttgtgagc gtccgaaacc gtgtggccat cctcagacga cgcacaattg tcacacagag 60
 gacgaatctt gcccgaagtg ccctttccta acagagaaaa catgcctttg cgggaagcgg 120
 accctaaaga atcaaccctg ttggttgga gatgtacgct gtgggcaa at ttgctggcga 180
 ccactcaa at gcggctctca ttactgtcaa aagaattgtc accgaccagg cgaatgcga 240
 gatgcctcac agccctgtca gcaggcatgt ggaaagacaa agaccgtttg cggccatcca 300
 tgcacggagc cctgccatgc tccgtacccc tgtgccgaga agacgccatg tgcgtccaca 360
 tcacggtaac atgtggctgt ggacgacttc gtcaggaccg tcgatgcaac gctatgaaag 420
 ccgtgacatc gaaggacag ctgcagcagc cgcagaggct ccccgcaacc agccccctat 480
 catgcgacga cgagtgtgcc cggtagagc gcaaccgcgc gcttgccgca gctctagggg 540
 tcaatatcaa cccgtcgacc accatggcgc aaaatactat ctctccacg aacctaccat 600
 actcttctga aacactggac atgtacatcc agctctcatc tacatcccc ctctcgacgc 660
 ttcaatccca cgaagcaacc ctacactccc ttgctacaag cactacccaa cgctccgtgc 720
 gaaccagcc cgaaaatcg tctatccgag ctttcatcca ctctcttgca tcggactacg 780
 gcttcgcgag cgagagtttt gaccagagc cccaccgaca cgtattcgtc ctcaagccta 840

caacttggac

850

<210> 20617
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 20617

ccccggagg cccgacccccg ggggggggaa aaaaaaacga cgacggggggg gacaccaccc 60
ccaaccacaca agccaagccc ggctcggca accccccca acaaaggagg cacacaagcc 120
ccaagaggaa acccaaaca agcaggcgac caacccccac cagaaccacg gacgagacac 180
cccgaggagc gaaagcaacg gcaagcccga aaacccccgac cccaacagcc aggcaaaccc 240
ccccggacaa ccaacccccga agggccaaag acacgcaccc cacctcagac aaaagggggc 300
cccaaaaacc gcaaaccgac aagacccccca gacacaccaa cagcaccggg cccccccgc 360
cggccaaaaa aggcgccaca ccagaacacc cccaaaagcc acccaagggg accccggcca 420
cccagaccca cggacccccac aaccaaaaca ccccccccg cgggccaaca aaccacccac 480
gcggacccga aaccaccccc 500

<210> 20618
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20618

tatacaagta tgaggtcgat attgcgcgag taatacgcgt ctacttcaag gacaagctcg 60
agattccggt cgagttccga acaccagcca ccaaggatat ccaaagcgaa tcatcatctg 120
tgtgggaccg ccgggcgcgc agaagaaaga tgaggatgga cacctacctc tgggatgaag 180
aaaaggggaat gtactttgat tacgacacgg tcaaacaaga acggaccaac tatgagagcg 240
ccacgactct ctgggcaatg tgggctgggc ttgtcacgcc acgccaggct tctgcaatga 300
tcaccaaggc acttccccgc ttcgaggagt ttggtggaat tgtctcgggc acctgaagag 360
tctcgtggtg ctgttgact aaaccgacct actcggcagt gggattacc atacggatgg 420
gcgccgcagc agatgctcgc gtggaccggg ttcgcccgtt acggatatca ggaagaggcc 480
gagcgacttg catacaagtg gctctacatg atcactaagg cgttcgttga cttcaacggc 540

gtcgtcgtcg agaaatacga tgtgacccga cccattgacc ctcaccgcgt tgatgccgag 600
 tatggcaacc agggcgctga cttcaagggc gcccctcgcg aaggggatgc tcccactgtt 660
 tccatatttg actgttgtat gctaactatc gccaaactagg ttcggttggg tcaatgcaag 720
 ctacgtttac ggcttgga aa tgctcaacgc ccatcagcga cgtgctcttg gtgcggtcac 780
 tccatgggag acgtacagca aggctgtttc tgcgcagggt agtgacaccg ttcttgaaaa 840
 cagatctgag 850

<210> 20619
 <211> 519
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 20619

aaaaaaaccc aacctaggct taccctctcc accctcacc aggatttaac caacggcggg 60
 attacgtttc aacggcacac ggtaatgctc aaatcctatt taccctttgg tcaaactttg 120
 aacctatgaa ctgggaata aagccattat gtgcggtcac accataatcc agcaaactcg 180
 cagatcaca gcagcaccac cgacttaggt cactacttcg cnccaagcac ccagtcactc 240
 gacgaaatta gccattccca cgccccatgg tcagctcaa acacaacaat ttccggcgat 300
 actagcgggc gcaactacca tcatctaccg ttacgacgt cagatcactc cgttacggta 360
 tcgcgcgagt cgcaccagaa tcacagcttt gaggggctac tgccttcgga tgatctcggt 420
 ggaatcggtg ggggattatc tggatgacct aatatgaacg gggcgggccc cgaacataca 480
 tcttcggcat atgctgaaca tactgcggtt gaggtgtc 519

<210> 20620
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20620

ttcgagcacc gtcagagtcc ggagatgctc cataagtttc ttgaccttgt cattcggtt 60
 tacgaggact cgaaaatcac caggactgag ttgacggta gacttgagca tgcattcttg 120
 attggcacia gagctaagga cgtggagatg cgcaatcgct tcatgaccat ctttgatoga 180

agtctgaccc gcttggcgag ctcccgttg agttacgtct taacttgcca gaattgggac 240
 actctctcgg actctttctg gctcgcgcag gcgtcacact tgattctggg ctgtgtggat 300
 atgacagccc cggctcgtct ccaccccgac gacttcacca tgtatcctct atcattccta 360
 ttcggtaacg ccgagaagga cccgcgtcgg gcagaagtta tggttgataa tcagctcgaa 420
 gcattcattg ccgaccgcaa gaggtttctt ggtgaaattg ctgaagtcaa ggctcgtgat 480
 cttattgaac cacttaccca actccagcat actgaccta atacgacgta caagctatgg 540
 actgcgctgt tcccaatttt ctggtcgacc ctatccggg aagatcgag tgacctggag 600
 aaggggatgg tcagtctcgt taccgcgag taccaccagc gacaggtaga taagcgaccg 660
 aatgtcgccc aggctttgct tgaagggtgc gttcgcgcaa gccccgttt caagatcccg 720
 ccgcacgttc tgaaatacct tagccgtact ttcgatgctt ggtataccgc tactgcgtag 780
 ttggaggaat cggccatcaa cccaatcatt gacacgccga cagtccgtga gagtaatctc 840
 gacgcgctgg 850

<210> 20621
 <211> 514
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20621
 atgtcgacat ccgcacgccg ccgtctcatg cgtgacttca aggtacgtac tttcgcatca 60
 atcctagcgc cttcattgcc tgtgctctgt atctctttat attccctgcc tattctacac 120
 tctcgtccta atcaaatttc gcgctgttgg actctctcgg ctaatcggtt tcttcaacgc 180
 cagcgcatgc aaaccgatcc cccgcgagga gtctcagcat ccccggtggc cgataatgtg 240
 atgacctggt attttctcct gataattatt gtatcgagag gcttctaate aggtcgctag 300
 gaacgccggt attattggtc ccgccgatac cccgtttgag gatggcacat tcaggttggt 360
 catgcatttc gaggaacaat acccaaaca cgctccggc gtcaagttca tcagccagat 420
 gttccatccc aacgtctacg gcacaggaga gctctgtctc gatatacttc aaaaccgctg 480
 gagtcccact tatgatgtcg cagcgatcct cacc 514

<210> 20622
 <211> 507
 <212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 20622

atattgcctc gtgtcctacc ctccaatggt gcaaacactg gccgaatttt tcttccgtgg 60
tctcacagtt caagtattag ccggtacgct caacgcgttc ntcggtttat ctggacactt 120
ttcggcactg gtgtttcgat agctatcgca atccccgggt actcccattt tgaaacgggtg 180
ttggagaatt ttatgaactt catcgcgtae tggttgcca tttactctgc gatcgcaatc 240
atgggtcatt ttgtctttaa acgcggcttc tccggctatg tcgttgagaa cttcgataag 300
cgtgaaaagc ttccagtggg tatcgctgct accattgcat ttgggttcgg tgttgctggt 360
atgatcactg ggatgagcca accctggtat gtgggcccta tcgagaggca cgcagccggc 420
ggatgatgtg gattcgagtt gggctttgca tttgcggcgt tttcgtatct ttgtttgagg 480
ccttttgaga tcaagttttt tggcagg 507

<210> 20623

<211> 500

<212> DNA

<213> Aspergillus nidulans

<400> 20623

atctcagtct catgatacgt caattccgcc acggtacacg tccaagtcga accgccggcc 60
tgtcgtctcc tagaccacct cttccaccgc acaatgtcca gcagctcctc taccgcctta 120
tccagctcct caacgtccgc atcaccgcct aatcgaccgc ttgcgacatc accccttcta 180
catctcattc acggaccctt ttgcgactcc tattcaaccg tctgaggac gcccttgagc 240
actcagtgtc accagatacgc ccgaacgagt acatgattac agataatgac ccgcttggtta 300
atacgtatat cagtgtacca aaggagatga accagctgaa ctgtgccgcg tttgtcgcgg 360
ggatcattga ggggtgttgt gatggatgtg gggttgaggc gaaggttacg gcgcataatc 420
agccgacgga aatgtggccc agccggacta tcttcctatt acgttttggg gagagtgtca 480
tggagcgaga aaaggtgttg 500

<210> 20624

<211> 665

<212> DNA

<213> Aspergillus nidulans

<400> 20624

tctagccccc tactcccgtc atacatggta gatcagcggc caggattccc agcctttctc 60
caactcgggt cagctccctc caaggctcat gcgagacgca ggtccctcag aggctgatga 120
cgagctgatt cccaccgcgg tcgtgatcaa gagcatcccc ttgctgtga agaaggagca 180
gcttggtcag ctgatgaccg agttaaccct ccacctgccg tatgcattca actaccattt 240
cgtcaatggg gttttccgcg gacttgcgtt tgcaaatttc acatcggcgg aggaaactgc 300
gaccgtgatc gaggtttctca gccactttga attgcagggc cgcaagctga gggttgagta 360
taaggagatg cttcctctcc aggaacgcgg acgcattgaa cgcgagaagc gcgagcgtcg 420
cggtcagctt gaagaacagc accgtcccat ggccgcgtcg cagcttcaga cccaaagtgc 480
tatgtcgtcc ctcacctcac atattccggc ggcttccctt tctccggtct cccagcgtgg 540
ccagaagctc ggtgagttgg cgcaatgccg ttcacactta gacatcctta catagcttaa 600
ctatttagga gtcgatttga gcgattctca gactctctcc caccggttgc agcttcacat 660
gtttt 665

<210> 20625

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 20625

cttccgtccc tacgatcacg aggcgtgtgc agcacaggag atggggacgt tgtcccacct 60
atctcctaag ctccccttgc acatccgaca tctatctgcc atggaggcca tcccactcct 120
gcgcaaggcc cgtgccgagg gtgttcccat tacagccgga acctgctacc attacctctc 180
ccttgacgcc gaggagattc gtgatggcga caccggcac aaatgctgcc cgcccatccg 240
ttccaagtcc aaccaagacg ctctctgggc cgaacttgac cgccaacgcc aggatggcgt 300
catcaagacc attggctcgg accattcccc ttgcacacca gacctcaagc ttctcccctc 360
ccatatcccg ggcaactgca gccatggctc gtcaaagcat gccaacacaa cacctgtcgt 420
taacgaaggc agcttccctc cgccttgggg cggcatctcc tccgtcggcc tgggcctgcc 480
catcctctgg accgaactct cccgccgcaa gggcctgact tcctcaccag acgacacaac 540
aaccaacaaa gctctccagg atatcgtcca tctttgctgc gccaacaccg cggcccagggt 600

tgggctgcat aaatccaagg gcgaccttgt ccccgatac gacgcggact tttgtgtctt 660
 tgacgacaca gcggagtggg aagttgagcc gagtaccatg ctcttccgta acaaagtctc 720
 gccgtaccag ggacggacga tgcgcgggat ggtccgggaa acgtggctgc gcggtgagaa 780
 gatcttcaac agggatgacg gattcactgt caaggcgctt tccgggtcac tgctcctgga 840
 gaaaagggtt 850

<210> 20626
 <211> 578
 <212> DNA
 <213> Aspergillus nidulans

<400> 20626

ctcgttgatt cgcaatcaca tatcgccgcc cattttcaag aaggcggact cggtatgagt 60
 ggtgcctccc tccagacgat cgggccatcc aacggggcga tacctggtcc tgcaggacat 120
 catgacgcga attatcgta ccaacgatgt ccacaaaggg ccgacacgag tcatcagtat 180
 cgaaaacact gctggcgga gtgtagtgcc tcttgctgag ctgcgccgga tccgcgagtg 240
 ggctgatcgc aaccgcgtcg cgggtccatat ggatggtgct cgattatggg aggccgtagc 300
 cacggggcgg ggcagcctgt ctgagtattg tacgctctgc gacttggctt ccctggactt 360
 tagcaggaat ctcggtgcgc ccatgggcgc aatggtgctt gggtaacccc agctcatagc 420
 ccggctgcgg cgaatacgca agagcattgg tggcgccctc aagcaatccg gtcctatcgc 480
 cgcagccgcg cagtttgctt ttatggagca gtttgggctg gggccctggg gaagtcaagg 540
 aaagctacgt gccgttcatt tgcttgcgaa gcaggtgg 578

<210> 20627
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 20627

gactggaaac tgtcaccaac aactgctggc acagcgctcg tcgctcagaa gcgccgcgcc 60
 ggccctatca atctgtacta ccagatccat ggccacggtc ctataaaact tgtggtgcgt 120
 gacgtgactg cctattgttg agatttaggg cgggactaac gtacctacca gttcatcatg 180
 ggctgatgg cgccacagc gactggaagc gccaaagtcaa gttcttcggc caccaccacg 240

ccgacaagta ctctgtgctg gtctttgaca accgcggcgt cggcaaatacc gacaagccga 300
tctcgtaacta ttcgacatca gagatggcac aagatgtcat cgacctctc acaagtatcg 360
gctggctcga tctctcgacg ccccatcac gagacatcaa cgtcgtcggc gcaagcatgg 420
gcggcatgat ctcccaggaa ctgcgatgc tcatccccga ccgactggcc agcttgacgc 480
tctgctgcac cgcaccacgg 500

<210> 20628
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20628

tagtatggga atggcgctaa acaacttagt tgttgggacg ctggggacgg ttgtgatgca 60
attaaatfff ctcgatgcgg cgctgtgtgc gctgtttggg aatgtgcttg gttgcgtagc 120
gattgggtat atgtgtacct gggggccgag gagtgggcat cgcacacttg tgaggctgat 180
ccattgtgat cttgaggaga tggaagctca caattgctag atcgtatcgc ggtttcttat 240
ggggttcaac cctagcaagg tgtgctgctt tctgaatgtg cttaccaaca ttggttatgg 300
aatgatgagc tcgacggtcg ggggccaaat tctgtctaag ctgtctggcg gcgctgtatc 360
agttgtggtc ggaatcatca ttgtagccct tgtgagtctg gtggtggcca ccttcgggat 420
gcatatattc cagtactatg agaggatatgc ccagccaata aaacacagag accaaccgtc 480
gctaatacaa gcagatacgc atgggtcccg cagttgatgg tcttctgtat cctactggga 540
tcgtccggtc cagagttcga tttcaatact gtctctatag ggtctgtaga agaagtcaac 600
gccaaaagac tggcgttctt ctctctttgc ctctctgccg caatgtcctg ggtgccagga 660
gctgccgact atcacgtata ttattcacct gataccggga cgtggaggat atgggtccctg 720
acgacggtag gagtaggctt agccatgact atcacgctcc ttctcgggtg tgggctggga 780
actggaattg ccacaaatcc ccgctggggc gccatttacg acgggacccc cggtagcgtg 840
gtgatcgcgg 850

<210> 20629
<211> 784
<212> DNA
<213> Aspergillus nidulans

<400> 20629

agccccagca gcccaagaac gagaagagga agacaaaccg gaagggggaa ggaagaaaaa 60
caaagaaacg gaaccagag ggggcgaacg aaagcgaagc gagaggggga aaagggaacg 120
aacggaaccg aggagaaaag aaaagaaaac aaggcatgga aggagaaagg ggaaagagaa 180
cgaaaaagga aaaagaaaaa caaccaccac acgcaaatg ggggaagaga caaggagaa 240
gtaaagaaac aggcgcaaga agggaaaatg aggggcagga gccaagaaag agggaaccag 300
ggaaaaatca aagctgacaa ggaaagcggc gagaacctga aaggaacaaa ggaaaggcgg 360
gaagcaaaga aaagagagag ggaaaggcgg caataagaaa gaaaaaccaa cagggaaaag 420
aaggggagcc agaaacggga cggaagcaag gaacgggacg agagaaaaaa ggggaaaaag 480
aaaaaggcgg agaagcggaa aaggaagaag agggaaacgg cagaaggag aaaaaaaga 540
gggcaggaaa acgaagaaac gaaggggaaa gagccaagaa ggaaggggaa gaaaccgaaa 600
gggggacagg caggacagaa cagagacgaa aagagaaggg aagagggagc ggagaggcgc 660
gaaccagaca agaaaaaaga cgacaaggga gacaaaaaag gacggaaaaa ggcagacagg 720
aagaaacggg ggggaaagaa aaggaaggcg agggaaaaag acgaaaaaag ggagaggaaa 780
gaaa 784

<210> 20630

<211> 528

<212> DNA

<213> *Aspergillus nidulans*

<400> 20630

tgttcgtcat tctcttagac caccgacgga atgtcgatca tgagaccgtt atcgactgcg 60
gccaatcttct attagatatg gtaattccgc aggggtgggg ggtcattaca gtttcagagg 120
ggtatggccc ggaagaaagg gtggagggtca tcgatgttaa atcacagcat ggtgaagata 180
agcgctggac catgcagaag tgggcggact attacgagag cactggcgat aaagtcgtcc 240
gaaatgtcat cagcctcgag gtatcacaaa gtaaaactagg caggctaata cgcggccga 300
agattgtgcg cgatctcgat ctccaggatg cggtttggcc tgaggagtta aaggccgttg 360
ggaacttcct caaagtgcaa ttctattgct tgatgtcagt agccgactgc tataccgact 420
ttcacattga ttttgagggt tcctctgtct actaccacat cctgaagggc aagaagacaa 480

ttttttttat acccccccaa gacaaacatc tgaagaagta tgaggagt 528

<210> 20631
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 20631

ctgaatttat tgttgacctg tgaagctatc cagaatcctt agcagacaag agctttgaca 60
atacaggctg tgagttaagc tcggcaaaac gaacgccatg ccatcgctaa tgcccgaacc 120
tcagtactcc tcgaagcccc cttcaatccc acacgcagac agaagaattc ggttctcctc 180
acaattgacc taaccaaggc cgttgccgac gaagcaatcg ctcgcaaaga ctctgtcggt 240
gtagcatatc gtacgcaatc cgtgaacaat ggctataaca cagaccaagc tcaccaatct 300
atcgttcaga tcccattatc ttccgcgggc tcaaatccct cactttcaat gacccccaac 360
aacagtcact cctccgcctc gccgcggagg gcataagcgt ctattctccg cacacggccg 420
ttgacgcaac ccctgggtgg atgggcgact ggctctgcga cgttgtcacg ggcgcaacca 480
ctccatcctc gtcgtcctcc 500

<210> 20632
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20632

ttgtggtttg tatcatttcg gacgggcgaa agaagggtga tccccggacg ttgaatgctc 60
tggtctgcgt ggggtgtgtac caagagggca ttgcaaagaa cgtcgtcaac cagaaacagg 120
tcaatgcca cgtttatgag tataccacac aagtgtcgct cgactccgac ctcaagttca 180
agggggctga gaaaggatc gtgccttgcc aggttatctt ctgtctgaag gagcacaatc 240
agaaaaagct aaactcgcat cgttggttct tcaacgcttt tggccgcgt ttgcaacctc 300
acatttgcat cctccttgac gtcggtaccc ggccggagcc caccgactg taccatctat 360
ggaaagcgtt cgatcaggat tccaatgttg ctggtgcagc cggtgaaatc aaggccagta 420
aaggcaagaa tatgctaggt cttctgaatc cgctcgtcgc gagtcagaac tttgaatata 480
agatgtcaaa catcctcgac aagccattgg agtctgtgtt tgggtatatc actgtgttgc 540

cggggtgcgct tagtgcatat cgattcttcg cattgcaaaa tgacgccgaa ggtaacggtc 600
ctctgaacca gtatttcaag ggagagacgc tgcattgtaa ggatgcagat gtgttcactg 660
ccaatatgta cctggcggag gatcgtattc tctgttgga gctggttgct aagcgggagg 720
aaagatgggt cttacgattc gtcaagagtg ctgttgaga gactgatgtt cctgggtacgt 780
accttgacag gcactggaaa taaccacta atggatgaca gattccattc ccgaattcat 840
atctcagcgt 850

<210> 20633
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20633

agctctctga cattgagatt ctgagccaca acaccaagag gctgcgcttc gaatttcccg 60
acaaggaggc tgtctccggt ctccacatcg cctgtgagtt ctccgagcgc acgtattatg 120
gctagatgaa cttacagcac tatccagctg ctcttttgac caagtattct cccccgatg 180
gctcgaatcc agatatccgc cctacactcc cactagcgat gaaggtagc tactgatata 240
ccactcgtct ggcgctggcg tcatttgcta actgaccatt acagatcagc ccggttacct 300
cgagcttggt gtcaaacgct accctaacgg cccgatgtct gagcatctgc acaacatgaa 360
tgtcgaccag cgtctggact tcaagggacc tcttcccaa taccctggg aagccaacaa 420
gcataagcac atctgcttgg tcgctgggtg aactggaatc accccaatgt accagctagc 480
tcgagagatc ttcaagaacc ccgaggacaa gaccaaggtc actctcgtct ttggaaacgt 540
cagtgaggaa gacatcctcc tgaagaggga gtctgaggac ttggagaaca cataccccca 600
gcgattccgc gcattctacg ttcttgacaa ccctcccgag ggctggaccg gcggcaaggg 660
ctacatcacc aaggagcttc tgaagactgt cctcccgag ccgaaggagg agaacatcaa 720
gatttttgtc tgcggtcctc ctggcatgta caaggccatc agcgggcccc aggtcagccc 780
taaggaccag ggcgagctta ccggtatcct gaaggagctg gggttacagca aggaccaggt 840
ctacaagttc 850

<210> 20634
<211> 850

<212> DNA
<213> Aspergillus nidulans

<400> 20634

ccacgccatc ccgctcagat catcgtgggt catgacctgc gcttatgctc ctagtggaaa 60
ctatgtcgcc tgcggtgggc tggacaacat ttgctccatt tacaatcttt cctcacgaga 120
gggcccgaact cgtgtcgcgc gcgaactctc cggtcattcc ggctacctct cctgctgccc 180
tttcatcaat gaccgtcgaa tcatcacctc ttccggcgac atgacctgca tgctctggga 240
tatcgagtca ggctctaaag tcaccgaatt cgcagaccac ctccggcgatg tcatgtcaat 300
cagcatcaac cccactaacc agaacatctt cgtctccggt gcctgtgatg cttttgctaa 360
gctctgggat atccgtactg gaaaggcagt ccaaactttt gctggtcatg aatctgacat 420
taacgccatc caattcttcc ctgacggcaa cgctttcgga accggttccg acgataccac 480
ttgccgtctc ttgcacattc gtgcagacag atcactcaac acctaccagg tgagaccagg 540
ttgccacact cattgtagga cagtattgtt aacaaatgcc acagagcgat caaatactgt 600
gcggtatcac atccgtcgggt ttctcgggtt ccggaagatt gcttttcgcc ggatatgatg 660
atthttgaatg caaggatatg tctgttctcg acgcctgtga ttctggagac ggtgactgac 720
cgatgaatag gtctgggatg ttctccgggg agacaagggtg gggctctttaa gcggccacga 780
gaaccgtgtc agctgccttg gtgtcagcaa tgatggcatc agtctttgca ctggatcttg 840
ggactctttg 850

<210> 20635
<211> 755
<212> DNA
<213> Aspergillus nidulans

<400> 20635

gcagacaagg agcgccctct tgcggggggcg gttctgtgtt ttacgtccat tgtgccagag 60
cagcgggtga gtttacacct cattccagca atthtgaagat agacgctgac aatctaaaac 120
gcctacagac tgaactagcc tctatcgcaa gccagatggg cgcgagccac aattatgacc 180
tcacctccga cgtcactcat ttaatagtcg gtgaaatcag cacggaaaaa tacaagthtg 240
ttgcgcgcga gcgatcagac atcgtgggtgc ttcgaccaga atggatagaa gccgtacggc 300
agtctthgat gcagggtgggt gacacagaca tacgtgctct ggaagagcaa tataggtthg 360

cgacgttttc agggaccgca atctgcatca caggattcga agacagtgag taagcagagc 420
 tgtacaagat ccgacttata gtgaccagcc tccttcgtag tgaacctccg aaactacatc 480
 cgcaacaagg cccaactcaa tgggtgcagat ttcaggaaag atctcacaaa gcaggtgacg 540
 caccttattg cgcgaactgc gggaggggaa aaatacaagt acgcgacgca gtggaatgtc 600
 aaggtgggta ctctcaaagt gttcactgat agtatggaac gcggaatgat actcgaagaa 660
 accttgtagc atcctctttt accagaagag caacagggca tcggggcatg gaaacgctca 720
 ttacctgcag tcaaaccaaa accacaagaa acaga 755

<210> 20636
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20636
 taaatactcg attcgctatt cacaacacta aaaccaggt taacaaactt cttcatcgca 60
 gccgaccagc tcctcggaat ccctggcgcg ccctcgcgca acgcccagct ctccatcacc 120
 gaccctaaag tttgccgctc gtacctcgtc ggaacctgtc cgcacgatct attcaciaac 180
 acaaagcagg atcttgccc ctgtccgaag gtgcacagtg aaggactgaa gacggaatac 240
 gagacagctt ccgcggcgga caaggcgaaa tgggggttcg aatatgacta tatgcgcat 300
 atgcagaagt atattgatga ctgtgaccga cgaattgagt ctgccagcg acggctggag 360
 aagacgccgg atgagatccg gcagacgaat aatctgttac gggccacgga acgcacgcct 420
 tgaactgtgt tagggactga aatatgctaa tgctttaact acaatagctc aaacaaatat 480
 ctgaccttac gcaaaccatt aacaccggcc ttctcgaggt ctcggtcctt ggcgaaaccg 540
 gctccgtcgc gcaagctctc aatgaattac acaagattcg caccgcaaag catcagaagg 600
 aaacatgtga acgcgaactc aagaacttgc aagatacatc cggcccatca ggtcaccaga 660
 aactccaagt atgcgatgtc tgcggcgcgat acctgagtcg tcttgacaac gaccgtcgtc 720
 tggcggatca cttcttcgga aaaatgcaca tgggttattc tgatatgcgc aagggatgga 780
 agaagctaca tgaggagctt aagggtcgac cgccgcccat gagacaccat gatgaggacg 840
 atggtggtgg 850

<210> 20637
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20637

```

caagcctatt ggtttcacga ctcccttact cacaacctca tcaggtgaga agttcgga   60
gtccgctggt aacgcaatct ggttggacaa ggatatgact tctacctttg aattatacca 120
ggtaggttca gcacatcttg caaagattag catcttatta acataaatag tttttcgttc 180
gcactcctga tgatgctggt gagcgggtatc tcaagatggt caccttcttg cctataacctg 240
aaatctcaaa gattatggaa gagcaaaacc aagatccgtc aagacgggta gcccaacatg 300
ctcttgctta tgaatttggt gaactcattc atggcaaaga tgaggcggat gcagtgtcta 360
tgcaacaccg ccaattgttc agaccacgaa cttcaactgc agaaccaacg ccccgccctc 420
gtactgcatc acccggaat cccaaatctt cattgtctgg ttttgtcaat ccgcagtctg 480
ggaatccaca cgcacctcaa acaaactttg ccaatatgcc gtctgcgcgg gtaactctcc 540
ctaaatccct tgtctacgac aagacgttca gcaaggttct ttgggtccgcc ggtcttgtgg 600
cgctcaagag tgagggtcaa cgaattatca ataataacgg tgcctatgtg ggaagtcgtc 660
caggggtcaa gaagaacgag cctgggtggg gaatgccaga tgacttaacc tttacgcca 720
ttaagacttg gaatgcctca aaaacacagg agtttatcat cgatggcgac ctgctcatct 780
taaggtagga aaatggaaca tgaaagctgg gagtattagc agccgatgag aagtcaaaga 840
gctggtctca                                     850
  
```

<210> 20638
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20638

```

cgcgctgcga ataatggtca cgtagtcgat cttttcgctg gctgcctcga ccaagttggt   60
cttctggaaa tgaagaacct cgctaattac actggaggtc atattcttct tactgacagc 120
ttcacctcat cacaattcaa gcagtctttt atccgctgtg tcgataaaga tgcaaacgat 180
aaccttctta tgggtttcaa tgcattcttc gaagttttga ccacgaagga gcttaaggtc 240
accggcctca ttggccatgc tgtttctctt aacaagaagt ccagctccgt gggtagagaca 300
  
```

gaatgcggta tcggcaacac ctgtgcctgg aagatgtgcg gtatcgatcc ttcttcgagc 360
 tatggtatatt atttcgaaat cgcgaaccag ggtggctcctg cagccgtaca accagggcct 420
 caaaggggga tgatgcagtt cttaacctac taccagcact cttccggaca cttccacctt 480
 cgagtcacaa ccgttgacag aaacctgagt ggtcctgcag gtgatccac tcttgacag 540
 tctttcgacc aggaggccgc cgcgggtgctc atggctcgta tcggagtctt caaggccgag 600
 gttgacgatg gtccggatgt cctcagatgg gtagatagga tgctcattcg actttgctcg 660
 cgctttgccg actaccgtaa ggatgaccct acgtctttcc gacttgagaa gaacttcaca 720
 ctctatcctc aattcatgtt ccatctccgc cgaagtcagt tcttgacagg cttcaataac 780
 tctcccgacg agactgcttt ctatcgccat gtgctcaatc acgaagatgt cggcgactct 840
 cttattatga 850

<210> 20639
 <211> 614
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20639
 caaatcggca agttgcgacc atcccgatct attcttaaga agcatgccga gggcgggcaa 60
 aacgtttctcg tttgctgcat ctgtgatgaa ccggcggagg aagcgatccg atcacggtgc 120
 cgatcatgact tttgtcggcg ctgtgtcaaa gattatatcc ggtcatttga tgcagggtgcc 180
 gtagttgact gcccgcgatg ccatataccc ctctcgattg acctcgacca gccggatctt 240
 gaacaacatg aagattatat caaaaagaac tccatcgta acaggatacg aatggaggat 300
 tggacttcgt cgacaaaaat agaaatgctt gtctacgagc tctacaaact acgcagcaag 360
 aagcagacgc tcaagtccat cgttttttca cagttcacct cgatgttgca actcgtggaa 420
 tggcgctgc gtagagctgg ctttaataca gtcatgcttg atggaaccat gtcacctgca 480
 cagcgccaga agtcgatcga ttatttcatg aataatgtta atgtcgagg gttcctcgta 540
 tcgctcaagg caggcggcgt agccttgaac ctgacggagg cgtcaagggt tttcatcgta 600
 gatccgtaag tgta 614

<210> 20640
 <211> 850

<212> DNA
<213> Aspergillus nidulans

<400> 20640

gacacccag agttacaagt tgatggtgtt tcagcggcgg aacaagctac cacagccaac 60
aaagaggaac tcgctcggaa actacgccgt gtcgcttcgg ctccgaacgc ccagggcttg 120
tttactgcta ccgattcaga tggccgaccc cagactgcag agctgggtaa ggaacctctg 180
gtgcactcgg gagctgcagg ctcccctgtc ggtctggttg aggtgagctc aaacacagac 240
caggatggaa atcttaccgt tccgcaacct ggctccggca agcttctctgc tgtcactcaa 300
gttcgaactt ctagcgggtgg tttccgtcga acatacagct ccaactcgat caaagtacga 360
aatgtggaag tcggacccgc tagctttgac aagatcaagc tcatccgcaa aggcgatgtc 420
ggcaaagttt atcttggttag ggaaaagaag tcgacacgct tatatgccat gaagggtaag 480
tttatgcagt ccttggtgaga gcgagctgga ctgacagtgc gtagttctca gtaagaagga 540
gatgattaag cggaacaaga tcaaactgtc attggcagaa caagaaattc tcgccaccag 600
taatcatccc ttcatgttta ccttatatca ctcttccag tcagaggact atctttacct 660
ttgtatggaa tactgcagcg gcggggagtt ctccgaggt atgatcatgc cgcgagcttg 720
gtgctacgtg cttgctgatg tcaacttcgta ctcatagctc tccaacccg gcccgaaaa 780
tgtatttctg aagaagctgc acgattttat gcagacgagg tcaactgccgc ccttgagtat 840
cgccattgct 850

<210> 20641
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20641

tggttgctcc ctatgggtcc accttggttag agaagttctt cgagcacatc caccgcacct 60
tccaattct gatggaagat gtcttcgcc agtcgtacag aaccaggaat ggcatctctc 120
cacttttact ttctgctgtc tacgtcctgg ccctcaagtt tgttgacatc ggaccagcct 180
cgcagtcgcg cggcggcccg acgccactcg tcttgaggcc actgctttga ggctttctaa 240
tgaatctcta ccatatgcat caatatcgac gatccaagcg gggctgttac tcatgcaaaa 300
gtcgacgttg gcaaccgctg ctttgaacgc gcaattggtc accgctgggt ttgagctcgg 360

gcttcaccag gattgctccg actggcggat ggaaacctgg gagaagggcc tgagaaagcg 420
tctcgctgg gcactttaca tgcaggacaa atggtccgca atggtgcacg gccggccatc 480
acatgtcgtt tctccaact ggactgtgca ggatctcgtg gaagaagatt ttactgacgc 540
gttcgcctcg accgcatccc agccggaaga cgccccttgt aggccacggg ccgcttttct 600
tctgtcatct agtggccctg accaccattc tctccgatat ctaggaccgc ttattacccc 660
cttcagtcaa tacaagtatt tacagccgcg ggacgaacc gaaccgctct catcctagaa 720
cgcgccaaac cggcccaaat ccgtctcaag gaatggttcg cgcgtctaca agcaaccctc 780
accctaggct cttccaccgt cctcattagg acatccggaa aaaatgccag caacggcgcc 840
ctgcacctct 850

<210> 20642
<211> 850
<212> DNA
<213> *Aspergillus nidulans*
<223> unsure at all n locations
<400> 20642

ggagagatca aatccgcgct tgggtttgtc gacctggtga tgaccacatt tggattagga 60
ccctatcgac tctgtctgtc tacgaggccc gaaaaggatt tcatcggcga tctccagctg 120
tgggacagtg cggaagctca tctgcgcgaa gctctagacc agaccgggaa aaactgggcg 180
ataaacgaag gtgacggcgc tttttacggg cccaagatcg atatacagct tcaggaccag 240
gctggcaagt accatcagtt gtctactatt caactggaca tgaacctgcc acggcgcttt 300
gaattggagt accaagttgc agagggagag'gaagactaca atccagcgac gcctggaagg 360
gcaacgnccc gtcttgatcc accgggcgaa ttttgatct cttgagcgct tccatgccct 420
gctcattgag caatactcgg gccgctggcc gttttggcta tcaccgcggc agggcatcat 480
attaaccgtg aaccaggacg acgctgttgt gaagcaggcg catgaagcag cagcgcaaat 540
ctcaggattt aaggctcttg atcagaatgc ggccgatgga atacctcagc ctctgtcagc 600
gacggactct acatttttga tcgatgtcga tacgagcagt cagacactaa gcaaaaagat 660
ccagcggggcg aagcagatga aatacaacct catcttcatt ctcggtccca aggatcttgc 720
ggagggccgg atcagcgctg atattacggg ccagatgaat agcaaacctg accataatgc 780

cgagaagctg caggcagtc tgaccaacg cgtgggaaag gaagcgttgc gaaaaccacg 840
ggcgattccg 850

<210> 20643
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20643

ttgtttctct tgaggccgctc cgccttcttt cgaaaatgat gaaagccagg gactttaaaa 60
tccacggcag cgtcctggat acattccttc acctccgact gctccgcgaa ttctcttcaa 120
agggttcaag agaccgagta gaccgcgaca atgaggaaga aacttctggt ggcaagaaaa 180
tgaaacaaaa gaaagaatgg cgcaccaagc gaaaccgcaa gctcgaaaag gagctctcag 240
gccgtgaaaa aagacatgaa agaagctgac gcgctcgtct cgcacgaggg ccgcgacaaa 300
aaccaagctg agactctcaa gctcgtcttt ggcatctact tccgcatcct gaaactccgc 360
gtcccc tcatgggtcc tgttctcgaa ggtctcgcca agtacgccc catgatcaac 420
tgacttctc ttggagatct cctggaagcc ctcaaggatc tcatcggaca tgcgaggac 480
gacgagctca acggaaga cgataacgaa gatgatgaac acatcaactc cgcatttcg 540
acaactcgcg actccaccgc cgaatccctc ctctgcaccg ttacagcctt cgtctctc 600
gaaggccaag acgccagcaa agctttgcacc tcgacctcag cttcttcatt 660
aaacacctct accgctccct gtacactctc tccacaaatc ccgacgtcga attcaacccc 720
ctccctcgac cttcttctct cgcaacaaca gcaacagaaac 780
gcgcaagacc gcaagaaaaa agtaaatttc caaacgccc tgcctcctct cctccgctgc 840
ctcaatgcct 850

<210> 20644
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20644

ttcaggacgg ccagccagag atatcatcga tgaagagga gtcagcatgg aggagttcaa 60
ggcgacgttt gagaaagga atgaatttgc aagtggcata ggtaaaattc cttatttcta 120

tccgtgttct ggctctcgca attgctgaca ctgaccaacg tcatatacag cggtaaatta 180
 tgatgccagt ctgcttggtg caaagggcag caagatcgca gaatcaaag atgaatacaa 240
 atgccgggtt accagcaaac cacagctggc cacaaaaatc gacgttggca aacggatgcc 300
 cagcttcaaa gtgctgaacc aggctgacgc acgcccgtgg catctgcaag agtcctgaa 360
 gagcaatggg cgctggcgag tgattgtttt ccccgacga ctcacagatc ctcgcaacat 420
 gcagcgcttc caacagctcg gccagaaact gggagacca gactcattca ttcgacaata 480
 tacgccacca ggccagccaa ttgacagcat gatagagggt ctgacagtcc acgctggacc 540
 cgggactgag attgaacttt tggttctccc cggagcgttt catcccatc atggcgacat 600
 gggctgggac tattggaaag tgtatgtgga tgatgattct tatcatgagg gccatgggca 660
 agcatatgca aattacggca tcgaccccag caacggggct agtgtgatca ttcgtcctga 720
 ccagtatgtt agttgggtgg gagatatgga cgactacgag gagatggcgc ggttcttctc 780
 ggccttcattg aaacagcagg tcgccgaaa gcctggagct gccaatgtcc gagtaccgtt 840
 tatgactacg 850

<210> 20645
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20645
 gattacgggc tttggcgaaa ctatgtggct taagacctga tcagtgactg gctctttacc 60
 acctacgtcc ttgtcactga tacgaatata ggatcgatct acaccccag ctttgaagaa 120
 gcttttcgaa aagctgtcgt cgagattact ccttccccac gcctccttat ttataatgct 180
 cccccggag aagtttccaa gtcccgacag acgaaggccg atattgagga ttggatgttg 240
 agtcagaacc ctccatgtgg ccgcgatacc gttgtaattg cattgggtgg aggagtcac 300
 ggagatctga caggattcgt cgcttccacc tacatgcgcg gtgtccgtta tgtgcagggt 360
 cccactactc ttctggccat ggtagattca tcgatcggcg ggaaaactgc catcgacact 420
 ccgctgggta agaacctgat cggcgcaatc tggcaaccga cgaaaatcta cattgacctt 480
 gagttcttgg agacgtgcc ggtgagagag ttcacatg gtaggcaga ggtcatcaag 540
 acggcagcaa tctctagcga agaagagttt acagctttag aagagaacgc ggagacaatc 600

ttgaaggcgg tccgtcgcga ggtcaggcca ggagaacatc ggtttgaggg catagaagag 660
 attctgaagg cccgaattct ggcatctgcg cggcacaagg cgtatgttgt ctgagcagac 720
 gaacgtgagg ggggtctccg gaaccttttg aactggggtc actctattgg ccatgcattg 780
 aagccattct gacgccgcaa attctccacg gagagtgtgt cgcaatcggc atggtgaagg 840
 aagcagaact 850

<210> 20646
 <211> 553
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20646

tgatacaacc tcgaaggccc ggccgttcga gtacctccgt cttacttcgc taggagtaat 60
 cgggtgcgctt gttaaaaacg actcttcaga cgtcatcaac ttctctctca cgactgaaat 120
 aattccgctc tgtcttcgga tcatggaaac cggctccgag ctgagcaaaa cagtggccat 180
 cttcattgtt caaaagatac tgctggatga catcggccta gcgtacattt gcgcgacctt 240
 tgagagggtc tacgcggtgg gaacagttct gagcaacatg gttactcagt tgggtgagca 300
 gcgagaccgtg agacttctca agcatgttgt gcgctgcttc cttcggtatg ttcaatccgc 360
 ttcgtaatat gaactgcttt ctaaccctga taggctgagc gataatagcc gtgctcgcga 420
 ggccttgccg caatgtctgc ctgagccttt acgtgacgcc accttttcct cggtoctccg 480
 cgacgacgca gcaacgaagc ggtgtctcgc ccaacttctc atcaacctct ccgataacgt 540
 gtccgacggc gca 553

<210> 20647
 <211> 322
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20647

gtctaccgag tccttcacaa ctccggaaaa ggtctttgca ccagttgtag cgttgtagcc 60
 attcaaacca gaagaatagg tgctcgccaa gccaaactat tgtgacgtcg ggtagccag 120
 ttatgtcatt acggagtcga tgccgcgcac gtggaggggt gcggagagcc tgcaggttgg 180
 tatggttggg attaacatgg gcacgtgag tgccgctgag agtccgtttg gaggcgtcaa 240

agaatctggc tacggacggg aaggcggacg ccagggtatt gaggaatata tgacagtcaa 300
gagtatcttg atgaatgtcg cg 322

<210> 20648
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20648

tcctaacgac caccatcgaa agcgaatcct tcgatactct ccgccccatc ttcgtaaate 60
cccacgcgag ccacttgcc atagtccgcc catccaccat cgaagctgtc agtgccacag 120
tctccttcct agcgtcgaac aagattccct ttaccgttcg cgtcgggtgga catgatttgc 180
acggccggag tgtagaggat ggcggcgtag tgctggatct acgactactc aaccaagtcg 240
tcatcgacaa gagcggcagt gaggtctgtt gtggaaagac agcaacagca agaatcggcg 300
gcgggggtcct catcggcgac ctgctttctg ctctggaacc gcacggcctc gtcactcccg 360
tcggcaccgt ctcaggtgtt ggctatctag gctgggctat gcatggcggg tacggggccat 420
atagctctgg gtttggggtg ggcattgac agatcgtcgc tgcaaaagtt gtggatgcc 480
ctggacgtgt cgttgacgcg gacgggaaat tgctgaaggc tattaagga gctggagggtg 540
cattcggggg tgttgttgag gctgtggttc gagtgtatga gctggactcg gtatgtcctg 600
catttgagaa ccaccagctt gccaccggg gtggccatca agtgggtgtat ggtgctaagt 660
attgtttact agattctcgc cggcacactc atcttcaact cgcaagacct tgccactacg 720
atccgcactt tcaacaaagc ctacaaagcc ctagcgtca ccgagtccat tccgtcagca 780
ctaaacattt tctcctgcat cctctccagc cctcaaagc cggcaccaat cttcatcctg 840
ctggtaaact 850

<210> 20649
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20649

tgaaacgcgc agacgtctgg ggtttggcgc atgcgatcaa cgggttcac ttcctgtctg 60
tgatcagctg cggcgtgacg agcgtctatg tcgcaagccg gagcctcac gctctggccg 120

atctgggcct tgtccatagg accctgggga agaaggacgc tactggacgg ccgtgggtcg 180
 cgatcgccgt cagcctggcc atcggcggtg gtcttcgcta tttgaacgtc gacggcactg 240
 gcagtatcgt ctatgatggc tctcatcttt ggtagccctt cctctcacca ggtctctttc 300
 atgtttccct tccccgtttt cctcgtttcc tggttaccgt gcgaacacga tgtaggtcgc 360
 gattgtaacc ctctttcaat gggcgctctat ctacatcgca cacctccggt tccggactgg 420
 tctgcttgcc caaggaagga acctcgctga tctccccttg aagggttgc ttacgccta 480
 cgcgcagtgc ttcagtctgc tgattgtgct gttcatcttc ggatgogagt tctacctcgc 540
 ctgtttcccg tttggggaga aggggtccgc caagagcttc ttctcgacgt acctagcggc 600
 gccgctgttc ttcttcgact atggtgtcta caagtgaga gagtctacct atccccataa 660
 gccgtgagcc tggaaggccg ctgactggtc ctgcagtggg ggttcaagac gaggattgtc 720
 aagccgagcg agatggactt ctgggccgcg gtagtctttg ataatatgga gcaagcagat 780
 agaatcgctc tggaagagaa ggcaaagcat ggcaaaaaat cgtggctcaa aagagtgcaa 840
 tatatggtat 850

<210> 20650
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20650
 cgtacaaggc atggaggaga catacatcga ttccgcgact gcaggtatca aactttctcca 60
 gcaaggtagc cataagcgtc aagttgctgc gaccaagtgc aacgacctga gttcacgaag 120
 tcataccgtg ttcaccatca cggatgaatat caagcggact acagagtctg gggaggaata 180
 cgtgtgccct ggcaagctaa acctggtcga tctggctggg agcgagaaca ttgggcggag 240
 cgggtgcagaa aataagcgtg caactgaggc tggcttaatt aacaagagtc tgcttaccct 300
 tggccgcgtg atcaatgcc tcgtcgacaa gagccaacac attccctata ggtacattct 360
 ttaccgtcgt ttgaatacat gacgctaact agctactaga gaatctaagc tcacgcgctt 420
 acttcaagat tccctcggcg gacgaaccaa gacatgcac atagctacaa tctcgctgc 480
 tagaagcaat ctagaggaga caatttcaac gctggactat gctttcagag ccaagaatat 540
 ccgcaacaag ccgcaaataa actctaccat gcctaaaatg acgcttctcc gtgaattcac 600

tgccgaaatt gagaaactaa aggcggagtt gatcgcgacc agacatcgta acggagtgtg 660
catgtcagtg gaatcttatg aggaaatgaa gatggaaaac gagtcacgaa ggattatcag 720
tgaggagcaa cgggccaaaa tcgagtcgat ggagtctagc cttcgccata aggtccaaaa 780
gaaactcact ttgacgagca agttcagcga cctgaagaag ggcaccgtcg tcacttgcca 840
cgatttatgc 850

<210> 20651
<211> 850
<212> DNA
<213> Aspergillus nidulans
<400> 20651

tgctgtcctg actgagactc ttttcatggc tcttatagca atcatatcga tctgtttat 60
gataacactc gccctccgtg cgcgcgacgc gacccttcat gtcctcggcc agaaataactg 120
ggtcagcgcg cacaactacc aagtcacact cgactgtgtt ggcaattcat cttacagcaa 180
ctccccctcc acagtcctcc tcgaggctgg cgaaggcccc gtcgagcaca ctctacaacc 240
ctttatcaac gagctctatc aaaagggcgc catcccacgc tactgctact gggacagacc 300
gggtatggct tggccgaca acgcaccatc tcccttctct gcaggatatgg cctccgacgc 360
actctccgaa gcgctggccc tggccggtga agagggccct ttcgttctcc tctctgcagg 420
cataggaagc atatacagcc gtatctttgc aagccgccac ctccctgaaa ccaagggcat 480
ttttctcatt gacccttgc acgaagacta cctctccgat attgccagcc caggccgcgg 540
tttttggtc tggatccgtg gtattttatc acccgttggg tctttgatcg aattgcgggc 600
gcgattttca ggccccgacc cgtgaagaag ggtgtttggt cagagcgctt tcatacggga 660
aaattattct gaaaattcc ggggaatctt ttgcgggttc atgcaccttt cgaatttcgg 720
cttcagcttt tcaattgca tactccctaa ctctcatgcc tctcatttgc tctatcccac 780
atcggcta at tctcgta ttc tctctctct aaaatcacia tcgacttctc tatctcccct 840
tggggggggtt 850

<210> 20652
<211> 516
<212> DNA
<213> Aspergillus nidulans

<400> 20652

gagaaagccc tactcagctg caaatcctga ctgctgtcgt gaagctgttc ctgatcgccc 60
tgataaggct caagggctag tgcagaaagt tcttcaggcg gcaacggcgg agaacgacaa 120
ccccgatgtc cgtgaccgag cctatgtcta ctggcgctta ttatcaaata ccagtgaccc 180
agatgctgct aggaacattg tgctctccaa aaagcctcca attggtacca ctatccattc 240
ccttcctcct gctcttctcg agcaacttct tactgagctt tccacattgg cttctgttta 300
ccacatgcct cccgagcagt tcgttggcca gggccgtttt ggtgcgagcg ctgttcagaa 360
ggctgccatt gagtacgtct acgtatgcct ctactgtag tatgtatgct aatgcaccta 420
tctaggaac aactccagaa tgcgcgcgaa aaccgctgg ctgctgccgc ggcggcggca 480
gttgatggca cggccgctcc gcagcagcag aacaat 516

<210> 20653

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 20653

atgcaacagc tgtctataca ggcttctctg taacatgaaa ttagaattcg gtgactgtaa 60
gtatccaagc gcttaagccg actggcaaac tcaaactcat attggcagca acggacatcg 120
aaaaacccat gacagtcaac caagacggac aagaggtaac cgaatggctc gaagtcggaa 180
acggctgcat ctgctgttca gtgaagtaag tttccatatt tgtccctaga cgaatacgca 240
gtggtgttta catcagggtg cagagactcc ggggtaatgg ccatcgagtc tctcatggaa 300
cgccgcggta cattcgacta cattctgctc gaaaccacag gtctggcaga ccccggaat 360
attgctccga tcttctgggt agacgacaac ctcggcagct ccatctacct cgacggaatt 420
gtcactctcg tcgacgctaa gaacatcctc cacctgcttg acgaacctac gccggaggaa 480
acagtggccg tggagaacag caaagacggt tctgatcacg accacgatca cgctcactct 540
ggaccagtcc tgtccatggc acatatgcag atctcccacg cggacgtgat catccttaat 600
aagacggacc ttgtcacagc ggaagagcta gagcatgtcc gggacagagt aacagccata 660
aacagcgccg ccaagatcca tgtcacagat catagccgca cgcctcagat cgagggtgta 720
gtcctggatc tacatgcgta cgatcatctc gatagtctgg atttcagcca gaagggccac 780

agtcataattg atccggtacg tccatccagt aacatgatac acacaagaga ctaatatata 840
caataagtct 850

<210> 20654
<211> 831
<212> DNA
<213> Aspergillus nidulans

<400> 20654
cagagtgatc tagcgacatc ccgctcaccg ggggttgtct ggcgcccacg aacacgatca 60
tccccaaagg atgtttcctg aacccgtcct cggggccggc agtctgcgca ggaaacaccc 120
aaacctccca gcgcgtggtg gatgttatcc tccgcgcttt ccgtgcagcc gctgcttcaa 180
acgggtgcat gaactgtctc ggattttttg gaggggatag cgacggcacc gaaccgggct 240
cgaaactgga aggtttttcg tacgttttcg gcgagacgat ctgtggcggg tctggcgcca 300
caagcacgca gaatggcgct tctggcgtgc actgtcatat gaccaacact cgcatacagg 360
acccggagag cctcgagaaa cgataccccc tcattctgcg ggaatttgcc atccggcgctg 420
ggactggtgg gaaggggatg catgatggtg gggacggggg ggtccgcgac atcgagtgcc 480
gggcaccgct gagcttcagc gtcattactg agcggcgagc tgtgcctccg tatgggatgg 540
aagggggcgc cgagggagaa cgaggtgcga actactgtgt gaagagagtc aatgggggcg 600
aggggaacag ggctgaagct gcggatcagt ggcgatgggt gaatatgggg gcaaagaata 660
tggcgcgcat gcatcctggg gatcgggtgt cgatccatac acctggtgtg gaggtgtgga 720
gtgccagagc tttctaattg aaatagcatg gaagatgtac cttgagtgcg ataactgcat 780
cccagggcat catgcagtgt gattgcctat gctgatgtac aggaagcgtc t 831

<210> 20655
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20655
acaccagccc ggctggtata taactttgat gaatatggct tccagcctgg caaaggaaaa 60
tcaaggaaag tgattagttc aaaaggact cctaattttg ctgaatctga gaagggtgag 120
aatattacag ctattaaata catagctgca gatagctggg taatagacct attctttatc 180

tttaaaggcg acggcatctt catggaatct tggtttggtgta agagtgagggc tttattacta 240
 tatatggtaa tagctacttc acctaatagc tggatttcag ataaactagc ctttcaatgg 300
 cttcaatatt ttattgagggc aacaaataag catacaaaaa ggggagagaa acagattctt 360
 atatttgata gtcattggctt ataccttacc attaaattct tgcaaagatg caaagataat 420
 agcattatac cctttggatt ccttcctcat acaactcatc tttgtcagcc attggatggg 480
 aagctatttc taagttataa ataatacttt cacaaaatta gtaataatct atcttactgg 540
 gccggcgagc cagttaggaa atcagaattc ctataagtaa tcagtccggt acaggagaaa 600
 gcctttaacc aacaaattat ctgtagagcc ttcaaagatc atggcatctg gccagttgaa 660
 gtagaagtaa gatagtcgac aatcttacta tcctagcatg ggaacaaatc ccagatatct 720
 acatgcctga tttgtcaaca ccctctctgc caataacagc tatattatca tctagtatta 780
 atatcttgcc tccaaggaca attcagagcc ttgagaagaa ctaggcaaag atatataaac 840
 atgcagatct 850

<210> 20656
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20656

gcttctatct ttatactctc tctcttttgt gttgcgttgt acttctttta ttattacaca 60
 attcttattt tgtttttatc gttttcatat cttcttgctt cttttcgttg gaattagttt 120
 ttttttactt tttccttggt tttggttatg tatttcttat tttattttat ttttaattat 180
 tcttatatta ttttcttctt tccaatggta atgtctgac ttctcgacc tttttgctct 240
 tttttatttg cctattgtcc ttcttttggt tatgttttat cgggtgttatt ttttatatca 300
 tctttctctt tgtgcttaat ttaataattg gatctttttt tttttatttt atctcatttc 360
 atcctctcaa tttttattgt tattcttttc tattctttta tcatcatcat ttatacatta 420
 ttcttggtac tatttttata tttattttac tttattattt tgtcattttta tctatttaaa 480
 tattctttat tctttgtata tttcaacttt ctctattct ctctttatct tctctctcta 540
 tttattatct gttcatccac tttctctctt tcgtgttctc tctatgtctt tttctcattt 600
 caatcactat acctgtcttc aactttatct ctttcttatt caccttctct tctctatttt 660

ctaattctctt ttattattat ctatatattt tttctttaac gtaacttggt gttattattt 720
 ttcttcacct taatttcttt ttattttact tctctattta ctatatattt atttatctac 780
 aattatttat attatagttc tgtctattat ttctctactt atcctcttac ttcttcttcc 840
 ttcattactt 850

<210> 20657
 <211> 631
 <212> DNA
 <213> Aspergillus nidulans

<400> 20657
 ctgtaaaaaa tgagaatacg aatacgaggt ccctctgggc aatttgctat tacccttgct 60
 gaggacgcaa cagttggaga cctccgaaac acgatcattg agaagacagg attgactgcc 120
 tatgacgcga agtacggcta tccgccgaaa ccgatatcgt tggaacatgc agaaacagac 180
 cagaaacttg tcgagcttgg gattcaatta gaccgggagc agctcattat ctccgccaaa 240
 gatggaccac ctggaccatc aggaaagaag gaagacactt cctcttatgc cgggcaatca 300
 tctccgaaac tctctttatc acgcaaacia aatcccgttg ccgaggatac accaaaagtc 360
 ccctcgccgg agcatggtgg tctattcgtt ctacgtgtca tgcccgatga caactcgtgt 420
 ctgtttcgcg caataagcac tgcactcctg ccaggcgagg acaccatggt tgaacttcga 480
 tcggcggtgg cgaaacgacg agaacaaccc gacgagtact cctccgcagt ttgggagcag 540
 ccacggatga ctattgtcgt tggatcaaga atgagacatc gtgggggtggt gcaatcgaaa 600
 taagcatatt gagcaacatt ttgatgttga g 631

<210> 20658
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20658
 gtcgagtttg ttctgactgt acctctcacc aaaatacaga aagaggcata tgatatgtac 60
 gcagcgttta ttctacaagg acgaatggat gaggtcacac agacacagtt atggtcgtgg 120
 ctatctattc tgggattatg ctgcaatcac ccagcatgtt tccaggataa actagtcagt 180
 caggcccagg gttcctcaaa aaaaacgaat gataccagaa agacgagcga cgttgaccag 240

gcaatatctc cagatcgggtt aggcgatgga ttcattgaaa atgctggaat ccgaaacctg 300
gaggagcttg tagccgaaca gctccgtatt tttgctaacg tccatgatct gaaggctgtg 360
gagctttcag ttcgcgcgggt aataacgaag aggatcattg atgaatctat cagggctgggt 420
gataaagttc ttgtcttttc acaaagtcta cacacacttg actacttaga acgtttattg 480
aaggtcacca atcgacagta ctacgacta gatggtcaga cgccggctgc taccaggcaa 540
gcagctacaa aaaagttcaa tcagggcgaa aagcaggat accttatttc gactagagca 600
ggaggactcg gcctgaatat tacgggcgcg aatcgcgta tcatctttga cttctccttc 660
agtccaatct gggaagagca ggcaattgga cgtgcgtacc gcctagggca gcaaaagcct 720
gtgtttgtct acagattcat agccggcggg acttttcaag agatcatcca cgaaaaggcg 780
acttacaaga cgcagctcgc tgttcgcgtt gtggataaga gaaaccctat tcgatctgcg 840
cacaagaaac 850

<210> 20659
<211> 542
<212> DNA
<213> Aspergillus nidulans

<400> 20659

tcaatggtca gattcctcca aacactataa gcagactctc agctctcaga gttcttagtc 60
tcagagccaa tctaattctcc ggcgagtttc ctaaggattt cggtgagttg aaagatttgg 120
cctttcttta tcttcaggat aacaacttgt ctggctcctt gccattggat ttctctgttt 180
ggaagaatct cactagtgtt aatctctcaa acaacgggtt caacgggaca atcccgagtt 240
cgttgtctcg tcttaagcgg attcagtcgt taaatcttgc taacaatacg ctttctgggtg 300
atattcctga tctgagtgtg ctctctagtc tgcagcacat tgacttgtcc aacaattatg 360
atcttgctgg accgatacca gattggcttc gaaggttccc gttctcgtct tatacaggca 420
ttgatattat tcctcctggg ggtaactaca ccctcggtac gccgccacca cctagcgagc 480
agactcatca gaaaccgtcg aaagctcgct tcttgggact atccgagacg gtgggggatcc 540
tc 542

<210> 20660
<211> 781
<212> DNA

<213> Aspergillus nidulans

<400> 20660

tctaattgta gtcaaaatct ccgtgatggg gttctactgc tgacatggct agtggcgtct 60
tctactggcg ggtctgtacc cggttgagtt tcgtgacttc ttcttgggag acatgtactg 120
ttcccagacg tatgcaatgg gcgtgagtga ctaaaccctg attcatctgc gcagaagcgt 180
tgaccttgct tagaacattg aattattctt ctgcctctat gcgaagcact ggggcgcctc 240
gtcaacgcag tgcacctcgt ctactccag attactgggg ttctttacca ctctcccgtc 300
gatatggaga gctttccagt gtatccgctg atatgtggac accaagaacg tgtttcccca 360
tctcttgaac ttccggcaaat acatgtgcgg agtcctctac tacaccacct tgagcatgta 420
ccgcatcaac agaacgacgc gatttcaggc ccccttcata acattcgcgc tgctgaacgc 480
tatatatgtt tctgtgtggg acttagcaat ggactggagt ttgggaaacc cctacgcca 540
acacccccta ctgcgtgaaa ccctggcatt ccgaagagca tgggtttatt acgtagccat 600
tgtcatcgat gtcgtcattc gattcaattg gatcttttat gctatcttcg cacatgacat 660
tcaacactct gccgtgctca gctttgtcat ctcttcacc gaaatttttc gccgaggcat 720
ctggacagta ttccgagtcg agaacgagca ctgcacaaac gttctcctgt ttccgcgcgc 780
c 781

<210> 20661

<211> 684

<212> DNA

<213> Aspergillus nidulans

<400> 20661

tttggttgat ggcaccgccc aagactgaca ttcttgaatt gtatttcagg tataaacttg 60
tgtagaagct ctaagggagc gaaagtactt tgtgaacacc gccctcatc tttccagctg 120
gctcccgatc atggtaccag tccaaaagtg gtggcagatt ccctacttct gggccggtac 180
gaaatgctat gattggctag ctggctctga aggaattgag agctcctact tcttgccaaa 240
gagtaaagcc attgaggcat tccccatgct ccgaaaggat aacgtttctcg gtgctatggt 300
ttactacggt atgtgtttta tgaccctga gaaattgaaa tggaggcgct aatattgtag 360
atggtgctca caacgactct cgaatgaatg ttccgctcgc aatgacgcgt gcgctatatg 420

gtagcactgt tgtcaaccat atggaagtca caggcctcac caaggatgcg tcgggaagat 480
tgaacggcgc tcggcttagg gactgcattc ccgaacggga cggccaagga gcagaggaga 540
tctccattag gggaaggggt atcatcaacg ctaccggtcc attcactgat tccatcagga 600
agatggacga tccaataact aaggagattg tcgcacctag ctctggtgtc cacgttattc 660
tgcctgggta ctacagtcct tcaa 684

<210> 20662
<211> 434
<212> DNA
<213> *Aspergillus nidulans*

<400> 20662

cgaggggtcta cccgcggtgc aatcgtagtg ctgggatcgg cggccccgca cgtcgccatg 60
cccggagtag cgccgtatac ggctgcaaaa cagccttgtc gggatgatta agactgccgg 120
taagcgactc gggcagcagt tgacatttcg ccagcgaaat attccaatcg ctgatggatg 180
gacgcattggc gatcgataac atcccgcatg gcatacgcgt caacgtcgtc tgtcccttgt 240
ttgtgaatac accgggggtc caagccgctt ttgaggatga cccagagctg gaagaagtga 300
tcagtaaaat gcacccgctg ggccgtatcg cgaatgcgga agaggtcgcg gatgcgggta 360
gtttcttggtg tagtgatagg tctagctata tgactggatg tgctcttctt attgacggcg 420
ggtctacgct cact 434

<210> 20663
<211> 557
<212> DNA
<213> *Aspergillus nidulans*

<400> 20663

ttcttggtctg tggctgggggt actctggcga aatacgcttc tgtccattat ggcgctcagg 60
ttaccggtat tacgctgggc cgcaacaaaa ccgcttgggg caataaggggt ctccgtgctg 120
ctgggtattga tgaatctcag agccgtatct tgtgtatgga ctaccgcgat gtcctcgtg 180
tccctggcgg gtataagaag atcacttgct tggagatggc tgagcacggt ggtgttcgcc 240
acttcggttc gttcttggct cagggttaatg agatgctgga tgacgatggg gtcttcttcc 300
tgcaaattgc tgggtctccgc aagtccctggc aatacgagga tctcatctgg ggtcttttca 360

tgaacaaata catcttcccc ggcgccgatg ctagcactcc ccttggattc gttgtcgata 420
aactcgaggc tgctgggttt gagatcaagg gcattgacac tatcggcgta cactactctg 480
ccactctctg gcgctggtac cgcaactagc aaggtaacgg ggagaaggtc aaggcgaagt 540
acggtgaacg ctggggc 557

<210> 20664
<211> 343
<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
<400> 20664

aaatggacca ggtgcgcaag atggtacaac gtcggaaatt aagcgtttcg ctcgagtga 60
tgtgcagttg ttgctggata caaggnaggc agaggacagt gcgatctcgg accctatgtc 120
gaaggaatct ttgatgagcg gaggttcttt cgagaggctg aaccgtgccg tcgctcaact 180
tattgatgat tttagtatgg tatctttctt acagctggac gttcaggacg aggatagtgt 240
tgctgccgtg ctaagccata tcgatgccgc cattcaattc catgaggcac aagagccgaa 300
agagcctaac gatgcgcagg atgttgatta cgaggattga aat 343

<210> 20665
<211> 850
<212> DNA
<213> Aspergillus nidulans
<400> 20665

agaaccagac cgcttttttac gctgccccgt ctgcgtcaga aaccgctcgt agaccaaggc 60
aaattcccta agccaccgaa accgagtctg aggaactgga tcaacctctt gattcaacca 120
acgcagtgca ttgtttttgt gaacggagcc ctctccttcg ctgggttgta cttatgtat 180
gtttccttcc cagatgtctg gggcgagaag tacgggttta gtaccgcgga ggttggttat 240
gcatatttga gccctgggtat gcttctagct tttgtcccct ttctcaagaa aagcagctaa 300
tgtgtcaag gaatcgccct cttcattgcc tccctcctaa cgggcccgtt ctccgactgg 360
catcgcgcac gcctggtaaa ggccactccc gacataaaga tcaaagcgga aacacgcctc 420
ccaattcaaa ttatgggttt tgtcatctcc gccgccgga aagtcattgtt cggctggttc 480
acgcagcata agctccatcc tggtgctggg cttgttgcat ctgccttagg tacgttcccc 540

gacatccata ctctaagagc agaagtaact aagatgaact tgtgcagccg gaatcggaac 600
agctataatt ttcgtaacat ccacctcctt tcagactgaa tgtgcgccgg cgcagtccgc 660
gacgatcggt gcgttagccg gtttgctgag aaacattgca gctgcgattg cggccgtaat 720
tgtagatgga gtcgtgaaga aaatgggata tggttggtgt ttcacaggat tgggagcatt 780
ggatgggatc tgtatcggtg ggatcggtta tattatctgg aaggggtgga agcgtgacga 840
aaagagagaa 850

<210> 20666
<211> 726
<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
<400> 20666

actcaacccg ctcacccac cttgctcatt ccgggcccta tcgaattcga tgatgccgtt 60
cttcagtcta tgtccatta tgcgtgagtt tttgtcattc gcagtcctac gaccccaact 120
aacctgtcaa tcaccagcga gagctcatgt ggccccggtt tcgtaaaggt ctttgagag 180
acattgtcca tgaccggaa gctcttcag tctacaaacc cggcagccca gccctttgtc 240
atctccggaa gtggcactct aggctgggat ttcgttgctt ccaaccttgt cgagaagggc 300
gagaatgccc tcgtcctgca ctccggctac ttcgcgact cgttcgcgtc ctgtctagag 360
acatacggcg ccaatgctac acagctcaag gcaccattg gggagcggcc atccttcgag 420
gcgattgagc aggcattgaa ggagaaacat acaagatcat cacaatcacc catgttgata 480
cctctcctgg tgttctaagc gacatcaaga cggtgccaa tatatgtcgc ccagatcacc 540
cttaaacttt gggatgatgc gatggtgtat gccatggacg ctgagaggaa attgcttttg 600
acgagtggga tttggacgac gtctctcccg caagcccaaa ggcccttggc tgccctncgg 660
gctcagcatc attatgttct ccggcgtctt atcagacctt aatgtccgca agactccctc 720
ttgtca 726

<210> 20667
<211> 716
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 20667

```
catctggacg taagcaatcc agaggaagtc aacgggctac tcggaactct gccgagcgag   60
ttcaaagagg ttgatgtttt ggtcaacaat gcgtgcgttg cccactcccc ttcttgccca  120
aaaattacag ataaaaccgg gaccagcaa ggctagatgc tgattgtcgc gcagaggctt  180
ggtcaagggt gtcgcccgcg cccctgaaat tgctgaagag gacatagcca ccatgttctc  240
cacgaacgtc cacggcctca taaatatgac ccaagcaatc ctcccttcca tgctatcgcg  300
caacaacggg cagggagcag gagatatcat caacatcggc tccatcgctg gccgagagcc  360
ctacgtgggt gggagtattt actgcgcgac gaaagccgcc gtgcgcagct ttacggaggc  420
tctgcgcaag gagctcattg catccagggt gaggattatt gcagtagacc ccgggcaggt  480
cgagacagag ttttcggttg tgaggtttta tggggataag agtaaggcgg atgcggtcta  540
tgcgtagatt cacacttccc ttataagggc aggaatctgg acaagctggg agttgttggc  600
taacaactag atgggatgta gaggatgcga gcccgtagcg ccggatgata ttgcagaggt  660
gatagtgttc acggcgagta agagaaaaaa tgctgtgtg gcanatacgt tgggta      716
```

<210> 20668
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

```
<400>        20668

taggtaaatt ggtacggcct tagctacctc atcgatatga agcagtagga acctcggcac   60
cccgctctca ggattaatcc gctgtaagtg attggcccag aaataatgtc tgggggtattt  120
gaaacgattt tactaaaga tttttcgagg tctagccgct gcctagggta tacttaaatc  180
ccggaagccc agcctcactt gtgttactgt ggactctcgc tcatcccaca cctctttttc  240
ccacaaacca tctaataaaa caactatgtc taagacattc acgcgcgacg aatttgccaa  300
acacaacacc gaggattccc ttttggtgca tcatcgacca ccgtgtctat gacctaacgg  360
acttttttca cgcacatccc ggtggaagcg ttttctgtc ccagatagct cggcaaagac  420
tcaacaaccg actttttaca ccttcatcgg tatgaagttt tgacaaagca cccggactcg  480
ctttgctcgg aaccatcgcg                                500
```

<210> 20669
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20669

```
taccatacgt cttctcaaact actggtttag ctcccatctc ttcgacgcgc acatcaacga 60
agaactcatt gagctgatgt cggtagcgac atttactcag ccacatcctt gggagacacc 120
atcaagtgtg atgactgggtt tcctcaggac gttgcactta atttcacgct gggactggca 180
acaggagccg cttattgttg acctaggtgg cgaactggat caggccacaa tcgaattgat 240
tcggacacgt tttgttgctt ggcgaaacat cgaccagca atgaatagcg tgtctatgtt 300
cactgcttcc gacgttgacc ctgaagggtg aacgtggaca cagtacgaaa tgcctccaaa 360
agtggtagct gcacgaattt gcacccttgc aaaggcagtg atgaagctcg tacgggaaca 420
gggcaatcga ctggatatat cgcagctgtt ccttcctgcg ctcgaaacctt acgactttgt 480
tattcacttg caccgaagc tgctgcatga acgctcatcc tcatttatca agttcaagaa 540
tctcagcgca gcgggagatt ccgcgcaact tcaaaagcaa gcggctgtta gggcatttgt 600
ttgtgattta caggcttggt tcagtcctaa tctcctcttt ttctgggggtg ctgagcaacc 660
caacatcggt gccgggtctt ggaaccacac gactttgaag aagaactgga gcttaggact 720
cacatactcg acaatgcctg aagggatgag tagccctgct tcggactgca gcgtttccat 780
caatcgtacg gccatgatta atgagatata taggttaggg tcggacatgg tttctcggat 840
cgaagtccac 850
```

<210> 20670
 <211> 610
 <212> DNA
 <213> Aspergillus nidulans

<400> 20670

```
gaccgcgagg tcaagaagca ggtccgcaag gcggactcct tccctctcca gcgggtactgc 60
tcagcttgag caatctctca aggacacatg gcaagagcgc gagaactcca tgtacatgga 120
ggacaagctg gtcgccgaga ctgacgagaa gaagaacgag ctcgagggta ccatctacga 180
gctgcgtgat aagatcgatg gcgtctacgc ccgagttcgc tagcgaggag gagaaggata 240
agctgcgatc taagctgacc gatttagagg tatgtttgct tgaagaaagg cgtttatgca 300
```

actgtaacta actttttccaa cgtaggactg gttgtacgag gatggtgaag atgctaccaa 360
gtccgtttat gtggctaagc ttgatgagat ccgcttcggt gccgggtccca tcatccagcg 420
ccaccgcgag aagctcgagg ccgagcgcca ggctattctg aaggcccagg aagaggaagc 480
tgcaagaag cgtgctgagg aagaggctaa gcgcaaggcc gaggaggagg ccaagaaggc 540
cgccgaagag gctaagaaag cagagaaccc cgacgctgaa atgaaggacg ctctaacca 600
gggcgaagcc 610

<210> 20671
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 20671
tacggaatat tattcgagaa cggcgaatgc tggaacatct caaccatccc tttctttgta 60
atgtgcgata cagcttccag gatatagagt acatgtgtgt ttttacctcc ggtgatattc 120
gaaccgttgc tgactttaca agctacattg tggtcgattt aatgaatggt ggtgatctgc 180
gattccatat ctgcgaaaa tgctttacag aagaagcagt gaggttttgg ctgcgtgagc 240
ttggttgcgc tctgagatac attcactcgc agggcatcat tcatcgagat gtcaagccgg 300
acaatgtgct actagactcg gaaggacacg ttcaccttgc agactttgta agttctccac 360
atgatgtcta gatatggact ggctctgact cgcggcagaa cgtggcggtcc gactttagac 420
ctggaaagcc tctcacgagt aagtcaggta cactcgcata tctcgctccg gaagtgtacg 480
agggaggagg atattttttt gaagtcgatt ggtggtcatt gggggttaca ttttacgaat 540
gcatctacaa caagagaccc tttgaaggcc ggtctcaaga caccctcagc gagaacatca 600
aaagggccca accgaagtac tacgttacca acgcccgt atccattccg ggttgcgcgc 660
catgtcggcc ttgatggaga aggaccgaag caaacggatt ggcgcgggta gttttgagag 720
ctttacctca catcagtttt tcgcagacat cgactttgag gcactagaac gaaaagaagt 780
gccccggta ttccggccat ccagcgacaa gacgaacttc gatgctacgt atgacctgga 840
ggagctactc 850

<210> 20672
<211> 850

<212> DNA
<213> Aspergillus nidulans

<400> 20672

ttgatagctt cagggaggaa acagctacag accatgcggc tctaaagcaa caagtcaacg 60
aactttcgcg caagaatagt gaattgatga gtgaggcgag ccgttcaaac agtcaacttg 120
ttgctgcaac ccaacgtgcg gagcttcttc agagcaactt caatatgctc aagaccgaga 180
acgcagaatt gcagaaacgt tacgctgctc tgttcgagac cgccaaccga caggatctta 240
ggactcagca agccgcagaa gatcttgctg agtcgaaagg ccttattgac agcctccagc 300
gtgagagcgc gaacttaaag gccgaaaaaa ctctctggaa gaatatcgag aaacgactca 360
ttgaggacaa tgagacccta cggaatgagc gtagccgtct tgactcgctt aatgcaaadc 420
tgcagaacat tcttaatgag cggaacacg cagactctga gagtcgcagg aggcttcaac 480
agagcggtga atctctcgaa tcagaattgc agacaacgaa gagagagctg aacgagcaga 540
ttgaggagtc taagaaagcc actttacgac gcgagtacga gcatgagcag aaccagaagc 600
gtatcgacga cttagtgact agcctaagct ccacgaagga agagttgggt gcggtcaaga 660
caaccagaga tcatctacag tctcgcggtg atgaactcac tgtcgagctt cggagtgcag 720
aggaacggct tcaggctctg cagtctcggc ccagtgttct tggcgctccc gctgaaaccg 780
ctctctctga agggtcacaa gagtccggct tgaccagaga gcaagaactc agcattgaag 840
tgtctgagtt 850

<210> 20673
<211> 407
<212> DNA
<213> Aspergillus nidulans

<400> 20673

gctgcacaaa tcaactggcg ggaattgcgg tagggcgatg tgggtgcgttt ctatcacccg 60
agcttcttgg gcttgcttgg cgcaaagagg gttatcggtt taccggggga ttttgtttgt 120
cgggatcacc cgctcagtag tgatgttggg gggagtggag agatgatcag agtatgttct 180
tcacatatgt tctatatatt ttaagtcgag ggtgcatatg ctgactgtga gggtaggtac 240
cggaaggaca tgtttacgtg tgcggagaca acctgccgtg gtcgagggat tcgaggacct 300
ttggcccatt gccgatggga ttgattaatg ggaaggttat tgcaaggatt tggccgttgt 360

ccaaggtaca gtgggtgaca aataccttga agcctgttga ggctgcg

407

<210> 20674
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20674

ttaatgcaaa agccggggat aatctcagcg tcagtaacac ttgccacctc tcggctgggt 60
gtctcgtacg acacctctat ggtcgggatc cgtacaattg ttgccgtcat tgaagctgct 120
ggctgcaatg ctttactagc ggattctgat gacaagaaca cgcagctaga gtctttggcg 180
aagacgaaag aggtcttggg gtggagacgc gccttcctgt tctcaactat ctcgccaatc 240
catgtgttcg tgatagacat gattcttccg atgtacctac caacgttcaa ttttggcggt 300
atccgaatca ttccgggtct ttacctcggc gactccgtgt gtctattact cacaattcct 360
gtgcaattcg gtatcggtaa acgcttctac atcacaagct ataagtcctt acggcacctg 420
gccccaacca tggatgttct cgttatgctt ggcacttcag cagccttctt ctacagtgtt 480
ttcaccatga ttgtagccat cgttattgac ctcaccaaaa gacccaacac tgtctttgac 540
acaagtacta tgctcatcac cttcataacc cttggtcggt ggcttgagaa cagggccaag 600
gggtcaaactg ccgctgctct ttctcggtt atgtccctcg caccatcaat gacgaccatt 660
tacgatgacc cgatagccgc cgagaagatg gtagaagaat gggataaagt tgacggccaa 720
gagcaaaaaa cggctacaaa cgaaatgtcc accgtctcac aaaaaatcat cccactgaa 780
ctcattgaag tgggcgacat tgtcgttctc catcccgcg acaaggttcc tgctgatgga 840
gttgtcattc 850

<210> 20675
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20675

ttattgaagg caccgggcgg cccacccca cccacacaga accgagccca ctctcccgca 60
caccacaccc aacccccac cgaccacacc atccgcccc aaacaaccac ccaggaagca 120
ccccccacc cagacctaca gcccccccg caacgcccag acaccaactc acaacgcca 180

agcacaccaa acccccacac cccaccacag cccccaaccc aagccacgac ccacccccag 240
 accaaccg cgccaacaccc cccccaatca ccaccgcccc caccgacga ccagccgccc 300
 cgaccacca gcccccccca cacaccaac ccaccacgac gcggaccaa accccccga 360
 agacaccg acaccccg gaaagcacca ctgcccaccg caacaccccc atgaaccg 420
 caagaaacct cccctccac cccccaccg accccaccc ccacccccag ccccgccca 480
 caccctc ctccctccca atcgcccacc cgcacacaa cgcgggaccg ctccaaccg 540
 aaccacca acccctccca ccccccgaac accacacca aaccaccac acctcaagc 600
 cataaacaac ccacactccc cacacggcac acgacctact cccgacctat acccacaac 660
 acccaaac ctaaccaccc caaccaaacc cacccccag acaaaaccaa caccgcaccc 720
 caccaccac actccccccc ccaccctc accccccac caacaccaa ccaaccccca 780
 cctcttcaat cacaccacc cctacctac ccaccccca cccaacact acccactac 840
 cacactctc 850

<210> 20676
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20676

gtggaaaaga gtctcgatcg gtcccaatag cgtgcatcgt cgccgttgcg gcgaagaaag 60
 caccgctcc cgtccggata atgtcaacc gcgacgaaga catgatgacc tccggccaac 120
 gacaccctgt tcagtccgg tggaaggctg gctttaatcg cgagggaaaa ctactcgtcc 180
 ttgacgcaga tacctacaat aacgcgggct actcagtaga tatgtctgcc gcgtaaatgg 240
 acaggtgcct caccatatac gagaactgct actacatccc gaatgtctgg ctgcgcgggt 300
 ggggtgtgta gacaaatacg cactccaaca cggcattccg tggctttggg gcgccgcagg 360
 ctatgtatat cactgaaagt attatcagtg cggcggcaga gaaagtgggt atcgatgtcg 420
 acgagatccg gcggaggaa ctgtatcagg tcgggcagcg cacccttc aaccaggtgc 480
 ttgacgagga ttggcatgtt ccgttgctgc ttgagcaagt gcgcgaggag gcagactatg 540
 atgcgcgcaa gaaggagatc gaacggttta atagcgaaca ccgctggcgc aaacgaggaa 600
 tagccctgat tcccacaaa ttggcatct ccttcgcgac cgccctccat cttaatcagg 660

cgctccgctgc cgctccgtgtc tacacagacg gatcagttct gctcaaccac ggggggtacgg 720
 agatgggcca gggcctctat acgaagatgg tgcaggttgc agcgcaggaa ctgcgggttc 780
 cggtcgacca ggtctacacg caggacacgt cgtcttatca gacagcgaat gcgagtccca 840
 cagcggcaag 850

<210> 20677
 <211> 795
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20677

ttgctggaat atttccggag agtggcttgc gcacggttac gcgaaagata ctttcagagt 60
 ctcttgcgtc aggacgcagg tttcttcgat actttggcgc ctggagaggc ttcgtcacgt 120
 attactgggg atatcagtac gatccagcag gggacaagcg agaaggtggg aattgtactt 180
 aacagcattg cgttctttgt gacgagttat gtggtcgcgt ttatcaagga tgctcggttg 240
 gccggaatgc ttgtctccct cgcgcctgcg tacctgatca tgctggtggc cggaggggtat 300
 tttgtgcgga agtacttttg gcgggctcta gagtgcattg cggctgcgtc ggccgttgct 360
 ctggaggcgt tcagcaatac gatgctcgtg catgcgtttt cggcgggttg gaggcttgaa 420
 gagcgcttca ttgagcaact ggggcctgcc cgggtcgcgg gtattcgcaa gtcaatcgcg 480
 acagtacgca ggccggcttg ctgtacttca ttgcgttctc ggcaaagtcg ctggccttct 540
 ggcaggggtc gatgaagatt gcgggcgcgg ttgagggacg tgcggatggg gtcactgtgg 600
 ggaatacgta tactgtgatc ctggtgttgg ttgatgcgag tttgatactg agccaggttg 660
 cgccgttcct gcagagcttt gatgcggcac gcgtggcgtt taaaagttg gagaaggata 720
 tcgagaggcc gagtccgatt gatggaaccg ctgattctgg ccttgttccg gcagcagcaa 780
 agatagagtc ggata 795

<210> 20678
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20678

atccaatccc aaatgaggga gtttgtcaag tacgtgcgtg acacggacga aacggcaatg 60

gaagaattct ggagacgcga gctgaggggt gctgttggtc cccaatttcc tcgtctgccg 120
tctcgagact ttcttcttac acccaacggc atggttgaac gccacatcaa tctagagatc 180
ggtgctggct caactttcac tattgcgacg ctgatccggg gcgcttgggc actagtggca 240
tcacagtaca ctgggagtga cgatgtcgta tttggtgaaa cgcttatggg tcgtgatatt 300
tctttacctg gtgttgaggg tattatcggg ccgctaatac caaccgtacc tggtcgcgta 360
catgtccacc gaacaagctc tgtcgaggct tatctccaga gtgtccaaaa ggccatgttg 420
tcccgcacac cttaccagca catgggtatg cagaacatta gaaaagtcag ccaagatgct 480
cagcatgcct gcgaaactgg tactggcttg gtcaccaac cagacccga gtacgtgggt 540
ggtgagctag ggttcgaagt gggcgatgtc gtccgcgaag cactacattt caaccatac 600
ccggtcatgc tgggctgtgg aatccagaag ggtggcttca ggatttgccg aagctttgat 660
gtctcttttg tcgaagtcag gcagatggaa cgtatccttg cgcaggttga gactgcgtgc 720
ttggagttgc tgaagaattc ctccaggaga gtccggcgata tctcctgcgt gcccgaggcg 780
gagttgaacc acatatggaa atggaaccaa ttgcctccgc tatctgtgga cgaggcaacc 840
ggcaagccgc 850

<210> 20679
<211> 850
<212> DNA
<213> *Aspergillus nidulans*
<400> 20679

gtgaagaact gctcgccgaa gccgtgcgcg caaggaaaga ttgcgacca attgaggata 60
tgaatgttga gagtcttcta acctcattct tctatttgc ttcatacga aatctagacc 120
gccaggacca cgcattggtc tatctttgcc aggcgacatc aatggttttc gcattgggct 180
tgcaccgcga atcaacatac gccgagttga acaccgaaga agcagaacag aagcgacggg 240
tcttctggct gctcttcac acagaacggg atttacctcc gtagagctga atagaccata 300
aactgacaag tgctgcagag gctatgcctt ccaacaagcg aaacctgtca tgctccgcaa 360
ctccatccac aaaccgcaag tctgtgtctc cgacgaccg attctgcct acggcttcat 420
caacctcatc ggcgtcttcg agagcctcag cgtcaacctt tacgactggg tctcagcagg 480
gggaagcgta agcggagggtg gaaataaccg agacggctcc tccgagatgc cgctacatc 540

agccatccag gcaactctca gcaaaccgat ctogctcgag ggtgtctcgg aaatccaaaa 600
 gggtgatatc ctcatcacac agcagtggct tcaggccatg atgtggaaac tctccatgac 660
 gcgtgcatcg cagccaggct cgcggaatga gacggctctc ccgttccatc ttctgtaat 720
 ggtgggcaag gctgttatgt ctgtcattgc ggaggcatcg cagggggctg tcgacgcgca 780
 tgggattggg atggtagtct tcaccacttt agcaatttac ttcgattaag gctgacgatt 840
 acgcaggaac 850

<210> 20680
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20680

gaggtgcttt cagaccccca cgagcggctg tggatatgact cgcaccgtga tgcgtttcta 60
 ggtggtgacg ctggggggcga ggcggctgac tactcgcata acgcccgcac gacgagctct 120
 gccgatattc tgaatttggt ttccaagttc agtcctcgaa tggactttac tgatgcgccc 180
 tgtggatttt atggtggcct ccgcgagacg ttgcacagc ttgcgcagga ggaggagatg 240
 gcatgccgct gggaagggtg agacagtatt gactatccat cgtttgggac ccgtcatgac 300
 gggctcctcaag ttgtgcgcga tttttacgct gtatggggca gcttctcaac tagaaagtcc 360
 tttgcatgga aggacgtcta tcgttactcc gaggtccag accgccgagt ccgtcgtttg 420
 atggaaaaag aaaacaaacg cttgcgagaa gccgtattc gcgagtttaa tgaggccgtg 480
 agatcccttg tggctttcgc caagaagcga gaccgcgct acaagattta taaggatagc 540
 ctgtctcaaa aacgcgaagc tctccgcaa tctgctgctt ctcaggcagc aaaatcacga 600
 gcagcaaadc aggctacgtt acgagagcat gttctacaag attgggcaag atccgaggaa 660
 ggtcctgaag aagaggaggc agatagtga gaagttgaga cggagcatat tgagtgcatt 720
 gtgtgccgca aaactttcaa aagtcacaaa cagtttcatg ctctcgagac gtagtaaaga 780
 cacacatcaa agcgggtgaag cagcttcgct gagagatgag catgggggat tgtcgaccaa 840
 agtttgaggg 850

<210> 20681
 <211> 586

<212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 20681

```
actattactg acaccgacat tcgaacatc aacaagatct ccaaaagaag catgtcttcg 60
aattgctgtc cagctccctt gctcncagta ttcattggaca cgagtacatc aagaaagcca 120
ttctactcat gctcttgggt ggtatggaaa agaattctga caatggtagc cacttgctgt 180
gtgacatcaa tatectcatg gttgggtgatc cttccactgc aaagtctcag atgcttcgtt 240
ttgtcctcaa tacagcccca cttgccatag ctacgactgg tcgaggatct tccggcgttg 300
gtctcactgc tgctgttacc tccgacaagg agacaggcga gcggcgactt gaggcagggtg 360
ctatggttct gggagatagg ggtgtggtct gtattgacga gtttgacaaa atgagtgatg 420
tagaccgcgt ggctatccac gaagtcattg aacagcagac ggtcaccatt gctaaagcag 480
gcattcatat cagtctaaac gctcgttgta gtgtcctggc tgctgctaac cctatctatg 540
gtcaatatga tccatgtatt ctatagtgtc acctaaatcg tatggt 586
```

<210> 20682
 <211> 554
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20682

```
tttataaacg ccccaaaaaa attgaaaaaa cgactttttt aaaaataaat agggaccctt 60
aggggggtgt ttatttaacc cgaaaaccct gataaccctt agggccttag aaaccctt 120
tttggggggt gcctggggcc ccagaggttt acgaaaaagg ccccggtttt tttttttcca 180
aaccggtttt cttctgtga agtcgcgcaa aatttatgtt tacccaataa acgggctttt 240
gggggggttat ggattcggtc gtttctctga taagaccgat caccagcgtg cgctaagcga 300
gatgcaaggg gttttcttcg gcaacagttc aatgcgcac tccactgcta cccgaagaa 360
caagggtccc ggcgttggtc ctggcggtat gggcatgccc ggtcctgctg gcatgtatcc 420
tccatgggt gtcccccaa tgggctttta tggcgcccc cagccaatga atcagtttac 480
cgaccccaac aacacgactg tcttcgttgg cggtctctct ggatacgtca ccgaggatga 540
actccgtgca gtct 554
```

<210> 20683
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20683

```
gcctggtgga gccgatggcc cgagcgggtgt tcttgtatgt gcggaagata atatcaccta 60
tcgacactcg aaccaagatg ctttcagggt acctataccg cgtcgcaaag gcgcaatgga 120
aaatcctgag cgcaagcggt gcattacatg ctggtgtaat gcataagatg cgtgggggctt 180
ttcttcttcc tcttacagac cgaggatggt gaccttttta agctcacgct tgacatgggt 240
gaggatgaca aaggccgact cacggggcaa gtaagaggat tcaaagttaa gtatttcgat 300
acagtacccc tggcttcgag cgtgctcatc ataaagagtg gatttctcta tgttgccgcc 360
caaggtggga atcatcactt ttatcagttc gaaaaacttg gcgatgacga cgaggagact 420
gagttcaaca gtgatgactt ctcagcagac ccggcagccc cctgtacacc tgtctatttc 480
cagcctaggg gtgctgaaaa tctgaatctc gtggaggcta taaactctct caaccactg 540
gttgatagca aggttggtgaa tatctccgag gatgatgctc cccagatttt tacagtttct 600
ggcacagggt ctctgaagca ctttccggac gttaaaacat ggtttgaggg tctctgagat 660
agtggagtcc gagcttcta gcgtaccatc agctgtttgg acgacaaagc ttaccagggc 720
ggatgaattc gatgcgtaca ttgtactgtc cttcgcaaac ggcagtctcg gtttgagcac 780
tcggtgaaac tatagaagac gtgattgata ccgggttcct atcgtcagcg cccaccatgg 840
ctgttctgca 850
```

<210> 20684
 <211> 775
 <212> DNA
 <213> Aspergillus nidulans

<400> 20684

```
aaaaaaaggc cgcgggggga aacaccaccc gaactacaca gaaaggagca ccaccccccc 60
gcaacacaca aagcaccggc cccagacaga aacctacca gacacaacag cacgaacgca 120
gcagaccccc acgcaaact acacggcccc ggcaaacgcg caacaaaaaa gcaaacgccc 180
acgcaagcat gggccaaacc ccacagaaac cgcgaaacga agccagccaa gccccgactg 240
```


caccgaaata aacaccgcca agaaccacag gcccgaagac ggaccaagcg acggcccaaa 300
acgccacacc ggaacaagca cgcaccaag gagaggacaa cagccccac aagaccacg 360
acacgccaaa gagagccgac tgcagcacgc aagaccccc ccaaagccca gaaaggcca 420
aacaaccccc acgaccgca ggcgccaac atgaaccgga agaccacccc cctcatacaa 480
aaaccaccac cgtgacacca gacacgcgg aacctgacgc cccccaacag ccaaccgaa 540
aacaacaaaa caaccaagg ccaaccaca cagcaaacc cccccagga aacccatga 600
cccaaacgca tcaaaaccaa ggcaccccc ccaacacaca accccgcac ccacacaaag 660
aggaccaaca aacccccgg cccagcaacc ccccccccc cccccccac cacaaaacac 720
aaaccacca cacacaacct caacacacca accccacacc cacacacca accac 775

<210> 20685
<211> 601
<212> DNA
<213> *Aspergillus nidulans*

<400> 20685

accacgatga ccgttactcc attgcagaag aatacattaa agtcgcctac aagctgtggg 60
aatcatcctg gcggtccgac gccgtcatcc tcgacaagca gcgcgcgta tacacagagc 120
cctcgcgcgt acgggaaatc aaccacgtcg gcaagtattt taacgtcccc ggtcctcatc 180
tctgccagcc ttctccacaa cgtacacccg tgatcctgca agcgggaacc tcaaaggcag 240
gcaagacctt cgcggcgcag cacgcggaag cgatcttcgt cgcaggacac agcccgagcg 300
tcgtcgcaaa gaatgtcgcc gagatcagag agcttgcgaa gtcgcaatac ggacgcgatc 360
cgtcctcgat aaaattcctg gccctactct gcccggttct gggaaagaca gaggaggaag 420
cgaaggagaa gtttgcatac taccgcagtc tgggttccat tgatggtgcg ctagcactat 480
tcggcgggtg gacggggatc aacctcgacg ttacggcga cgacgaggaa ctgcgatctg 540
tgccgagcaa tgcaaatccg tctgccgtcg aggctggtcg aagcgacacc cgaagttcaa 600
a 601

<210> 20686
<211> 450
<212> DNA
<213> *Aspergillus nidulans*

<400> 20686

attcggcgcg aaggaatgaa tacgtttctca atggctcgta aacctcttcc aacccttctt 60
taggaatcta aactaataga gtgtacctat agaaatgggtg tcctcagtgc cggagacccc 120
cgctgccaga tctacctcgt catgggcaag accgatcctc gcaaccaga cacctacaag 180
cagcagtccg tccttctggt acctgcatcc acaccgggca tcaccatcca ccgcatgctc 240
agcgtctacg gctacgacga cggccctcat ggccacgggc acatctcctt caagaacgta 300
ccggttccgc tatccgccat ggttctcggc gaaggccgcg gcttcgaaat catccaaggc 360
cgcctaggac ctggccgtat tcaccacgcc atgcccagaaa ttggcgccgc cgagcgcgca 420
atcgactggc tcattgcacg tatcaatgat 450

<210> 20687

<211> 495

<212> DNA

<213> *Aspergillus nidulans*

<400> 20687

ccgccgcctt tgaatcccaa gccatcctca tgccgggcca accactcctc accgacgaac 60
cgtctgtctc ttcagggagc gcatttgact tagtaggttg gggcatgacc aagcgcgag 120
tcacgcaagc catggccgaa gcaggcatca cgccaaaggc ggtcaccgta tgcgaactcc 180
acgactgttt ctctgcaaac aagcttatcc tgctggattg ccttggtttc tcagaaccag 240
gtaaagccca tgagcttggt cgccgcgcg atatcaccta cgccgggcaag ggcccggtaa 300
tcaaccctt ccggcgggact gatctcaaag ggccatccac ttggagcaac aggactagcg 360
cagtgtgctg agctaacctg gcagctccgc ggatgggcca ataaccggct tgttgagaat 420
acttcagtgg cactgcagca taatttgggt ttgggggggtg cagttgtggt tacagtctac 480
aagcgggctg atggg 495

<210> 20688

<211> 431

<212> DNA

<213> *Aspergillus nidulans*

<400> 20688

caacccccat gggcatcaaa attggcccct ccatgacccc ccaggagcta gtcaccctcc 60

tcgatactgt caatccaacc cgcgaaattg gcaaagtcac cctcatcctc ccgctacggt 120
gctgccaata tcgccgcca tctccctgga cacatcagcg ctgttcaatc ctccggccat 180
atccccgtct ggcaatgcga cccgatgcac gggaacactc gctccactcc caatggtgtc 240
aagacgagac atttctcgga tattctttct gagctgaagc aggcgttaga gatacataag 300
gccgcaggca gcttccttgg tggcatgcat ttggagctta ccggtgaggc ggtcacggag 360
tgtgttggtg gtgctggagg gttgacagag gagggactgg gagagagatc cccgactttc 420
tgtgatcaga c 431

<210> 20689
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20689

gctggcgcat ctgtctgtac cttccctat cttacggctc aagtcttttc ctctgttgct 60
gacgagaagt taggacgagt cttcgtcaca ctctaccta gattccgccc tctacacgat 120
tgccctcgcc tcgagagggc ataaaattat cgtgcaacga agtacagcgc cctacgggtgc 180
tacagcgtat atcaagaatc gagtctgtcg ccctctccct atcaatcctg cccccaatgc 240
ttcggttagg tgactgacca gaaatactct agttacaagc aatatcttcg ccaaggctac 300
ccacactggt ctggcaaacc ccgttctggc cgtcccattc ccaggctctc taatagcgtc 360
aatgattacc ccatcgagcg tgataattgg ccacatcttc tcctctacgg cctcgacacc 420
agcgataact gctctgaaga ggttgtagcg ctcatctgtg cctgaagacc gcattgtgac 480
catggacgcg tactcggctg aactaggaac cattagcgcc aaggcagtaa ttgtgcagca 540
gatgatggcg ttgaactctg tgcacatgat atgtggcaag gtagaggcga gtccgggaaa 600
tgtgggatgg atactgggag ggctggacat cgcagccgtc aggacaggag tgtggatgag 660
gagggaggtg cgggtgcttag tcaatcttgc taaggggctg gggatggagg aggtgaaggc 720
gtactgggag ggggtgctga agctggaggg gatgaagtac cggagagatg ttaggaactt 780
cttgaaaact ctaaaccagg gtgaagaccg gaagaaggct gctttgatct tgacggatgc 840
aatgggagat 850

<210> 20690

<211> 632
 <212> DNA
 <213> Aspergillus nidulans

<400> 20690

```

agcctctcgc cggtgggtttt cggactctca ttgctgaccg ctgtcgcgta tggaacgctc   60
tacctcttat tcacgacagt aaccgacgtc tttgcatcgc gctatggcat cgccaccaat  120
gtgggcctga tatactcttg ctgtggctgt ggtcaatttg cggcctctt gatcttaggg  180
cttgtttccg atgcaatcgt taagcgagca gccaaggcg gagaaatgaa gcccgaatac  240
cgtctgcccc ccacgatctt tgggggatct atgattccta tcggcttact catatatggc  300
tggaccgctg agatagggtc ttctggttcg tgctgttat gggcacattt ttcacgggc  360
ttggcatgat cagggttttc acccccgttg ggacgtacct gatcgacgca tttcccatgt  420
acgctgccag cgccaccgct gccaatacgg tcttccgcag tgtggggggg gcgcttcttc  480
cactggcggg tccccgaatg tatagtactc ttggccaagg ctggggggaat acgcttctgg  540
ctgggtatgc cttgcttatg atgggcatga ttttctgtc cctgcagtat ggagaacggc  600
tgaggacaca tccaagtac caaattaagc ta                                     632
  
```

<210> 20691
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 20691

```

tcaccagata ctctttaag ctagaggatt cgagctggaa tgttatgagg aagatttatt   60
tgctgcctgt gtcttttgta tcttttcacc attgtattcc ccatattctt tcccccttat  120
gttcgactct cttcttggtt ctatgttttt taattattgt ttatttttta ctgtcccttt  180
ctaacccttt tgtgttttac ttacgttagt aatgtcttcc ttatctttat tctctatttt  240
ttttattttt ttattttcta tttctctttt ttattttttt gtcattattt aattcttttt  300
cttttttttt acttttttac ttttttactt tttttcattt taattttatt atcttataac  360
ttactttttt atcttttttt ttttttctt atttatattc tttttccaat tttttatatt  420
ctttctattc tctttttcct tttttcttat tttttcttct tctctttttt caatttttct  480
tatttttttt cttattcttt                                     500
  
```

<210> 20692
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20692

```
tctgaccgag attgcatcgg cataccaaaa gcttcaactg aaagagaacg aattcaaagc 60
catttctggg caccttgtgg acgcggaaac catggttgcg atgaaggact tggctaacaa 120
gcttggctct gataatcttg ccttggatca gcccggtggg agctcgccaa tcgcccacgg 180
cgctgatatc cgctcaaatt acctcttcaa ctctaagatc tacggcatcg aagaggcgga 240
cgccatcctt ttggtcgcga cgaaccctcg ccacgaagct tccgttctca acgctcgcat 300
tcgcaagcag taccttcgct ctgatctcga aatcgggtctc gtcggggaag ctttcgaaag 360
cacatttgac tttgaacacc ttggttcaga cgttgctgct ctgaaggccg ccctgtcagg 420
gaactttggc acaaagctgg cttccgcaa gcgacccatg attattgtcg gcagtgtctc 480
ggccgaacat aaggattcga aagcaatctt tgaggcgggt ggtagctttg tggagaagca 540
cgccagcaac ttcaacacac cagagtggca aggttataat gttcttcagc gcgcagcatc 600
gcgtgctgcg gcatacgaaa tcggcttcac gacccctct cctgaggtag cacaacaac 660
gcctaagatg gtttggctac ttggtgcaga tgagattaac caatcggaaa ttcctcgcaa 720
agcgtttgtc atttaccag tacatcacgg tgatcgtggg gctcaaatac cgcatgttgt 780
tctcccagga agtgcgtata ccagaagtc aagagactat ataaacacgg cgggacgcgt 840
acaagtcact 850
```

<210> 20693
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20693

```
gagtgccaga cgttggcccc ggtaaacgga catacggagt cgtgataga atggtggaag 60
attgatatgg cggacttgag cgccgtggac gcgttcgctc agcgctggct ggataccggc 120
cgtgcgcttg acatcctgtg caataatgca ggcatggggc cgacgggctc aaggaagccg 180
atactgacga aggacgggct agagatactg catcaggttc gtctccggtc tggaatgatg 240
```

agaaggagaa tttgcattaa ccgcatcacc aggtcaactt cacctcccat gtccttctga 300
 cgctgcgcgt gctcgactct ctcgcaaagg ctctcaacc ccgcatcgtc tgcacaacct 360
 cgtgcttcca cttccgagga tatttcgacc tggatcattt caacggcgaa ttaggcatgg 420
 cgggcgaccc ataccctaac aacaagctct acttccaggt ctggctgacc gaactccaca 480
 gccgtctctt agccagcccc aattacagac acgtcacctt caacggcatc aaccgggct 540
 acgtaaattc agggatctgg aacaacccgc tttctgagac caagaacacg tggattgaca 600
 ccgcgtacaa attctggaaa ttcgtcgcaa gcattctcgc catcagcccg cagcagggga 660
 gtctggcaat tgtgtatgca gccaccagtg cagagtttgg acccgaccct gtcacgcagg 720
 ggggtggggga gattgggggg aaggggtggtg ggactatat taaccggatc tgggaaggcg 780
 aggcgatgcc tcaactgctca gacgaagaat gtcggaaaga ggtttgggag aaggtgggca 840
 aagagctggg 850

<210> 20694
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20694

aacacatcga ccgtggaaga agatcatggt caccgttgaa ggactatact cgatggaagg 60
 aacgatgtgc aaccttccac aaattctgga gctcaagaaa aaatataaat tttatctctt 120
 cattgacgag gcgcattcga ttggagcaat cggcagtcga ggacgtggag tatgtgatta 180
 cttcaaagtt gaccctgctg atgttgacat tttaatgggc acgttcacca agtcattcgg 240
 tgccaccggt ggctatgtcg ctgcgaacca gccgatcatt gacaagctac gctgcaccaa 300
 tgccggccaa gcgtacagcg aagctccaac actcccagta cttgccccaa tttcttcttc 360
 atttcgattg atcgcagacg aggaccctct ttaccgggt cagggctcttg agcgaatgca 420
 acgcctgaca ttcaactcga ggtatctcag gctaggtttg aaaagacttg gattcattgt 480
 ttacggccat gatgactctc caatcgtgcc cctaagtctg tatcatccgg ctaagatgcc 540
 agccttctca agagaaatgc tgcgacgcaa aatctcggtg gtcgttggtta cctatcccgc 600
 tacgccgttg gaactttccc gtgcacgatt gtgtgtatct gcagcgcata ccaaggacga 660
 tctcgaccgc gtcttgggaag cctgcgacga agttggagaa gcactacaac taaagttctc 720

ctctgggaaa gctggtggat tgaaacagcc aagaccatgc gtgacgatat caccagataa 780
aattactgag cctccacgct ggacattgac agagatcata aaatggggag ttcgagatgc 840
gaacgtgact 850

<210> 20695
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20695

tggaagaccg tgatcatggt atccagtatc catttacaga gcacatcgta ccggagaaaa 60
cagaggagga acttgcgga atcgcacaga ggaagaaaga gagcgggcga cggctgcaag 120
aacaagctgc gaagatgcga ctgaaaagt tgatgaaaaa ggagcaagaa ctggagtact 180
acaaggacct acagcgtggt ctccagtctg agacgaaaaa ggagaagaca cgcattctag 240
atgccgagga cctgaaagac gaagcacatc tagagcggct aattcgggat cttgagcgct 300
caattaagag atcgagaaac aaagacctag gaaatgaaga gcaggaagaa gcatcggagg 360
agatgtcggt cccattactg gatgtgccag acgaagagct agacgaggct gggttgaagg 420
agaagcgtca tcagcgactt atgaaatcca atgtcgacgc acggcaacgt gctaaggaag 480
agaaggagcg ggaacaagcg cgaaaggatg aagaactccg gcttgatcgc gagaagcggg 540
agaacgaccc tgagggtggt gtcgctgaac ggagagcaca gcgccaggta ggacttctga 600
gctgcgaact acaagactta gctaacaggg caatagaacc tccttcaacg gatcaaggaa 660
cgcgaccgca tgaaagccga tctaggcaac cgcaagtcac tagcaagcca gatgcgcatg 720
aagactctcg ccaacctcgc agcggacggc ctaaaaagc gacgaagagg aggtgatgat 780
gatgatttcg gcgccaacga tgaagattgg ggtgtttacc gtacagtggc tactggcgag 840
cagagcgacg 850

<210> 20696
<211> 770
<212> DNA
<213> Aspergillus nidulans

<400> 20696

ggaatttctt cctccgaaac ataccatgcc ctctactct tatcagactc cgccctccct 60

ttgggtcttt tgcctattc gagcggtta gaatcctaca tagctcacca aaagcctctc 120
 cctcgacaaa taacaccggt tgcctcattt caacgcttcc tgaaactttc cattgcctca 180
 atgggaagta tctcactccc ttacgtgctc acagcctacc gcaacccaat cgagcttgaa 240
 acgttgata acgatctcga cgcatcaaca ccatgccctg ttgcgagcg tgcgagtatc 300
 gcgcaggac gggcattgct ggggtgatgg gagcgggcat ttcgaagcac atatgcgcat 360
 ggtaatggga actgtcaact cagaggctca aggggtcaga gcggcatcaa ggccgtcgcg 420
 gacttttcag aagcgttgaa atgctgtatg gacgacgagc taggggttaa gggccatttt 480
 gcaccgctgt ggggtgctgt gtgcttgccc atgggaatgg tgctcgacaa acagcgtacg 540
 tgttcatgtt gaaccacgcc aaagctgttc ttagtgctgc tgctcgagcg tcagtaatgg 600
 gcccatatca ggcgcagagt gtgctagcta gcaaagactt gcaggacatg attactgaac 660
 gaatagaccg ggattggcac actgctatag aagacgcagg acaggtagtg ccccgctag 720
 atttatgggt tggacgcat gagcttcttt atagcagaat atttaattca 770

<210> 20697
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 20697

cttgacgagc gcgccaggac cgtgctcgaa ttcgtgaagc gagccaacaa ggccgaggtt 60
 tcgacagtcg agagcacacg agactttccc gaggatcgta ggttgaaccg caaacttgct 120
 gccgatagca ttgtcctgct taagaacgag tcggggcttt tgccactaaa cctgaaggcg 180
 ttgaagagtg ccgccttgat cgggccaaac atgaagaccg cggcgttctg cgggggaggt 240
 tctgcgtccc tccagccata ctacagcatc tcgccgtacc agggaatcat gaaccagctc 300
 cctccgggcg tcgagattat ctacgagaca ggcgctagtt cgtatgtttt tatcccgag 360
 ctggaggcgt cagaagtgcg cacgccgga ggcagcctgg gcttcgaatg cgcttctacc 420
 gagaaccacc ctccgtcaaa gaacggcgcg tggttgagga aaccatccta caggagtctt 480
 cgtggcagct gatgggcttc tccaaccac aattggaccg gctcttctac gcagacattg 540
 aagccgagtt gattgctcct gccactggtc ctttcgaatt cggccttgct gtctatgggt 600
 ctggcagcct ctttatcgac gaccagctta taatcgataa cactactgtg caacgagggg 660

gcaatttctt cttcggcaaa ggcacccggg aggaaaaggc caccgtggat cttgttaagg 720
 gtcagttgta caagattagg gtggaattcg ctagtggccc atcgtccaag ctcatgaaac 780
 cggggggttg gaatttcggt ggcggcgctg gtcgctnggg aatggttcag gccatcgatc 840
 cggagctggc 850

<210> 20698
 <211> 663
 <212> DNA
 <213> Aspergillus nidulans

<400> 20698

tcacagatga cgctcaaagt tcctatccag gagattttgg atgtgttcgt gaagcactac 60
 tttatatatg tgcacccgtt cctaccgta gttgatgagg ccgtattctg ggcaaagtat 120
 cggggatttg attcgagtgc gggcaagatc tcgacattgc tctttcagac aatgctcttc 180
 gctgctagtc cggtaaagccc tagaccctag aatgcttgag gatgggcaga tctaattatg 240
 cagttcattc cgattgaagc cgccaaagaa tgcgggtacg attccctgat atctgcgcgg 300
 gacgatctct accgacgagc caaggtacgt cactagtttt accagatagc ttcaagctga 360
 cccgacagcg cctctatgag agcgggtatcg agaaagaccg tctggtaatc gcccaagcct 420
 gcctcctcct gacctggtac accaccgatg ccgagcgtc caccaattcc cgctgggttac 480
 gcatcgcaat ccgatacgcg aagaaagagc aagcacatct ataccataag atgccacaat 540
 taggttcaaa gaggaaagta tcggacctca agcgcctctg gtggtgctgc atgatccgag 600
 accgatcat ctcgctcggc atgcgtcgtc cgatccagat caccocggat gaattcgatc 660
 tgc 663

<210> 20699
 <211> 719
 <212> DNA
 <213> Aspergillus nidulans

<400> 20699

agtcgtatct tttaacatta cgcttgaaat caacaccatc gttggaagtg tgccgcagac 60
 tgtccagtca gcaataatat taaaatgtag ttccaattta taaggattgt tattgtgcaa 120
 aagatttacg tggagcaatt aagtggcaaa acaactgcaa taccgtttcg catttagcaa 180

tcgaaggcga ggtagtgtat cctgacgggt ctatgactgg tggggcggtta aagcaagcgt 240
aatcttcttt attagcacgc caacgtgaac tggaagagtg tactcgcaag ttacctgata 300
tggaagaaca atcaacgaag ttagaaaact ttgttaaagc agtaaaacaa gagattcaag 360
aaatagaagt gaaaatacgc gaactaaggc aaactgtaga agcagatcgt gtagatgagc 420
agaaattaag agaagagatt aatcgtttag aattagaaga acatcgattt aatgatcggt 480
tgtctattta tgatttagag attgaagggt ttttgcaaga tcgagtaaaa atgcaagggc 540
gtaaagagga gttagaagggt gttttaacga atcttcaagc tgaaatctct aagttagata 600
gtaaaattgt agctttaaca aaacaaaaaa gtgagcaaca ttcttcgaaa gaaaaagttc 660
aaaaagaaat aaatgagtta atctgaattc gtcgacaagc ttctcgagcc taggcgagg 719

<210> 20700
<211> 850
<212> DNA
<213> *Aspergillus nidulans*
<400> 20700

agggtaccc tcaagagaga ctcgaggccc ttctggcacg aatgagggaa cgttttccta 60
agagccaact ttggcttctt gaggaatccc gtatgaacgg cgccaaccgc aggcttgacg 120
tggtcccttga gcttttgtgc accgaggtgc acagccctct gaaacaggtt gaggcactaa 180
aaattttcga gaagagtctg aacgcattgt atatccacaa atacgaactg tgctctgagg 240
ctttcattga ggtttgtctc cggcagatct gcctgttttc catgcgctaa cggtaatata 300
gtgtgctgaa atcaactcat ggtcccgccg gttatattac tacattgcag gaacatgccca 360
tatcagtttg tacagagagc ttgccactac cgacccgaag aaagcgaag aacatgcaga 420
gactgccgtc aaactcttgc acaaagctcc tcaatatgca ggggccaaaa aattcatggc 480
gogacagttg ccgttcgata tattcgtcgt ccgcaagatc gccaaatggg aagctcgagc 540
caaagagtgg aacgtgccgt tgatagacgc cgtgggagtt gatcctgtgg aggagatgat 600
tttctatgg aacgggcata gccggatgac acaggcgagc cttgaagagt ccttaaaaaag 660
actatcatgg tccgagagcg atgcgaacaa aacatggtct cgtgaggggc cccaagagaa 720
gggtatttac cagctccttc ggcaacagtgt ctgcgcttga agccggtacc cgacgaacca 780
aggatggttc tccaggactg atcttaccta aaagaggttg gtattcaagg gcccccaact 840

ggaggaccgg

850

<210> 20701
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 20701

catccctaac cccatcggtc tttccgccgg aaccgatctt ttccaacgct acttaatcac 60
aactcttcaa aggccaggcc agctggggcc tgcaggagat ttcaatgcga ttcgagcaca 120
cctcctttcc aacagtcggt tgttcattcg acgtgccaaag gagagccgag ataagattgc 180
tggttttggg aggggctttg tccgcgatgg aagcaccgta ttgacaaacg gagggctctag 240
agtcgtcgcc tcgctgttac agcaagccgc agatgaaaag gggggccctt ctgcagtgcg 300
attcaacgtg atatacggcc tttggtcgcc aaagggagac attaagaacc ccacggctga 360
gccagagggg atggagacgg tacgtgcgct tcgggcaaag ggcgtccctg ttgctacgat 420
cccggagtct gctgtggcat attcactcgg caaggcagat gtggttattg ttggtgcgga 480
gggtgttgtg gaaaatggcg gcatagtatc gcgaatgggc acttaccaaa ttggactcct 540
tgcaaaagcc atggggaagc cattctacgt tgtggcggag agccacaagt tcgtccgtgt 600
ttaccgcgtt gggcaatatg acctgcccat cgaacagcac gttatcgact tcaagacgca 660
agaagaagtt gacaacgcta agcaacaacg agagcctgca gacgcgtcga aatcctctgg 720
tctgaacaca gaattcgatg ccgatctgt ggatttcaca ccacccatt taatttctgc 780
attgatcacg gacagcggcg tcctaacacc aagcgtgtc agtgaagaat tgatcaagat 840
atggttctaa 850

<210> 20702
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 20702

gcctcgcgag caaggcgatc gtgatcaatc cggcgtcgag ccgttagtaa catttctcga 60
gctcgtgaat gtcggtgacc tcattcttca gatgattgat gtcttctacg agcaggagat 120
gattggatcg aatatcactg atcgaaatga ctttttggat ccagcgggtga aagagaagaa 180

gaagtttgag cagaatcttg acgaacgtgt tgcggctggg ttgaacaagg gaatcgatgt 240
 cttgatggag gaggtggatt atatccttgc cacaagacag ctgcaaccg acttcaaccc 300
 ggatgtctct actgaccgc accgaaaaac catggatgta agcgttaccg aagccgcagc 360
 cgcagtggtg gatgtcgttt catcgcatac gcagatgctc gtcgggagca cagacaagag 420
 tactcttgat gtgttcaacc aggaggttgg attgctctc tttactgctc tttgtaagca 480
 tctgaagcgc cagagaatca gtatcgaagg atccttgaag ctgatcagga gcgctctcag 540
 ctgtatttat ttcggctatt gctaacgata acaagtgaca tgaaccacta cttcaagttc 600
 atccagagac tcaaaaacaa cgagctgctc atctacttta aggccttccg agagctatca 660
 ccagatttac ctcatcgatt cggccgatgc aaaggaacta gccaaacttca ttgctgatgc 720
 aggccggttc tctggtattt ggcgagtgga agaagtgtac cagttctcgg agaggcgagc 780
 agattggtac caaatcaagc gcgatgtttg acgagctatg tttggaattg ggtgcaatgt 840
 tatggtgatg 850

<210> 20703
 <211> 522
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20703

tacctccaac gagagaagtt cccagagcaa gagccagcgc catcatcagt tgagatccaa 60
 taccceaagt tccttaaatt gacatttata ctcataggct tgaacctgtc tgtgttcctt 120
 gtcggtcttg ataacaccat tctctccagc gctattccca aaatcaccga ccgattccac 180
 gctctaggcg atgctggctg gtacgccagt gcttaccttc tcacaaactg cgcctttcag 240
 cttttctggg gcaagctata cacattctac accgtgaaat gggctctacct tgtggctttg 300
 tttctgttcg agcttggtc gttggtttgt gccgttgccg cttcttcaac ggcttggatt 360
 ggtggaggcg ggcagtggct ggtggtggcg ctgggggctg gacgaacggc tcgttccctgc 420
 tcattgccac tcagtagagc gcgaagacgc caacgtttgg tggactgctg ggtctatgat 480
 gggcttgccg cgttgccgac cactatgggg gggctttacg at 522

<210> 20704
 <211> 850

<212> DNA
<213> Aspergillus nidulans

<400> 20704

gacgtgagcg taccgcgcg ctttcagcac gaggttacia tccaccaggg acgcattgag 60
cggattctag agacagatct gctgaggtac tcgaagcgcg gcgttcagag gaatacagaga 120
ctcgtggatg tgaagcttga tgaggcggat ggggagtttc cgattgtggc ggtgatcgag 180
gttgggaaatg gcgatggcga aagggaagagg aggcagattc gctccaagta ccttgctcgg 240
gcggacgggg cgcaactcgat tgtccgccgg tgcattgggtc tcagtctaga gggatgaatcc 300
ttggaccaca tctggggagt ggtagatctg gtcgtggata cggacttccc tgatattcgg 360
cggcggaccg cgatccactc cctgcccggg tcggtcatgg ttatcccgcg cgaacgtatt 420
gcgacaggcg actaccttac gagactttac gtgcagggtc ccgagattga gattgaggct 480
ggcgatgacg ggccggcgaa ggatgccgcg aaggcacgca gggcggggcg tacgctggag 540
agtattttcc agcaggcagc tgaggcgttc aagccgtact atatcagacc caaagaagat 600
ggttctgtgg attggtgggc ggcgtatcag attggccagc gcgtgtctgg gcaattcacc 660
gtcaaggact cgaaggggat taaccgggtg ttcattgctg gcgatgcatg ccacacgcac 720
agtcctaagg tacatccaaa cttcaacctg tgcattccgg acaagtacgc taacatgcct 780
gaagacaaaa acaaggcatg aatgtctcca tgatggactc atccagccta gcatgaaaga 840
aatcaactc 850

<210> 20705
<211> 578
<212> DNA
<213> Aspergillus nidulans

<400> 20705

ggcacgtata cgctcatgat gcaccagcac atccatatgg gcgggaccc aaaaaagagt 60
ttctgggtgg ttgacgggtt gtttcogtac atcacgaacc cgctgatggg ccataacctg 120
aactcatatt actaccatca tgtcaagcac caccatgttg aaggaaatgg gccagggtgac 180
ctgtcttcga cgatccggta ccagcgcgat gaactgatcg actttctgtg ctatgtcggc 240
cgctttttct tcttcatctg ggccgagctg ccgctttact tctggcgcaa gggaaagtgc 300
ggtatggcgg ccaaagctgc gttctgggaa ctaggaaact acctcgttgt ggcgctgctc 360

tggcattatg tcaattggag agcgacgtta tgtgtcttcg tcttgccgct tctgcagctg 420
 cgtgtgggat tgatgggtggg taaataaaga caacacgcct ttgtcgacga ggatcgatccg 480
 aaattcgaaa ctttcggacg agtataactc ttattaatgt tctgtacgc catctcccc 540
 tccatcccc ctccgcgcgc tggattcctc ccgtcatt 578

<210> 20706
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20706

cgccgtcttc tgcgtcagcc cctcagcgt ccagtctctt cctgcctcc atgatggaaa 60
 cctgccggtg actgcagtga ctctcagaa tatctgtac tgcattctca cctccggcag 120
 cacaggccga ccaagaggat gcgtgatcga aactccaat tctctcagcg gcgctgtcca 180
 ccacgcgcgc aggtctcgta tttccgaatc cacgcggatc atgcagatcg ctccatacac 240
 ctttgatgtt agtatcctgg agatgctcac aggctgatc ggtggcggt gcattctgct 300
 gccccgagac tatcaccagg gtgcgcgggt ggcagacatt atcaacgatc tcaatatcaa 360
 ctggactttc ctgactccgt ctgtcgcccg tacgattgtt ccttcagaag taccaagcct 420
 acagaccctg attcttggtg gggaggcact tgccaaggtc gacattcaga cctgggctgg 480
 caagcttcac ctccataacg gctacggacc aagtgaatgc tctgtggctg ttgcctcgaa 540
 cgaagtccgc gatccaacta ttgatccagc caacatcgga tcgaagatgg gctgcaatat 600
 ctgggttggt gacgcggaaa accatgacat tctctgccc atcggcgagc tgggagagct 660
 gctcgttgag ggagccatag tcggtcgagg ttatctcaa gagcctgaaa agactgcagc 720
 tgcgttcac caggatcctg cttgggtgca ttacctgcc aacaccaaga gctcagaacg 780
 ccgccggttc tacaagacgg gagatcttgt ccgactgaat gctgacggta caatacactt 840
 catccgaatc 850

<210> 20707
 <211> 651
 <212> DNA
 <213> Aspergillus nidulans

<400> 20707

caagaagaac gatggtccca agaagaaaat tgtcctcctt tccgccattg gaactccata 60
 tgagacccgc gccagcgttg ttgccaatga ggatattcgc gtggtccttg ctcccagcat 120
 tgaggtacac ccaggtggtg cacagtcctc gaatgtcatc tgtgcacctc ctggatccaa 180
 aagtatttcg aaccgggcct tgggtcttggc cgcctcggc tcaggtactt gccgcataca 240
 aaacctgctg cactccgatg atacagaagt gatgctaaat gccctggaaa ggcttgggtgc 300
 tgcgaccttt tcttgggaag aggaagggtga agttctgggtg gtgaacggga aagggggaaa 360
 tctacaagca tcttcctcgc cattgtacct tggaaacgct ggtacagctt cccgattcct 420
 cacaaccgtc gctacccttg ccaactcaag cactgttgat tccagcgtcc ttactggtaa 480
 taaccgcatg aagcaacgtc ctattgggga cttgggtgat gcattgaccg ccaacgggtgc 540
 ttccattgaa tacgtcgaag ggacgggcag ttgacctc aagatcgctg cttcgggcgg 600
 atttgccgga gggaacatca acctggccgc caaagtgtcg tcgcagtacg t 651

<210> 20708
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20708

cagacagacc atcgtcacta tgcccgcctg gtccctcctc gtccctctccg cctcccagt 60
 ggtgggtatg ttgcgccgtc aaacgacctt cttctcctca ccatgggaga ccttttttgg 120
 caccgccgct gagcagcatg aagcagcaat ggacggccgc atccaaggcc gtggcctcct 180
 cagctctcac tttggctggt acgggtggcc gggccaaacc ttcgactatg tgattgttgg 240
 cggcggcaca gccggcctag caatggccca tcggctgtca gaggacggtg gcaactctgt 300
 tgcggttatt gaggccggag gattctacga aattgaggca gggaatgcc aatgaagtgc 360
 aatgttcctg ttcaactaca ttgatgacaa cggccatgtc aagaaccgc tgtttgactg 420
 gtttttttat atctaagtcc agccagtatg cttaccctac aatcgagata gctcagatgc 480
 ttacagtttc aggggctggc 500

<210> 20709
 <211> 837
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20709

accggaaatc ccagcagtat gctggtctca gcattatctg ggactactat cttaatattc 60
gtgcagctgg cctcaagagt tttcattttc gcacgaatc aagtgatact gcgaagctta 120
tcgccatcaa tcttggggat ggcatcgcaa cttgagctgt tcttgatctc gattttatac 180
ttttctaggg aaagcatacg agccgcgatc cagaggcacc cactagagtc tctacctaca 240
catcccgtcg caaacataga cacgaatgca ctgtcgccag tcagagagcg ggaaaagagg 300
agaatccggg cagcatcctc tcagtcaata gtgaacatgt cgtatttgag tattggcatg 360
ggcatcataa ccgtacttgc attcgcggtg ttttatatgc gatttgttcc tgtggaagtc 420
tcggagactc cttactatca catgagcgtt gcgattacag tcattgcttc acttcttgag 480
ttggcctctg aacctatttt tgccattata cagcagtata tgttgtagag caagcgtgca 540
actgttgaga taagtgtgtc cttttcaaaa agcctggtca cttgcggaac attcatttgg 600
gctgtgcaga atgaccatac tcttggtgtg ctcccatttg cgctgggaca cctgtccac 660
gctctcataa tcttttgogg ctacttcac ggtgcatgac gtcaatccaa cagttttcca 720
ttctccgtcc tgctttcccg gataagccca aggtaggaac atcgagatta taaaaaaggc 780
cgggaacaca aggtaacagc aactagtgc gctcagcatg tacgtcaatc catttct 837

<210> 20710

<211> 646

<212> DNA

<213> *Aspergillus nidulans*

<400> 20710

cacgaatcct ttgaacctgg ccttgcaatc tctgtacaca ctcagaatat ggcgactacg 60
gtacttgtaa caggagccac tggccttctg ggccggcaag ttttcgacaa atttaagcgc 120
tccgatgcc tcaactgttg ccagggcttc tcgcgagcca acccacctac catcctcaaa 180
tctgacctg aaaagccgga tgacattaag ggacttcttg atgaagctaa gtatgtgaga 240
caatgagctc tgatatggga atgctgcatt gaaagaccct gagacaataa tcaatttcgt 300
actaacacct gttctagacc tcagatcggt atccattgta cgcccaggca cacctagaga 360
cttagaccta tgatgaacat aaattgacaa tttatctagg cgccgccaat cgatcccccg 420
atctgtgcga taaggacccc gagcgagctc gccgggtcaa tgtcgacgct actcgacccc 480

ttgcagagtt aacagcggag aggaatatct tgctagtcta tatttccacc gactacgtct 540
 tccctggcgt cgagggagag gcaccgtacg aagcagacgc gccgacaaag cccccgaact 600
 tgtacggtga gctgaagcgg gatggtgagc aggttggtgt tgaagc 646

<210> 20711
 <211> 587
 <212> DNA
 <213> Aspergillus nidulans

<400> 20711

taacactaaa gggatcattg tatctgcggg agccctccag tcgccacagt tacttatggt 60
 ttctggaatt ggacccccgag agaccctgga acgccatggg attcccgttg tgaaggaact 120
 tgccggtgtt gggcagaaaa tgtgggagca tccattcttc ggtatcactc accagggtcaa 180
 ccttgtcacc gcaactgagt tggcaatcaa ccagcaagcg ctgcttcagg cactgaacca 240
 atacaagtcc caacaaggac cgctcacttc ggctggcttt ggcgttttgg gatgggagaa 300
 acttcccaac agcacccttt ccgacagcac gaacgaagca ctggctacct tcccctctga 360
 ttggcccacc attgagtatc tcagtatcga cggttacctt aacggatggc atagtgtctgc 420
 agaccaggca acgggcaacg ggcaacaatg ggttactatt gcggtggctc tggttgcacc 480
 actctctcga ggaaatgtca ctatctccag ctctgacatg gatgaccccc ctgtgttcga 540
 cctaggtctc ctaacgcac ctcgggaccg agagattgct gtcgcgc 587

<210> 20712
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
 <400> 20712

ctctccaagg agaaatctgc gccacggcg gagccggtca aggaccccgga agagcggctc 60
 atctcggcgc gcctggctga ccggttcggc accgatgtct cgcagcctac caaggacggc 120
 ctgacgccgc tgcagatcac actggaggag tttagccgc cggaggatcat ccaccaactg 180
 ctgcacctcg gcgcgagcc gagcgctccag tccagagacg ggtcgacggc actgcacacg 240
 ttggtccggt tgaaacggta tgacctactc gagactctaa tcgacggcgc ctgcgtctct 300

gcctctgaca gcaaaggcag aacaccgttg ctgttagcgg ttgctgtggt caacgtctca 360
gcggcgtcgc ttttcatcga gtgtggagct gatcttgacg ccagggatat acacggaaga 420
actgtgctgc acctagcggc gtctcactct tcaggagtga ttctgtctat gcttctaagg 480
gcgggagcgg acgtctctgc gacggacgag gccggtcggg ttccgctgca ttacacgaca 540
tttgatctta atcttacaat ccctagcggc tttatcgcta cacacagagc tacaagaacc 600
gaccacctcg tccgatcgca caccggccga accgtcttgg atatggcggc cgagagcggg 660
aatctggatt tggtaaggga nattgatccg ggagggttgc agacgtcaac agccactggg 720
aggataactc gccgttgac gccgcccgtc ccaacagaca ccagaactt gcggaactgc 780
tcctctccca tggcgccaac ccgtgcgctc tcgactacta cgggcagacc cctttcgacc 840
ttgccgcggg 850

<210> 20713
<211> 818
<212> DNA
<213> *Aspergillus nidulans*

<400> 20713

atgcccggcc gcctcgaagg acatatcgcg ctcatctccg ggtcaagcca agggttcgga 60
cggggtatct tcgagacatt ccttcgagag ggagccctgg tgctaggcct ggacctgcaa 120
gccatcgacg gtcaagtaga gggctttcct gagaaccgcg cctaccagat cacagccaat 180
gtcgccgagg aggagacttg gaagagagcg gtaactggcc ttgaccctg tggttggtgca 240
gctctaacta tgtataccag ctggaaacca gtatcgcaag attcgggaaa gcgccgtcga 300
tcgtccatca caatgctggc tggccgtacc cgaacaaatc tgggtctagat gtgacagttg 360
aagaatttga ccgtctgttt aatgtcaacg tgcgcagtat ctacctggcc tcgaaagtcc 420
tcgtgccgga aatgaagaag aatgggtccc ggctcgacgat tgtaatctcg agcgagaacg 480
ccatccggcc aggagccacg cagacctggg acaacgcaac taaggccggg gtctcgtcag 540
ccaccaagtc gatggccttg gagttcgccc gagaccagct gcgcttcaac accatctgcc 600
ctacgtccgg gaacacgccg ctgttgaaaca agtttgccgg tattagcgat gggcctgtac 660
caccggagat tatcaaggcc aagtgcgagg caatccctat aggacgactt gttgagccgt 720
cagatgtcgc caacgtggca cttttccttg cggagcccgc gagctcaatc atcagcgggtg 780

ttgagattct ggtagacggt gcacgatgcg tgtagatt

818

<210> 20714
<211> 584
<212> DNA
<213> Aspergillus nidulans

<400> 20714

caatccagcc tcccggcagc ctattaccgc ggcggaacat cccgcgccgt cttcttcaac 60
caagatgacc tccctaagag ccgggatgaa tgggccccaa tctttcgagg agtaatcggc 120
agtccagatc cctacgggcg ccagctcgac ggcctcggcg gcggaatctc gagcctgtcg 180
aaagtctgcg ttgtcgggaa atcagcgcat cccgatgcag acgtggacta tacatttgcc 240
gcattaggaa tcagagatac cgacgtcgac ttttctagca actgtggcaa catggtaagt 300
gcggttgggc cgtatgctgt tgacagtggg cttttcgccg cacacaagga cgccgaatct 360
gcggttgtgc ggattcataa tacgaacact ggcaaaatta tccatgccac cttccctatc 420
attaatggag aggctgctgc ggctggtgaa ctagcaattg atggtgttgc ggggacggcg 480
gcgcctatta agctggactt tgtcaacca gctggatcac ggacggggaa gttacttccg 540
actgaggctg tcaaagatgt cttcgatggc gtcgaagcga cgtg 584

<210> 20715
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20715

tgatccatta gacggtacgc tcctttgctg cctccaggat gcaatgccta acctgcttat 60
acaggaactg taaacttcac ccacgccttt cccatgttct gcgtctctat cggtcttatac 120
gtaaaccact accctgtaat cggagtcatac tacgcgcaa tgctaaacca gctcttctcg 180
tcatgcctca accgcggcgc atggctgaac gaaatgcaac aactcccgt catccgcaaa 240
ccgtctatcc cacctctacc agcaactgca ccatcgaagt gtatctttgc atgcgagtgg 300
ggaaaggatc ggcgcgatat tccagacggt actctgcaaa ggaagattga gagttttgtg 360
aatatggcgg ctgaacgggg atctcgaggt gggaaggag gcatggtgca tgggggtgcgg 420
agcctgggga gtgcgacgat ggacctcgca tacacggcta tgggctctgt ggacatctgg 480

tgggagggag gctgttggga gtggtgagtc caccatagca gtagcagttg tggttgctcc 540
 agatgattaa tgacagctca gggatgtggc agccggtatt gcaatcctgc ttgaagctgg 600
 ggggttgggtt actgcgga atccgccgga ggacatagag gggccgattg agccggtgaa 660
 gctaggcagt cggttatatac tggctattcg gtatgcctct agattcatcc ttttgcttga 720
 tactgacttg ttctacagac ccgccggacc ctcaaaaaca gaaacaggtc gagagacaca 780
 agaacgaaca gtctgagaag tctggcgccg cgtccgccag ctagactatg aaagaccgac 840
 gagacaatca 850

<210> 20716
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20716

ctcaagactc ctatcatgat tggcaagaga aagactagag atattcagtt ctacagggag 60
 gctaccgaga tgcaattcga cgagaccggg aaccgaaggc gaaagcatcg ctatggggat 120
 gaagaagagt ttgaggccga gcaagaggag aggaggcgtc gggcagcttt ggacagagag 180
 ttcaaagcat ttgctgagaa gatagctgat gctggcaagg atgaggggtgt tgatgtcgat 240
 attcctttca gagaaattgg cttcaccggt gtccctaatac ggtcgaatgt tctgattcag 300
 ccaaccacag atgcactcgt tcaactgact gagcctccct tcctgggtcat cagtctcaac 360
 gaaattgaga ttgcgcactc agagaggggtg caggtaagtt aacacagata ttctagtcac 420
 tcaggcgggg actaaaatgc tgtacagttt ggctcaaga atttcgacct tgtcttcggt 480
 ttcaaggact tccacagggc accagtgcac attaacacaa ttctgtgga gaatctggaa 540
 ggtgtgaagg attggcttga ttctgtggat atcggtaca cagaagggcc tctcaatctg 600
 aattggacta cgattatgaa gacagttgtc agtgaccgt acggcttctt tgctgacggc 660
 ggggtggtctt tcctggctgc cgaatcggat tccgaagacg gctccgatga agaggaggaa 720
 tccgctttcg agctctctga gtcagaactt gccgcagatg aaagctcaga ggaggataga 780
 gactacgatg acgatgctag tgctgacgat gatttcagtg cggatgaaga tgagagtgc 840
 aggactggca 850

<210> 20717

<211> 597
 <212> DNA
 <213> Aspergillus nidulans

<400> 20717

gaggatcccc gattgaagaa aagctttttg gatatgcttt cttagaatgt ttgatcttaa 60
 tcaaccagag ataaagctaa ctatttctct aagtatcaca actgtagcaa atctactagc 120
 ttttggaacc aacctgaaaa accttcagac tcttggaaact ggaagtgtct ctttaagggtg 180
 cgttgttttag cagaaaactt tgtcaggtgt aagattggag atggaaagac tgctagtttc 240
 tggtttgata actggactcc ttttgggtccc ctaatcaagt tcattggaac agatggcccc 300
 tgtagttgag agcccccttg aatgctaagg tagctgattt atataactca gttgggttga 360
 ctctagcggc tcctagaact ggtttggcgt gtgaccttct tatctacctc tctactatag 420
 cgttgcctac tgactctgac gagttggatg cgtatgattg ggtgggtggag gacaagttat 480
 gcaatggggtt ctctcagct aagacgtggg aattctcaga ccaaggtcgg atgtgggttag 540
 ctgggcaagc acagtgtggt ttaaagggtgc aattccaaac atgtcgcttc atatgtg 597

<210> 20718
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20718

tgatatcgca attgtcttca ctggccatac tccagattgg gagacggaag ggcaggacca 60
 gataagcttc cacctaccgt ccaacgggtc ccaggaccgg ctctgtggcag ctgttggagc 120
 cgccaaccct aacaccgttg tcgtgaactg cactggcgta gcggttgcta tgccttggtt 180
 ggacaaggtc aaggcgggtt ttcaagcgtg gttcccagga caggaagccg gcaatgcaat 240
 tgctgacgta ctcaccggcg ctgtgaaccc ttctggacgt ctacctgtgt cttccctcg 300
 ggcgatcgag gatgcccctg cacacggtaa cttccccggt gactacacag acgggaagga 360
 caaccggcgc catctcgaag ttacatacaa ggaagggtgc ttcgtgggct accggcacta 420
 tgatctctct gaagccaacc gcgccaaggt cctgttcccc ttcggctacg gtctatccta 480
 caccactttt acacatgcga atcaciaaagc aagtgtctac agcaggaaca ccgtcgaagt 540
 ggccgtggat gtcactaacg tcggcacctg tgctggagct gatgttggtc aagtctacgc 600

tgggtgcaaaa ctggcagtc cagagaaccc agtcaaagag ctagttgggt tcgccaaggt 660
 acacctcaag cccgggggaga ccaagactgc caatatcaca ttcgaagtgc gccaaactgac 720
 tcacttcacg gagaggagcg gcaagtggga gctggaatca ggcgactatg aaatatcaat 780
 cggtcagtc gtgagggata tcactggcaa ggtggagatt ggtctggaag cccagaatta 840
 taaaccttga 850

<210> 20719
 <211> 714
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 20719

atatttcccg tgtgcttagc tcttgacagt cagctaatat cgaccaggat cccaccaccc 60
 gctcggaaat cgagcagctt cgggacacta ggcaagccgc agagctagag aaacgcctgc 120
 ggaagcgtga cgatcgctca gacacgtacc tgagcgctca ctaacatgga ataggcatcc 180
 agtttggcac ggccgggttg cgcggccgca tggctgctgg gttttcatgc atgaattctc 240
 taacagtcac ccaggcgctg cagggttttg ccaagtactt gcgggaaaac catggcgact 300
 ttgtacattg cggggtggtc atcggctcatg atgcccgcga caactcagca agattcgagg 360
 ttctggccgc gaatgctttt attgcccagg agattccagt ttggttctat tcagggccgg 420
 ccgttactcc ggccgtgccc tttggcgtga ccgacatgcg tgcccttgca ggtgtcatgg 480
 tcacagcgag tcatgtaagt aagctcatca ttggtaccgg agctccgggc tgactatgca 540
 acagaacca gcccaagata atggtaagct taccgagact gctgattgtt cctcctgcta 600
 acgggtcccag gctacaaagt gtcttnttcc acctccagc gtttttattn ttctcctaac 660
 atcgttcagt tatttcaaga atggctgcca aattaacttc tctatggaca gaga 714

<210> 20720
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20720

cgaccccgct aacaacggat actctccgc gaaagcggac atctgggcta tcggtatctg 60
 cctactgaat gttttatttg ctgtaaccc atttgctacg ccaaccgagt ccgacatcct 120

gtttctgat tatgttagag accgacagtc tctttttgac atcttcccca acatgtctca 180
 ggataccttt gagattctga ggatcagcat ggctctcgac gctgagaagc ggtctctctc 240
 cggcatccgg gatgcgatca tgcgggctgt atcctttacg acggatgatg aagctctgga 300
 tgaattctgt actgacgagc gcgaggtggt tcccgaagt gccaatcgcg aacccttcg 360
 gacttcctcc atccaaagtc cccaaatcaa tcaaggcgac tcctttccct gggcaaaggc 420
 gctccagtcc agcccaccac agcccattcg acagtgtctc gccattcccg acaacgagag 480
 ctactcgga gaccttttcc caccatccga aacagccggc acttcttggt tctcgggtcca 540
 tcatactccc tccatggctt cagtcttgga atcttctctc ggagactcgt atcgggtctac 600
 tgctttgcca gtgcttacia aggccgctcc tcgttaccog cctccctctg atcctgttac 660
 tattactgga tctctgcta gccaaagcgc caagcctata ccgtctctgt cgatgggtatt 720
 cgggcgaaag aacaagagta gcgagcaaat ttctaagagc tggagcgacc tttgggaaga 780
 ggaagaatct gaatacgagg atacggctct gaatcaacgg cgcgaaacaga actcccgtag 840
 ctggagccac 850

<210> 20721
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20721

actttttctt tttcgtgacg attgttaatg ccctgcccaa tgggcgaaca cgacattctc 60
 gaaactcatc tggaagtctt ttgggttctc gtctcttgag acgctgtca agggctcaac 120
 gccgtactac gccgtcagca ttgtgtgatt cctcattggt ggtgctgca cattcaaag 180
 gccgaatctg agatgtgagt ctgcccttcg gccgttgtag gatcgggcat atctaacagc 240
 gtagctgtct gcctatgctg gtagttttca tgatgatggg ctccctcgtc ccagcttttg 300
 ttggcgtgat cgccctttcc cagctcccgga cagatagcat gcaatggaca agatggggga 360
 tgtacatcat gcaggtgttt ggcaccttgc ctggcttgag tacgttctgt tctctctctt 420
 ttgtctcttt ctttctaata cattggcaaa acagtgatat ggaccttcct tccctccaac 480
 gttgctggcc ggactaagaa aactgtcatc tcaacggctc tctttatcgc ctattgtgtt 540
 ggcaaagccg ttggtgcgca gatgatggtt ccatcggatg caccaaagta taccgcggc 600

atcacggcgt gcggggtggt gtatgtggta gatttctggt caacgggggc atgcaggttc 660
tattgtatgg gcttgcccaa tccctatcat aaaagatagt gctaatatgt acagacatct 720
gggagaatag acggaaagat aggcttggtg cggagatagt ttttcggagg aggagtgtga 780
gagggctgga agtgtgaatg cggagaagga tatgacggat cgagagaatg tgttttttcg 840
gtacaagtac 850

<210> 20722
<211> 850
<212> DNA
<213> *Aspergillus nidulans*
<400> 20722

cgtgatcatc caggtcacat ccttcccagg ccatatcccc ctgctgcagt tcttcatcgg 60
tcgtgtcatc accggtattg gcaacgggtat gaatacgtaa gttgcgattc ccagttatcg 120
agcctctatt gggctgggtc taacatttgt ctacagttcc accatcccta cttaccaggc 180
cgaatgttcc aagaccagca accgtggtct actcatttgt atcgaagggtg gtatcatcgc 240
cattgggtact gcgattgcct actggattga ctttggatct cactatggcc cgcccgactt 300
ggctctggcgc ttccccattg cgttccagat tatcttcggt attatcatcg tcgtcggcat 360
gtggttcctc ccagactccc ccgcccacct catcgccaaa ggccgcattg aagaaggcga 420
atatgtcctc gctgctctca atggctgtga ggttcacgat cacgaaacct agattcagaa 480
acagctcacc ctcgactctc tccgtgcctc tggcgcgctg ggtaagaaga ctagcttccg 540
cgatctcttg actggcggac ctagccagca cttgcgccgc atgcttggtg gctcctcgtc 600
ccaggtcttc cagcagctcg gcggctgcaa cgccggcatc tactaccttc ccgtgctgct 660
taagtccaat ttgcaccaag acaacgacca ggctctcctg aacggcggaa tcaaatgaat 720
gtcttttctg gcttcgggtc cttctcttgg ttcttctcc aaaggattgg tccccgaag 780
cctttcatgg gggcttttgg gtccaaacct cagtctgat tttaaccttt gcttgtttat 840
cctggagacg 850

<210> 20723
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 20723

agaccagtct gcaggaaaga gctctgttct ggaagggatt agtggaatcc cgtttcctag 60
agaagataga ctttgcacca ggttcccgac agagatcatc cttcgccata aggaaactac 120
tcaaacgatt ataacggcca gcattcgacc ccacacttct cgtcctcaag ttgaacaaaa 180
gttgcttgca tcttacagca ggactctgga aacgatatcg gagctacctc ctgtcatagc 240
agaagcatcg aaactcatgg ggattcgtgg atatactgat gatgataatg ataattatcg 300
accctccttt gcgccggatg ctcttcgaat tgagataacc ggccccatcg gcttgcaact 360
gagcatcgtg gatctaccag gcctaataatc ggttgctagc gaggggcaga ctgaagaaga 420
catctcaact gttcataaca tggctgcaac ctacctgcaa agttctcgaa ccattatact 480
cgcagttgtg caagcaacca acgattttgc caaccaggaa attatcagac tggcacgcaa 540
gtatgatcac gatggccagc ggacagtggg catcatcacc aagcctgatt taatcaacaa 600
gggcactgag gctaaggttg cacgcatcgc gaagaaccag gatactatca agctcaagct 660
cggatacttt ctctgaaga atccaagccc agcagaactt gatgaatgta ccactatggc 720
tgcaaggtec gctcttgagc tatgcttctt tactggccct gtatgggcca gccagcatct 780
ggacatggat cgagttgggg tagataacct acgccgtttc ctgcaaagac ttcttgacgc 840
ccatatcgag 850

<210> 20724

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 20724

tcatactgag atcccttacc tgtttgatct catgcttgaa catggcgcct tgttgcacct 60
gccccagttc ttcttcgcca gcgaagcaac ctctcctgca ttttctggaa tggctcttgca 120
gtatctcatg gatcggattc acgaagtcgg caccacagat atggctaaag ctccggtcct 180
tttgaggatg ttcaaactgt cattcatggc cgtgaccctc ttctcagccc agaacgaaca 240
ggtgctccat ccacatgtct cgaagattgt caccaaattgt cttgaacttt cagtgaccgc 300
cgaagagccc atgaactatt tccttctgct gcgttctctg ttccggagca ttggtggggg 360
ccgttttgag cttttgtaca aagaaattct gcctctactg gaaatgcttc ttgagacctt 420

caataacttg ctgcttgccg cacgaaagcc gcaagaacgg gacctctacg tcgaacttac 480
 actgacagtt cctgctcgtc tcagtcacat ccttccgcat ctgagctacc ttatgcgccc 540
 catcgttgta gcgctgcgcg cagagtctga ccttgtaggc cagggattgc gaacgctgga 600
 gctttgtgtc gataatctta cggctgacta ccttgaccca atcatggctc ctattatgga 660
 tgagctgatg acggcgcttt tcgatcatct ccgaccccat cettacaacc attttcacgc 720
 acacacgacc atgcgtatcc ttggaaagct tggaggaaga aacaggaagt tcttgaacca 780
 ccctcccaac caaactttcg aacaatacgc cgacgatgct cctagtttcg acatcaagcg 840
 cattggccaa 850

<210> 20725
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20725
 gaatggacgc tgtggtctac gcttgagcaa ttaaaggctt tttagtaatt gttcctgctt 60
 tattatcagt tgcttttgta acagtagcag aaagaaaac tatggcaagt aggcaaagaa 120
 gattaggtcc taatgctgta gggttattatg atttattaca agcatttgcg gatgctttaa 180
 aattattatt aaaggaatat atagcgccaa ctcaagctaa tatagtatta ttctttcttg 240
 gtcctataat aactttaatt ttctctttat taggttatct tggttattaca tttggttcag 300
 gtttatatat atctgattat aatttaggta tattatatat gttagctggt ctttagctac 360
 atatggtata ttattagctg gttgatcagc taattctaaa tatgcatttt taggttcatt 420
 aagaagtaca gctcaattaa ttagtcatga attaattttt aagttctgta attttattag 480
 taatattatt aacaggacca 500

<210> 20726
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20726
 cgaaatacga tcctattact atccccaaca ggattttcaa agcctagtct tcctcatggg 60
 cttgctcacg aacgcgacag attgggtccg tgtaaggctc atgaaaatac tgtgtgcagt 120

gattccccgaa gttgacatgc ggcgatctga tgtggcaagt catggccctg atttgatata 180
 gcccctttta cgccttctac agaccgatct ttgccctcaa gctctgcaag ttatggacca 240
 tatcatgacc gtttcgggca atcctatgga gcgccatcat attcggatga gcatggcttc 300
 atcgacttca tcgaggggcaa tccggaaaga atacgagcga atccagagtc ttacgggat 360
 cccagaacct acgggggtggt ctatcccgat gccggcgggc cagtcagctg ttacacgaca 420
 taatgtccac gcggtattct acacatgtgc tgaagttgat cgggtagatg cgcaggaacc 480
 tgtaccgtcc gaggttgagt tccacgctga cgattacaat gacaattttt tcccaatgcg 540
 agccgatagc atgcaatcga ttgagacgca gacggatggc aacattgggg atattgtgca 600
 gaaactggat agtctggacg acttcttcga ggacacagaa tcattcccatc cgacgcttga 660
 tgctgtgcct gatatgtcat tacgtggttt cgcaggcggg tacgtggatt ccaacgcaag 720
 tatctatgac cagcaaaccg ccccgatact gcgaaagtcg ctgcgcggga cagcctcaac 780
 atcctcatct cataatgggc tcgttgactc tcgccctaca aatatgcgct ttgacgggtg 840
 tggctatcat 850

<210> 20727
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20727

tgggcgacga tgaggagag gaagaagatg atggagaaga cgataacgtc agcgtcgatg 60
 acgacgagga ggtcttga aaattgaaga aagctgatac caaggcggcg gggatatgatc 120
 cagcgcgcga tgggggcttc tcagagtcgt cgtcttcgga ggatgagtcg agcgaggatg 180
 aagatgagga agaagaaaca gacgaagacg ctctgggggg cgaggagtta gatttccccg 240
 acaagcagcg ggaggatgtg cctgttgggg aggtgacgaa tcgcattgcc gtggtcaatc 300
 tggactggga taacattcgg gcagaagact tgatggctgt attctcgagt ttcacgcca 360
 accggcggga aagtcacgaa ggttgctgtt tatccgagtg agtttgga aa ggagcggatg 420
 gagagggagg agacggaggg gcctccgagg gagatttttg ctacgcaaga cgagggttaac 480
 gatgacgagg aggaagatga ggacgaagag cttgattctg aagaggagga ggagacgatc 540
 aagaattcga tcttgaagga ggatcagggc gaggagtcca acaccacgca actccggaaa 600

tatcagttgg agcgactacg ctactattat gctatcctga cattctcgtc gaaggaggtc 660
gcgtagcatg tctacgataa cgttgatggc gcggagtatc tgtcgagtgc aaacttcttt 720
gacctccgat tcgtgcctga tgacacagac ttttcagatg accagccgcg agacgagtgt 780
gagcggattc cggatggaca ccagccgagc gaatttgtca cagacgctct caacacagag 840
agggtagctt 850

<210> 20728
<211> 850
<212> DNA
<213> Aspergillus nidulans
<400> 20728

gacatgaatg tgaatctcat ttctctgaca tcgtcgtatg cgaggcatct gcgtccggag 60
gatgtccga gactcgagac acttgcgctc gtcggtgagc cgttggctag agacgtccag 120
cgtgtctggg ccaaccgctt gacactcata aatgcctacg gacctgccga gtgttccggt 180
gtgagcacgg tcaagcgctc tgtcacactc gattccaacc cagccaatat cgggtactact 240
gttgcgggaa gggcatgggt tgtccacccc aaagaccatg agatcctcct cccgatcgggt 300
gcaacgggcy aacttctgct cgagggcgac cacctggcgc gcggatatct taacgacgag 360
gagaaaacag ccgctgctta cattttcgggt ccatattggg caccatctcc aacgccccgt 420
cggttctaca agaccgggtga tttggtgcat tttgacgaag acgggtcgat cgtcttcgaa 480
ggccgcaaag actcgcagggt caagattcgg gggcagcgag tggagatcgc agagatcgaa 540
catcatcttg ctaggctggt tcctaattgct gccggcgctg cagttgacgt cttaagcat 600
gagtatcatg ttcatctggt cgcctttctc ttctgcgata aagaatcctg gaattcttcg 660
gacacaccgg cagatattct gcagcgtctt ggtgacgtta atgtttcgac catgtcgcac 720
ataaaacagc agctggagca gggtatgcct caccatatgg tgcttaccog gtaccagatc 780
tgggctcgca tgcccacgct gctcgccgggt aagcttgatc gaaaggctct gcgcaaggaa 840
ttgggcaacc 850

<210> 20729
<211> 850
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 20729

ctgattttct cccagtcgga tacatttacc tcaagggcgc catcggttggc ccagcttgga 60
agctcccgtt tatgggaccg ttcctccagt ctgtcaaccc caaattccac gagtacaagg 120
ccaaatggga cagcggcgag ctgagctgtg tgtctgtttt ccacaagtat gtgaccaata 180
cgatctcctt ccaatccgca atgtctctaa tatgtcgacc tttttagggt tgtttgtcat 240
cgcattcact tgtgatatgg tccgcaagat cttcaactcg nctacttatg tcaagccctg 300
tgtcgtcgat gctgcgcata aactgcttgg caagactaac tgggtattct tggatggcaa 360
ggaacatgtt gacttccgca agggcttgaa caaccttttc acccgtcagg cgctttcttg 420
ctatcttcct cgcattggagg aggtttacaa tgactactac gcgcgcttcc tcaaaaagtc 480
taagaacaac aactataagc caacgccgtg gatgcccgaa ttccgtgacc tgatgtgcgc 540
cgtctcttgc cgtaccttcg tagggcacta catttccgat gaggccattg ataagatttc 600
cgtcgactac tacaacatca ccgctgcgct ggaattggtc aacttcccga tcatcctccc 660
tttcaccaag acctggtacg gaaagaaggc tgcggacatg gttcttgacg aatttgccaa 720
gtgtgctgcc aaaagcagag ctcgatggc tgcggggcga gagattagct gcattatgga 780
cgcttgatc aaggctcagt tggactctgc caaataccgg gaaaagattg ccaagggtat 840
tgaggttgac 850

<210> 20730
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 20730

aaactacccg ctttttggga ggatacagac attgcagttt gcaccattga aaaggtttgc 60
tatcgagaa tactggcatg acctcgatct gacagtgtta ggcgaaactca ttgatcaacg 120
ctgctattga ggaatgcagt attgcagaac tgggggcagt cgtgttgcat gaattgcata 180
tgcttgacga cgagaatcga ggatacttgt tggaactgat ggtgaccaag ctgcttctac 240
tgcagcagga tattcagatc attggaatga gcgctaccat ctcggttaagt gacatcctaa 300
ttacaagatg caatatctga cagggtcaaga atacggagct gttggcagac tggattaatg 360

ctagatactt tgtatcaacc tatcgtccag tgcccgtgga cgaatatctt atctatgata 420
atgcgatcta cccagccgcg acttcgagac agctctttca gacaatctcg aagctgacag 480
ccacaggagg acccttcttg agcgaggccg tgcctcccca gcgcacaatc aaaccttctg 540
ccttcaggga attatctaac ccgatgtcaa acgcaatggg agctatggca atcgatacgg 600
tcactgcagg atacgggtgct ctgggtgttct gtggcagtag agtagcctgt caagtccacg 660
ctgcgctcat aagcgaggca atgcctgata caggtagcgt tggcgagag gatctgggta 720
agcgactcga cctgctggca gagcttcgca gtcttcccag cggactggat cgggctctgg 780
agaaaacca catcaaaggc gtgggattca cagtgcgcaa gtttctgaca gcactgaggg 840
ccgatactga 850

<210> 20731
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 20731

gcaaacgcgc cctgtagcgg agctagcacc cccaatggt atatcgcaat tccgcgccga 60
cctcgacgcc gcagccggaa ttgttgctcc aggcgcaaag gcagatgctg agattgagcg 120
tgacttgctg ctccgttttg atggatatca cctggaaata ttttcaaaga cgcagactga 180
gactactaaa cgctggacat accgagtcgg agatcaagcg accgtatttc catgtcacgg 240
agttagatga aggccaatg gccaaactggc gaaagtacct cgacttcgaa gaggccgaag 300
gtcctacgc tcgaattcag ttcttgatg agagatgtct tgtgacatgc gtcattatg 360
acgagttctg gcagcgttac gccagggtga tgtctgctca gcccgggaaa gaggaggatg 420
tgcggaatat ctaccagcgc gcaagctatc tatatgttcc cattgccaac ccggcaactc 480
gcctacagta tgcgtacttt gaggagatgt gcggacgagt cagcgtggcg aaagaaatcc 540
acgaagcaat tcttatcaat attcccaacc acgttgaaac aattgtctcc ctggctaaca 600
tgtgccgtcg tcacggcggg cttgaagccg ccattgaagt gtacaagtcc caacttgact 660
ccccgcaatg tgaaatgagc accaaggccg cccttggtggc tgaatgggct cggctattgt 720
ggaagatcaa gggttcgact gaagaggctc gccagggtct tcaaagaatc agcattctac 780
ctggacagtc aggcgtcttg gacagttatc taacgtttga actggatcag cctacagcgc 840

tggtacaata

850

<210> 20732
<211> 647
<212> DNA
<213> *Aspergillus nidulans*

<400> 20732

atgtcccgag tctggcacat catcggcgcc aacaccgggc tcggccttta gctcacgctc 60
aaagccctgt ccgaggggtga cctgtgttatc tgccgtcgta cgcactctgt cgaaagtccc 120
ggatagcttg aaacggaacg actctgaaat ccaccagcct gacctctcct ggccccagga 180
agctatggac atgtatgcaa aaaaagcact cgcagcgttt ggaagatcga tgttctcggt 240
aatagtgcag gctattcgta tatgggtgca atcgaagagt ccgagtaagg accacctgct 300
tctcgacctt ctttaccag acacttcacc ccataagagc ctaaggcaga cgctaattgca 360
acctcagga cgtgcggtg aagactcagt ttgatattaa cgtcttcgcc cagctccggc 420
ttatctgcgc agccttgctt caccttcgcg gacaaggcag tggcacaatt ataaacttct 480
cttccatcgg cggctctaatt tccggcccta gtaacgggat ctactgcgcc accaagtctg 540
cgctggaggg tctaacgcaa gccctcgcgg ccgagatcgc gccattcggg ctcaaggcgc 600
tggtcgttga gccgggctat ttccgcacct ccttcctctc atccgtc 647

<210> 20733
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 20733

caatgtgcgg gacggaatgc cttagtgggg gtccttaagc accatatcga tgtccatgat 60
tgcacagcga ttataccata tcaggatacg tgaggcaagc cagacgtgcg ctgattagat 120
gagcagtatt aggaccggg ggataattgc tatttaagat ttgcacgtga gctgtgtgcc 180
gtgttaaaat tacaccatag ctgctgcttc agctcaggag aagtgggttc ttgttaatgt 240
gacctacgta caggcgacag aacataattc gctttgaatg tcccatgcgc ctgacctgct 300
tgtattgcat agactacgta gcgtccgatg gcattcccca tattacatat caggactgta 360
ctggctgact gaatttaaac cccttgctac caatgagcga gcaatccgac ctagtcatga 420

tggatggatg ccaacaaatt cgagtctgac ctgaacatca atacatgcat tagaagaatg 480
acctgattat tggccaaatt 500

<210> 20734
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20734

cactaatgag agcgttgccg actggtgcac gatcgatatt cggacgggga ggttgtctgt 60
aataactcgaa ccaggccggt gcttcgacgc ggagatttac gcagatgagg ctgatctagc 120
ggactattca caaatccgcg aagaccaaag atgtatgttt gcctgtttat aattaagatt 180
tctgactaac tggaatagtg aacctgggga aatgggtcct ccgatggctc ttcgctccat 240
tgggtggatga acttgtcaag cgtgatgctg agtaccgtgc cgaagcgaaa gcccgagcag 300
aggagatggt caaatctcat agcgtgtccg cgccagtgga tattcctggg aagttgaccg 360
tgccaatacc atcagaccgc tctgccgttc cgggacgtga ttcgattgcc agtcctacaa 420
ctcccttttag cataggctta gcaacaaccc ctggttcatt gacctcgctg gtgctcaacc 480
atggacatag ctacaacaac ctgggaatgt ctctgggga atcttacgat catttgacgt 540
cgcatcatag tgtcgatatg gctcggagct caatgtcgga taggtcaagt gactactttt 600
cgtccccgaa atcgcatgca gcgatcgata gtgacaagcc gttgcctaca ccgggcgagc 660
agacgccaac tcccgtgca gccagtgagc ctgataaaga ggagcgtaaa aagggcgggt 720
cactctttgg caagaagttc cgaatggact ttcccaagaa gctaggacgc acttcgtctg 780
aagtcaagcc ccagatccag gaggagaagg cggaggaacc agaaaagacg tcggtgaaag 840
aagagaaagt 850

<210> 20735
<211> 669
<212> DNA
<213> Aspergillus nidulans

<400> 20735

gggtcaagga tggaggcctt cacttttgcg gtttccgccc aagtggattt tccgatatat 60
gtcaagatgt atgcctaagg gaggacataa agagcatgtg aaagtctgct actaatagaa 120

atcacagtgg ttcactagaa gggaaacaga agcagatccc actctcagtt cttctcaagc 180
aacctgaatt gcgacatatc ggctctgtgc agaatcccct gtccgatcta ttcgtgactg 240
cgcaattatg gtcggagtcc aagcccctgg gggttccatt gcagacttct tacaaagcct 300
tcaagactgt tagagcctgg aatgagtggc tacagttacc gatctccatc aaagatgccc 360
ctttgagatg tcaactcgct attacgatct gggacctgtc gccgtttggg ggggaaggag 420
cgaacggcca ttacatccca tttgggtggga cgacgatacg gctgtttgac gatgatggca 480
aattaaaaac ggggaagcaa aagtgcaagg tataccggca caaggccgca gatgggttct 540
cggcgacgac gacgccatca actccatcga aaaggcgaag gggcaacaaa ccagatccgc 600
taggtccctc tccggaagag ttggagtgg agagagtaga agttttgatc aaaagcatga 660
gatggagag 669

<210> 20736
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 20736
gcagtatcaa ctctaccagc atgatttggc gcagtacatg aagctcgatg cggcggcatt 60
gagagctttg aatcttatgc ctgggccgag ggatggatca aaatcgatga gtttatttgg 120
gctgttgaat cattgtaaaa cgctgttgg gagccggttg ctggcacagt ggctgaaaca 180
gccgttaatg gatctggcgg agattgaaaa gcggcaaagg cttgttgagg cgtttgtcgt 240
gagcacggag cttcggcaga tgatgcagga ggagcatcta cgatctattc cggatctgta 300
tcggcttgcg aaacgattcc agcgaataca ggcaatctg gaagatgtag tgcgtgtgta 360
tcaggttgct attcggctgc ctggggttgt gaactctctg gagaatgtta tggatgagga 420
gtaccagacg ccgcttgaga cagagtacac ggccaagcta cgcaaccatt cggcgagcct 480
ggcgaaactg gaggagatgg tcgagacgac ggttgatctg gatgcctcgc agaatacga 540
gttcatcatc aagcccgaat tcgatgatag tctgcgcac attcgcaaaa agctggatca 600
gttgcccat gatatgtacc ttgagcataa ggctgtcgcg agagacctag atcaggaaat 660
ggacaagaag ctgttcctgg agaaccaccg cgtgtacgga tgggtgttcc gtctgacgcg 720
gaatgaggcg ggttgcatc gcaacaagaa ggctaccag gagtgctcaa cgcagaagaa 780

cggtgtgtac tttaccacat cgacgatgca atctctccgc cgcagatcat gatcagctct 840
cctccaacta 850

<210> 20737
<211> 580
<212> DNA
<213> Aspergillus nidulans

<400> 20737

aatatcctag tcagcagcaa ctttgagcgc ctctctggt ttctcgccct tcgaacaaac 60
acctcctctg actccattga ggagcgccgc aagcaagcct ctgaaaacgt cagccaatgg 120
ctctcacagc tcaaaacgga aggcggcttc accgtccgc cgcgcgtcat tgaggccgcc 180
aaaaccgaat ttgaaagcga gcgcgtagc aacgacgaga cgatcgccca aatccgttca 240
acatacaact cctccttccc gtctaacctc actcccggta gtgctacctc ttccaagact 300
ggcggctaca ttcttgaccc ccactccgcc gtgggtgttg cggcttcaact gcgctccatc 360
cagcgcaacc ccggcacgaa acacatttct cttccacag ctcatcctgc caagtttgct 420
agcgctgtag atctcgctct tcgcgccgag gacggctatg acttcaccga ggtcctgect 480
caggagtcca ttggtctcga gcagcgtgag agcagagtta cggccgttcg tgetggtgct 540
gggtgggaag gtgtccgtga gattgtcaag gctgaagttg 580

<210> 20738
<211> 517
<212> DNA
<213> Aspergillus nidulans

<400> 20738

gacaaaaaaaa aggtgaggtc aattaattat tcccccaaa aagagaaggg gatggccct 60
ttatgcgcgg cacggtagaa taaccggga gccctcccc cggttaaagg ggggtccca 120
atccggttat ggaagaatgg gccaaaggtg gtgtcataag gtccgtaggt ccgatttaac 180
gcccggcggg ccccccttt tgaaggtaat tacgctaaag cgtcaattcc taaaacatta 240
ttcaaatacc gggctaatat gactgctct gtgggcttaa gcttcaaac aagaaaggct 300
tttctcttat tttgccctgg gcagtgcgca gtgggctgaa tagcaaggaa ttgatcaccg 360
tctatgggag aaaatactgg agaaggatgt tgacgagttg cgggcagagc tagggattga 420

gaagccgcca gatatgaggg atattcggcg gatgataagg ctccagcaga agagggagcg 480
agaacaacaa caaggga aaa gctcttgatg cccttgc 517

<210> 20739
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 20739

agactctttt gcatgatgcc gagatccacg gcagcagtgg cagtcttcag cccgaagaaa 60
aaggaaacga tcccgcgggg gcacggaaca gagggaaatg tatgtccacg ctctactcag 120
ggccccgagta agctcatact gacaagggtg atagcgaccc aaaatgcgtc aaatcagaca 180
cattccgata aagacacaat actgagactc caagctctga acaacactca agcggccgag 240
ttcgagccca ccgtcttcgt gacctgggac atgaaagatc tcgcaaaatt gcctagcata 300
ctaaaaaggc taatacaagc ctacattgcg actgcgcgac agatagtctg tgtcgagaca 360
gacgttgctc tgctcacaca tcttatctc tacttcaacta cgtcagtccc gagcgccctc 420
taccttttcg ggcttgga aa cttcacctgg gtccacggca tctgcactg gattatgcaa 480
tctactatg taggcacgta 500

<210> 20740
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20740

agggcagcaa gaaaaagaag aaaaacaaga acggtgactc tggttcaccg gtcggttccg 60
ctgctgcaga gaagcctatt gttaccttta ccccgacga cattgtgaac atcgccccct 120
tggtaagga tgcctctcca cggagttcgc ttgctgagga ggctctagaa gcgggcccga 180
tctctctcat gcagaaccag aaacagcttg gccaggagct catcttggag tctctgtctc 240
tgcatgagca gatctatggt attctccacc ctgaagtcgc caagttatat caccagctgt 300
ctatgctcta ctatcaaca gacgagaagg atgctgctgt cgagctggct cggaaggcag 360
ttatcgtcac cgaacgcaca cttggtgttg actccgccga caccatcttg agctacctca 420
acctcagtct ctttgagcac gcttctggaa acaccaaagt tgcgcttgcg tatatcaaac 480

acgccatgga cctgtggaag atcatcttcg gttccaacca cccggattcg atcaccacta 540
tgaacaacgc tgcggttatg cttcagcact tgaagcagta ctctgactca ggaagtgggt 600
cgaggcatcc ttgtcagtct gcgaatcact cttcggcaag cagtccatca aactgcaac 660
aattctcttc cagcttgccg aggcactggc ccttgaccaa gattctaagg ctgctgttgg 720
gaagatgcgc gatgctgaca acatcttcct cagccagctc ggccccgaag accgcaacac 780
caaggaggcg gagacatggc tcgagcagct caccgagaac gctgtctcca tcgccaagca 840
tgccaaagat 850

<210> 20741
<211> 573
<212> DNA
<213> *Aspergillus nidulans*

<400> 20741
ccgatccgca catctcgcaa tcgcaagcca cccccagcgg gcttcgacga tattgaagac 60
actttgttag agttcagcaa taaaatgaaa gatgccgaga atgcgccgca tgaggggaaag 120
aagaagcacg aggtcctgtg gcctatcttc cagatcactc accaacgtca gtatctttat 180
cctagtcttc atacaccatt caaagttcca actccctgaa cttacctgaa ccttatcaat 240
ataggctcaa gatacattta cgatctttac taccagaaag aggctatatc gaaacagcta 300
tatgaatggc tcttgaagaa cgggtatgcg gatgcgaact tgatcgcgaa gtggaagaag 360
caagggtacg agaaggtaag ttcttcgctg ttatcactcg tcgcaatata tatgaggccg 420
gactgacaaa cttctcagct ttgttgtctc cgctgcatcc aaaccaagga aaccaacttt 480
aacgccactt gtatttgccg ggtaccgaag gctcaactaa aggaggatca gatcatccag 540
tgtgtcagct gcggatgccg tgggtgcgcg agc 573

<210> 20742
<211> 306
<212> DNA
<213> *Aspergillus nidulans*

<400> 20742
cgctaaaagt ccgatactc acgctcgtgg cgggaggata cagtcagggc tctgcggtta 60
ttgacaaatc aatccagaag ctcgatgata gtaccagga tcgagtcaag ggtgttgtgc 120

tcttttggttt cacgcggaat ctccaggata agggccagat tcccgggtac tccaaggatc 180
 agacgaaggt gtactgtgca gtgggtgact tggctctgctc tggcacgttg attataaccc 240
 gcatcgcata tgacctatgg cctgaatgcc tgagatgcac tgaagttttt ggcaagccaa 300
 gtctca 306

<210> 20743
 <211> 380
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20743
 cctaaccgcc gactgggtgc caatgggtgcc gcggagatca aatctcacca cttctttgcc 60
 aacatcgatt ggcgtaagtt gctccagagg aagtatgagc cgagcttcag gcccaatgtg 120
 gtatgtagca attctgcgcc cctagagata atcatcggtc agtactaaca gctatatagg 180
 ctgatgcccc cgacactaaa aatttcgatg ccgagtttac atccgaggct ccaaaggatt 240
 catatgtgga tgggccccatg ttatcttcga ctcaacaaca gcaattcgag ggggtggtctt 300
 acaaccgtcc cgttgctggt ctcggcgatg caggcggcag tgtcaaggat ccatcattcg 360
 ccagtatccc tgaggattct 380

<210> 20744
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20744
 taccagaaa ctcttgaaac cctctacaat gccgtgaacg ccatggatct gtctccgatg 60
 ccgaaactga acctgcttga gcgccagata ctgcaagcta cgaacagcaa agacatgttc 120
 atcgagaagt tcgagcagat ggtccagcag cgcgcgattg aggacggcga gaacgacatc 180
 gatgaggata atccaccctc cccgagaagg ggcactgctc cccgttacac cctaccccga 240
 gatacccacg agtttgagtc taagattatc tataacgaca ttcccatccc tgtaaaggta 300
 cccacggtga tctggcctga gatcgtgggc gacttttcgc tcgtcaagct catccagatt 360
 ttctctgcac cacatgctgc atgcctcaa ccgtttctc ttcactctca cttgaccacc 420
 agtggggccac ttaccacccc aattatcgtc ctogtcaatg ccatgctgac ccagaaacgg 480

gtcgtcttcc tcggccacaa ccgaccgtcc ggagaggttg cagaagcagt gctagctgcc 540
 tgtgcactag catctggtgg aatcctgcgt gggttcaccg gtcatgcctt tccctacacg 600
 gatttaacca agatcgacga tctactgcgc gtgccaggat ttatcgcggg agtcacaaat 660
 cctacatttg ctaatcaccg cgagtgggtg gatgtgctct gcgatctgcc tacgggtcga 720
 atcaagatca gtaaccacat agaaccggct ccggtgactg acggccaact atacttccag 780
 cagcagagcc cagttagcgc gtccggcccg aatgccgac ccacagggga caacctgttc 840
 aggaggacct 850

<210> 20745
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20745
 gtgggctgac ttcagtctac aagactatat ctggaatacg acggacttgg gtgagacatt 60
 accaggctat atccacaggg gtgagcccaa tgttgatata ctcatctgta caccgggtcg 120
 cctcgtggac catattcgct atacaaaagg ctttacattg aagcatcttc agtgggtcgt 180
 cattgacgag gctgaccgat tgcttaacga gagctttcag gagtgggtgg atgtcgttat 240
 gcagtcctct gatgcacgca aggcgtacgg ggctttcgga ccaagtggac ggttcctggc 300
 ggatctcggg atgtctttgc agactaaaga gcctaggaag gtggtcctca gtgccacaat 360
 gaccaaagat gtctcaaagt tgaactctct ccggctcacg aatccgcgat tagttgttgt 420
 tgggtggtct gatcaaacta ctacagccga tgatgagagc ggggttggtg tccacgcaga 480
 tgaaagattt actcttccga cgacactaag agaatactcc attgcggttg gtgacggaga 540
 gcacaaaccg ctgtatctct tgcgcctgct cttatccgag atgaaacttg atgttccctc 600
 ttcaacaaaa cgcacagctt cagttacgtc tgaatccgat gataccagct cagaaggaac 660
 cagctcggac gagtcgacgt cagacgactc atcttctgat gagtctagct ctgaagattc 720
 cgacctggat tcatagtctg acgcatcgag tgatacctgc tcgagcgaag aatcagacga 780
 ctccggacaat agctccgaat cagcgtccga cgacgataga cttgtgatgc accttccacc 840
 tcacgccccca 850

<210> 20746

<211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20746

```
gttccggaac aagaaaatca cgtccctctt ccagaatcag gactcaagcg aagacaatcc 60
tcaactactg atctcgagtc ggacatcaag cgtcgccgtc tcagcaccca gaacgatgac 120
caagattcag aagaacctcc agcgcgcaga caatcgtcgc cgaaactaga agttcaggac 180
acagaacgaa aacgcaaccg ccgagatgag gaaaggaaac gtggacagcg gttattcggc 240
tctctgctag gaacgctctc acagacatcc aattctgcgg cgcaacggcg gagagctgat 300
attgagcgga agcagcagga taagctaaag ctgcaagatg aggagtatgg ggagctgaag 360
aagaaaaggt gggaggagcg gttgctacgc gcaaaaagga gcagaagtca tacgagaagg 420
agatggtgag tctcaactac gcctgactgc tgacgacttg ctaatgtata ctcggttttt 480
tagatgctta ctgccacga gaaccttttg gcgatggctc actctttaa aacaaagcga 540
tcgcctgcat tggatggtc atcataccga atcgtctttt tgattttcta actggttcta 600
tagtactata aaccatggca gctgcggcct gaagaggaag atattatata ggatcaggtc 660
cggaagccg aggccacaat cgcacgagaa gtggaggaat tcgatgcgcg caatgcacaa 720
gaggaccagc cagagaccga taggcaggaa caacctgaag aagctcagga gaaactagag 780
caacaagagc ccagtcaaga tgcgcaaac gacgaggcaa aggaacagga ggagaaagta 840
caagctgagc 850
```

<210> 20747
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 20747

```
agcgcacact gtatctcatc tcattctcag catagcttca atacacctta gcctccacgt 60
tcaacatcaa cgtttttcaa ttctcgacgt cttccatgta ttgatcactc aaaatgggaa 120
agaagacatg gagaatgctt ggtaaggagc ccaagctccc atagacaact cgtctttgag 180
tataactcat cgctattcgc aaagaacaac cccaatgtaa tgaaccagtt ggcgacgaag 240
ttgggtctat cgtccgagct ccaattctac gacgtatatt ccttgaatga acccgagcaa 300
```

cttgcaccaca ttccctcgacc tgccttttget ctgctggctg ttattccgct tacaccagct 360
 tgggatgaaa gtcgcaaggc cgaggacgct gacaaagaac cctatactgg ttccgggact 420
 gatgaaccgg tcatctggta caagcaaacc attggccacg cctgcggtatt gatcgggtctg 480
 ctccatagct tgtttaacgg 500

<210> 20748
 <211> 547
 <212> DNA
 <213> Aspergillus nidulans

<400> 20748

atgcagaggt ccaagatact gacagtaaca gcatcttctc ggtccagccg agtacatcag 60
 ctcccttccc tccaagggag ttcgggaggc cttcattgag gggctcaatg tctggctcgt 120
 cttgcccgcac caacgcgtga acgaactgaa gagtatcgcg cagagcctac ataacgcatac 180
 tctcatgtat gtcttttctc agaccacata gccttctcac aagcaccocg ctcaagagca 240
 cacaggcttg acgacatcga agaccattca cccctccgcc gcggccgtcc ggcaacgcata 300
 acgatcttcg gggcagagca gacgatcaat tcggcaaatt acctcctaata cgacgcgatg 360
 cagaaagtgc gggctctgga tgaccocggtc tgtttgata tctacctcga ggagatgcac 420
 aatttgtttg tgggacagag ctttgacctc tactggacga ggcaaggaca gtgtccgagt 480
 gaggacgagt atctggccat ggtgaggttg agtacgtatt taagccggcg tatgattgtg 540
 gaggggtg 547

<210> 20749
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 20749

ccctgtaaaa cctgggggttt agttaaacac agctaacgca tgaggcaccc gcagtccccg 60
 gctcatcgca gcgctttatc accaaatcgc gctctcttac ggctgattgc gtcgcctacg 120
 acctcgaaga cagcgtcacc ccgcacaaga aagccaaagc gcggtcgctg gtgcggagag 180
 ccctggatga gcccgacccc ccagtatcc gcgagcgcgc agtgcgcat aactcggtcg 240
 acagtggact ggcaactggcg gatctgacgg aagttgtacg tcgctgcaca tgccgtaagc 300

tctcgctgtc tagctagata gctaataaac tgtgcagctc aagtctccaa atctctccac 360
aattgtgata ccgaaagtta actccgcgtc gcacctgacc ttctgtcaacg atgtaataac 420
acaaacacaa gccagcaag aagcgcaggg tctgtgctgt aacgaaatca cccagctcgc 480
tcttggcaat ggatgagtc 500

<210> 20750
<211> 567
<212> DNA
<213> Aspergillus nidulans

<400> 20750

gggttaaata acaaaggggt ccagcaccca cctctacaca caccttcgaa accgcttccg 60
acgcctgcga tcccatcccc aacgacgtgg acacacccca caagcctgcc gaacccgagt 120
tacctccgca cccccgccac caccacctgt caccgcgtcg gcacgctgac tttatgctaa 180
acccttagga ccaacacacc tccgatacag gccacagacc acgtgcagcc tccagtctat 240
ctaccgacta gaggcaacct ccgagcaacc catcgccgag ggctcgcaaca cagccagccg 300
taccacacct accaccaac tcttcgttac ccactcctgc cgaactaatc accccagagc 360
cttcccgccc cctcttccgt aacaccgccc accccccta cccccacc accagcggca 420
ctatcggtcc cctcgtcgtc tcttcagaac ctccaacctc tactccccctc ttccctacac 480
cacctggaac tctcactacc cttagcacac ctccctacta aatacacgcc attcatcacg 540
ccctgctccc cgtcaccccg gactccg 567

<210> 20751
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20751

ggagtcggcg catatggcgt tgtctacact gccgtggata ttcacacgga tgtgctctat 60
gccgtcaagg ccctcaacaa gaccgggcta gateccccgc agctcaagtt ccagcagcgt 120
gagatcaagc tccaccatat ggccagccag caccctaatg tctgtctctc agtgcgatt 180
atggactcgg acgactgcac ctatgtcgtc atagaattct gccctgaagg cgacctgttc 240
tctagcatca ctgacaagag ccactttgtc gggaatgata ccttgggtcaa gcgtgtcttt 300

ctccagatct tggatgccgt ccattactgc cactcgctgg gaatctacca tagggacctc 360
aagccggaga acatcctggt caccgaccag ggaatgacgg tcaagttggc cgattttggc 420
cttgccacga cggatatgtt cacctcggac tttggctgcg ggctcgacatt ctacatgtcg 480
ccagggtacgt cttcgttttt ctgccttgca gtctcggcca atgctgacct tagcagagtg 540
ccagcaaaca aaccctcgcc caatgtcgta ctaccagtcg gctccgaacg acgtctggag 600
cttgggtgtc atccttgta atttgacgtg cggccgtaac ccgtggaagc ggcctcgat 660
cgaggactct accttcgcg cttacctgaa agaccctttc ttcctgaagt caattctgcc 720
gctgtcggat gagatggtct gtatcctcag ccgtatcttt gagcccaacc catcaaagag 780
gattaccatc ccggagttgc gccaaatcat tctggagtgc cctaggttca cgcttaaccc 840
aatgaccctt 850

<210> 20752
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 20752
aagtacggcg agaacaaggc gcagacatgg tctttgatat cacgcagaca gacaagatgc 60
cggagttcgt aaaagaaatt actgcaaagt atccggatat cgacagcgtc tacctcaacg 120
ccggtgttca gcgtacacac gatttgacct aggaaggggg atgggatctc gaggcgttca 180
acaacgaatt ccacacaaac tttacgagcg cggtttcgct cgttcatgcy tttttgccgt 240
ttttgaaacg caaagccgag acgcagccgg cgagctttat cttgtatgtt tcatcgctgt 300
tacattggat gttgggacta tgcaataaa ctgcttggtg tacagtaccg gaaccaacct 360
tgcgattgtc cctgcggctc cgatgccagc ttactcggca tcgaagacgg ctctgaatgt 420
gtttgtcttc tctctgcgtg agcagctgaa acagtcgagc aagctcaagg tgatcgaagt 480
ctcgctcctt gctgttcaga 500

<210> 20753
<211> 459
<212> DNA
<213> *Aspergillus nidulans*

<400> 20753

ctacgctaac aactactggg tttgtctatc ccttccgata ccactcccc aatatctgaa 60
taticggcaac aaaccggata ccctagcact ccacttcag cgtcttaac atctcgcatc 120
gctaacaacc actattagta caacctgaac tcccgcgctc cgtcaatccg cttcgggtacc 180
ggccacatct acaacaacta ctacgaaact gtgagcgacg gcatcaacac ccgtatcggg 240
gccaggttc tcgtcgaggg taacgtcttc gtcgacagca agaaggccct ctactcgact 300
gacgaaggat acgccgtcga gcgcaacaac gactttggtg atgccaagaa cgaggccctt 360
gagggaaacc ttacctcgt tgaatacgag tacgacctcc ttgatacctc tgaggccaag 420
agcgctgttg ttggaactgc tggtcagacc cttactttc 459

<210> 20754
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 20754
gaagctcgta agggtaagtc atccaacggc gcgaattata tggcgccaga ataagctgat 60
ggtttatctt gcagcacggg acgaggtttc tcaaataaat tccaagctca acggccttct 120
caggagatc ggcaaaaaga agaagggtcg ggctcttatt tcagcttttc aggagactac 180
tctcactgac ctctgagatt atctagaaca aggaggacgc aaccagtctt ctggaggaga 240
aggcaaagtt agagagtcag cggaaagagg cagagagtgt tgccttgcag aaggaggatc 300
ttagggacaa gaagattcga acgatcggat aactacgttc atgactcagt ccctgtcagc 360
aataatgagg tcggtgatgc cctgctggaa atgtcgaaac ttgactgac gatctcaatt 420
ggattctgta ggatgataat tctgtcatca gaacatggtt cccggaaggc ttcgttgctg 480
agaaacccaa ttgcctgtcg catcatgagg tctcactcg gcttgacggg tatgaccggg 540
agcgtggtgt caaggttgtt ggccatcgtg gatactgcct aactggctac ggccctttct 600
tgaaccttgc gcttgtaac tatgggctgg aattcctctg gaaacgtgga tataagccaa 660
accaaccgcc tcaattcatg cttagagaga tgatggcaaa gactgccaa cttgaacaat 720
ttgatgagga actctacaaa gtcacggaga gcgaggacaa atctaccgac aagtatctca 780
ttgctacttc ggagcagccc ttatcagctc tacatgatag tgaatggctc caagacaagg 840
atcttccgat 850

<210> 20755
 <211> 710
 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
 <400> 20755

tggccatggc tgaagtcaca gagtccttcc aggggcgctcc ggtcctgatac aagcacaaat 60
 cgtttgcgtt cttccacccg gctgcattct gtatagcgca gattgccgca gacataacctg 120
 ttcttatttt tcaagtcacc atctttgcgc tccctgtgta cttcatgggc ggccttgaga 180
 tggatgcggg tgtgttcttc acgtattgga ttctggtatt tgcgacaaca atggtaggtc 240
 aacttacgct atgtcattat tcccgtatgt taacgtccgg caggcgatga ctgctgtctt 300
 ccgagcttgt ggtgccgctt tcaagacgtt cgatgacgca tccaagggtt cgggtttcct 360
 tatctcagct ctcatcatgt aacttggtta catgatccga aagccggaaa tgcaccctg 420
 gtttgtttgg atctactgga ttgacctctt ggcgtacggc ttcgacgctt tgctatctaa 480
 cgagtttcac ggtaagatca ttccctgcgt gggcaccaac cttgtgcccg ccggaccagg 540
 atacgaaaat gccactactc agtcgtgtac tggcgttggg ggttccatcc ccggtcggaa 600
 ttatgtcacc ggtgatgact accttcgcaa ttctttcgga taggcacggc cacctntggc 660
 gtactttcgg attcttttgg cttgggggct ctatttggtg ggtggcacta 710

<210> 20756
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
 <400> 20756

tcaactctat cgcagcatat tgtgccctgg ctgactgatt gcctcgtttt aacaggatgg 60
 gccagttgga atgtatgtac ttgatcgatt ccaagccgat cgtccgaaca aggcagctaa 120
 tgcgggcgga tatagatagg catattccta tgcagcgat gtgcagcctt gcacaggaag 180
 atgggaacgc acatttcgaa ggtcaaactc ttgagtatgg acagctgggc ctcagatcaa 240
 gtgatgtga gccatccggt ccgaccgcac agacagaatc agacggctaa cgagtagact 300
 cgctagaaca tgaaatcgcg tggaaacatc ctcgtgaaca agatctataa ccccatgaac 360

atccaaccgc ccgccctac tgatatcgat gaatgcgatg catgcattgt gcggtcatt 420
 cggcaaaaat accatacaag gacattggaa gatgggaagc caaagccacc aagccgacag 480
 gaccctagct atacacgatc gccggagggc tcaccttcgc cggtgcctcc gaaaccttac 540
 cggccgtttg ggttcggtct tcggtctgcc tcgtctgctg tgaacctcaa cagccattct 600
 gctggcagcc atggcccaga ctgcctgtt agcgattcga gtcgctcgtc atttgagtcc 660
 aagctcgcca agctgagggg tatgggattt acgaatgagc gcaggaatac caccgccctt 720
 cgggaactgg atgggaactt tgacatgaca gtggagacac tcangaggct tggagaagga 780
 tggcaacaca catgttcgga cgcatctgca tnggcgcata actaatcctt cgatcagtga 840
 tgccaacacc 850

<210> 20757
 <211> 748
 <212> DNA
 <213> Aspergillus nidulans

<400> 20757

atggctcttc accagtaaga ctggattctc gcctgggta caatcttcgc cttcctcgac 60
 gcctggaaca ttggcgccaa tgatgtcgcc aattcgtggg ctacctcggt ctctcccg 120
 tccgtcaagt actggcaggc catggtactg gcgacaatca tggagtttgc tggagggtaa 180
 gttggcgctc ctccactagt catcacggat gaccagtact gactcttcca gtatcggcgt 240
 aggcgcaacc gtatcagaca ccatccgcac aaaggtcgtc gacgtcgatc tcttcgaaaa 300
 caatccagcc ctctcatgc ttggcatgct ctgcgccctc gtcggctcct ccacctacct 360
 caccttcgcc acccgattg gtctgccggg ttcgacgacg cactcgatta tgggtggtgt 420
 tattggcatg ggtgtcgcg tcgtcggcg cgatggcgtt aagtgggtgg gtggaaatat 480
 caattcgggc gtcgtccagg tcttcctcgc ctgggttatt gtcctgttta tttccgcggc 540
 ctttgcagcc attatcttcc tgctcacaaa gtacctgatt ctgctgcgca gcaatcctgc 600
 tcgcaaggcc ctctacacga ttcccttcta tttcttcgtg acctgtacct tctcgccat 660
 gctcatcgtg tggaaggcg gtacgagtcg tatcaagctt gagggcaacg agattgcagg 720
 gacagttgtc ggtaccggtg ccgttatg 748

<210> 20758

<211> 542
 <212> DNA
 <213> Aspergillus nidulans

<400> 20758

```
atccacgcga caagcaagtt aacagcacgc ctcaaggaac tcgccgagct cacagagtct 60
cctccagcgg gcataacagt cgaactcgcg aacgaatcca acctctatga atggaaggtg 120
ttcatggatg gtccccgagg ttctccctac cacgtaagtt gcacctcttt ccctcagcca 180
accctgcagc gattcaagaa cgGCCAAAGT gaccttatgt tcatatagaa aggccgtttc 240
gaactaaagc tcaccctccc caccgagtac cccttcaagc caccaagcgt ctcgttcgtc 300
acgaaaatTT atcaccccaa tgtaacgaac gacgacaaag gtagtatgtg tctgggaatg 360
ctgaaagcag atgagtggaa gccttctctc agactttccg ccgtcctgga gtttgcgcg 420
tcgttgctcg gcgagccgat gccggatgat gctgtcgagg gacgcattgc ggagcaatat 480
cgtgaggacc gaagcgatat gaagagattg caagggagtg gacgaggaag tacgctggtg 540
gt 542
```

<210> 20759
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 20759

```
ttcaaacagc aatctctact cagtctcttc atactcactc cataacacat aatctcataa 60
aacaagatgg caaccaacca agccgcgtgg ctcaccaagg caggcaatga cctcgaagtc 120
ggatgatgcc ccgtccctac ggctggccca ggcgagattg tggttaagaa cgccgcggtg 180
gccatcaacc cactcgacac ccatatgcag gacgtcggcg tctttgtcca gcagtggccc 240
accatctttg gctgcgacgt cgccggtaca gtgcatgaga cgggtccaga cgtcgagcgg 300
ttcaagaagg gggaccgggt tattgggtaa gttcatggcc attgacttgt cgtttggtc 360
gtgactgact ctgatattgt agtcacgcca tcaatctggt caccgggcgg cctcaggatg 420
gtgcctatgc tctctacacc gtcgccccg ccaacaaggc ggctatcctg ccggacgcta 480
tctccttcac cgacggagtc 500
```

<210> 20760

<211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20760

```

gcgctcgtga ctgggcgcgc accactgggt caagagaccg ctctcgactt tcaaaagaga 60
tatccgaagg ttgctattcg gcaggcatat ggtaggtcat cagcttcatg agtatgaccg 120
atagattact gatttcgatt cacaggcctt accgagacat caacggtcgt cacggccaca 180
cactttgatg acatcgtgcc tgggtcttcc ggttggctta tccccggcgt agaggcacgt 240
atcgtgaccc cagaagggga ggatattacc aagtatgaca cccctgggtga gctctgggtc 300
cgagctccca gcgtcgttct tggctatctc aacaatgaga aagctaccaa agagacgttt 360
ggcgatggat ggatgcatac cggatgatga gccgtgattc ggaagagccc caagggcaat 420
gaacatgtgt tcattgtcga ccgaatcaag gagctgatca aagtcaaggt tcgtagcaat 480
gtacaggaaa gcatgacccc ccgataacta acctgcgtgc tagggtcacc aagtcgctcc 540
agccgagctt gaagcgcata tcctcaccca cccagcgggtg gcagattgcg ctgtcatcgc 600
catccccgat gacgctgccg gtgaggtacc taaagcaatt gtatctaagt cacctgaggc 660
gggaccagat gacgaggcta cagtcaagtc gatcgtcaaa tatgtgcagg atcataaagc 720
gcgacacaaa tggcttaagg gtgggtgtgag attcatcgac actgttccca agagccctag 780
cggaagatc ttgcgacggc tacttcgtga ccaggaggcg gctatgcgca gacaagcagg 840
ctctaagcta 850
  
```

<210> 20761
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20761

```

gctaccccag cgagtctcga atggtctcaag cgcccaaaca gcaggtgtgc aaccggacga 60
tctcaagact atacctttga acaaaagccg agtcgagaat ctcatgcata tgctacttcc 120
attcatcaac cacgtccttg gccacccgca agtcctgcaa gctcccgttg aaattcagag 180
agagctcgcc gacgagctgt accgctttct cttagctcat gtcgaacata ttcgggcaaa 240
cctaacgcga acaaggataa atacactgtc cgccagcagt ggccaccagc tccgccaact 300
  
```

tacatattac cgctgggttc attccatcgg gtcagcggac accagctgtc cctcgcagc 360
 agttttcttc ttgtgcctaa tcagcaagca cgggagcttt tgcttcacgc acccgaaggc 420
 acagtacctt agtcgaaccg tggctcacca tttatctgtg atctgtagac agtataacga 480
 ctacggctcg gctgttcgcg atcacgaaga agggaatctc aacagtcttg attttctcga 540
 ttttcaacaa gaggcacagg caaatggtgc agtatctgag ctcaggacgt caaacagtgt 600
 ttgcccttcc gtctcagata cgcagctgtt cccacgagct gcatgcacgt cgcagagtgc 660
 aaaagatagc cttatggaag tcgctgagtt tgagcggagc tgtatggagc tagccctgca 720
 gcgactggaa gatgccgcat gtacacttga cgcgctcaag caatttaggg tgtttgtcga 780
 tgtcacagat ctgtttgggc atgtttatat cttgaaggac ttgacaggta aagttcatcc 840
 ggccgcgtaa 850

<210> 20762
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20762

atccagtccc gcccttgctt gctctcagga ttattttata ctacactcgc agctcagctt 60
 agagtccaac gacccattgt gtccttccca tccatggtcc tattcataga cgctactttc 120
 tagcagtctg ctgccgaatc tggtaccgca atgggtgaaa gcaagagact cagcagcagc 180
 tcccgcccag gccaggacga gagcgagaag atccaggaag tgcagtacca gaccgcgagc 240
 cgacagaatt cgaggataga tcaagatgac accacattct ttgacgaaat caaccctgga 300
 ggaagggctg agttgactcg tattgcctcg aactttgccca ggcggacctc tacagcggca 360
 tccactacta ccgggaaggg cattgagcga atggacactg tcgacgagat gacccttgag 420
 gatccggcat ttgatccac aagcgatcag ttcaatcatt acaagtgggc ccgtaagatt 480
 atgaaactca tggacgagga aggtgccct cgacctcgt cgaccgggat cacttttcaa 540
 aatctcaatg tattcggtc ggggtcagct ttacagtacc aggataccgt ggtctctctg 600
 ttgactgcgc cattgcgcct ccacgagctc cttttcaagc gagctcctga aagacacatt 660
 ctgcacgatt tcaacgtct gatcggtagc ggtgaactct tgattgtcct aggacgacca 720
 ggtagtggct gttcaacctt tttgaagtca ctatgtggcg aactcaatgg tctgaaacta 780

ggcgaagggt cgcacatcca gtatggaggg ataccgatga agacaatgca taaagaatat 840
aaggagagg 850

<210> 20763
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20763

gattctcaaa tgtgcgttct tcgaggctgt cgtgggctgt gctgtttatg ttggcaccac 60
cagcctggag cagtatatcc tacctctaata ggttcagtca atgacagatc cagaggagtt 120
tgttgttgaa agagtccttc gctcgttgc ggccatggcg gaccttggtc ttttccagag 180
accaccact tgggatcttt tacacgccac tgtgcgtttc ttagtacatc caaacgcctg 240
gatccgagaa gctgctgtca gcctgggtgt caattcaacc aaatttctat ccacggccga 300
taagtactcc attctcacc cctcgttcg cccgttctta aagggtgagta tcgtggattt 360
ctccgaagga gacatactcg atgctctgaa aactccactc cctaaagcct tgtatgacca 420
agcgtttgtg tgggcatcgc aagctgaaaa gggatttttc tggaaagtctg tcggtcgaga 480
tggtgcttct ctgggtagcg ttgatgcagc gtttcagaag agggcatcaa aggccttctc 540
cctatccgcg caacctaaaa atgatgagga cgagcaatgg atcgcgaacg tgagggcatt 600
aggattgacc actgaggacg agtctaaatt gctcgccttg agggagcaca tttggagggg 660
ctccatgcgt caaaccaagg atcatgagag cgcaggggct tcgttgaata acgtgggttc 720
cttaatcgat tatggagtta cccccaaac agtgttcttt gacaaaagcc aaaacgtcaa 780
ggcgcaaga aatcacgaga atcctgtcgg gaggccgcaa ttaaccgag ccgaagatag 840
taaggcacat 850

<210> 20764
<211> 850
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 20764

tcggaacatt aaaaaacttg acttgatga gcttcttgct cgatcactgc gcctagtatt 60
tacgagatgg acgatgtaaa gaggtgatct tgctccagct atttggtggc ccaaccaagt 120

ctccccaaaa ggggtgataat ccacgttacc gtggcgatat caacgtcctc ctttgtggtg 180
 accccttcac atcggaatct caactgctcc gatatgtgca caagattgcg cgcgaggtg 240
 tatacacnca gtgcaagggg tcatcagccg ttggtcttac tgcttacggt actcgtgacc 300
 ccgaaacccg ccaaattggt ctggagtctg gtgctttggt actgtctgat ggaggtgttt 360
 gctgcattga cgaatttgac aagatgaacg aatcaacccg gtctgtcttg cacgaagtca 420
 tggaacagca gacggtatct attgccaagg caggtatcat caccactttg aatgccagga 480
 caagtattct cgcctcagca aaccaattg gcagcagata caaccgaac ctgccggtac 540
 cgcagaatat tgatttgcca cctacccttc tgtctcgttt tgaccttgta tatcttgttc 600
 ttgaccgctg ggacgaatcg gaagatcgac ggcttgcaaa gcacattgtc aacatgtatc 660
 tcgaggatag accggagAAC gcgagtgagc gcgaggtttt ggtaagtcaa cgcgggctga 720
 tattcggacc tatccattgc tgacttcatg aatctacagc cggttgagtt tttgacggcc 780
 tacatcacct atgccaagac caaggtgcac cccgttctta ctccggccgc aggtaaagcc 840
 ctcaccgacg 850

<210> 20765
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20765

tcaccccgac aagatcgcg accagatctc cgatgccatc ctcgatggta cgtctacaag 60
 gattcactaa agtaaaagag tagatgctta cagagaaatc agcttgtctc gctgaggacc 120
 cgctctccaa ggtcgcttgt gagaccgcca ccaagactgg tatgttatct agccttgcc 180
 gaccgcataa ccgggtgcct tgctgattcc tgcaggtatg attatgggtt tcggtgagat 240
 taccacccag gccagactcg actaccaggc catcatccgt ggtgccatca aggacattgg 300
 ttacgatgac tccgagaagg gttttgacta caagacctgc aacgtcttgg ttgctattga 360
 gcaacagtcg cccgatattg ctcagggtct ccaactacgaa gaggccctcg agaagctcgg 420
 tgctgggtgac cagggtatca tggtcggtta tgccaccgac gagaccctg aactccttcc 480
 cctcaccctc gtcctttccc acaagctgaa cgctgccatg accactgccc gcaacgacgg 540
 ctccatccct tggctccgtc ccgacaccaa gaccagggtc accgttgagt atgccacga 600

caacggtgcc gtcaagcccc tgcgtgtgga caccgttgtc gtctctgccc agcacagcga 660
 tgatgtgacc accgaagagc tccgcgctgt catcaaggag aagatcatca agaaggatcat 720
 ccctgctgag ctcccttgacg accgcaccgt ctaccacatt cagccctctg gccgcttcgt 780
 cattggcggt cccaggggtg atgctggctg tactggccgt ggtctcttaa gcggggccac 840
 ctatagttag 850

<210> 20766
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20766

gctctggcta gtatcagcca tatcgcccat ctactgtca ccacgaagac ggctgactca 60
 agctgtgctt ggagagctca ttatgccgat ggaaagctgg tccctcccaa accagggcag 120
 agcgcagctc ctaaggccac tgcggggcgt ggagggacgc agatcacagt tagtcaatga 180
 ccatatcaag atgaagacgt ttctaact atcaggctga agatctgttc tataatgtgc 240
 ctaccagacg cagagcattt cgcttcagcca gcgaagagta cgccaagatc cttgatgtag 300
 tcggccgcta cgctgtacat tgctctggtg ttgcttttcc atgccgtaaa catggtgacg 360
 ctggcgctcag catctctacg gcggttgctc tcaacacccat tgaccgaatc cgccaaatcc 420
 atggaagtgc agtggccaac gagctgggtg agttcagcgt caaggacgaa aagttaggct 480
 tcacgtcatc tggactcgtc acaaagcaa actaccatgt caaacgaacc accatcctac 540
 tcttcataaa tcaccgctcg gttgagtcca ccgctattaa gcgagccgct gagcagacat 600
 acgccagctt cctaccta aa ggccggccacc cttttgtcta catcgacctc gagattgagc 660
 cacatcggt agacgtaaac gtgcatccca caaacgaga ggtcaacttt cttaacgaag 720
 accaaatcat cgacaacatc tgcgcccga aa tcagatccag ctctctcaag tggactccag 780
 ccgacattcc taccagaca cttctgccct tatcagaccc caacggtcaa gcaagtcaga 840
 cgctgagcag 850

<210> 20767
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20767

tcagcgacgg ggagattgat gtagtactaa caagcactag ctccgctccc tcatggaccg 60
caaggccaac atccgtaaca tgtcgggtcat tgctcacggg tctactcga caattccttc 120
accggcgtga tttgtatgct gaatgtttca tagtcgatca cggaaagtcc actctcagtg 180
actctctcgt ctgcggtgcc ggtatcattg ctggtgccaa ggctgggtgat gcccgtttca 240
tggaacacccg tctgatgaa caggagcgtg gtatcaccat caagtctact gccatctctc 300
tttacgcaa gttcgccgat gaggaggata tcaaggaaat cccccaggcc gtcgacggta 360
acgagttctt gatcaacttg atcgattccc ccggtcacgt tgatttctct tctgaagtca 420
ctgctgccct ccgtgtcact gacgggtgcc ttgtcgtcgt cgactgtgtc tctgggtgtt 480
gcgtccagac tgagactgtg ctccgtcagg ccctgactga gcgtatcaag cccgtcctta 540
tcatcaacaa ggtcgaccgc tctctgctcg aactccaggc cgagaaggag gacctctacc 600
agtctttcct ccgtaccgtt gagtccgtca acgtcatcat cgctacctat gaggacaagg 660
ccctcggcaa cgtccaggtc taccgccaaa aggggtaccgt tgctttcggg tccgggtcttc 720
acggctggggc tttcacgctc cgccagttcg ccgtcaagtt cgccaagaag ttcgggtgttg 780
accgcaagaa gatgcttgag cgtctgtggg gtgacaacta cttcaaccca agaccaagaa 840
gtggacaaga 850

<210> 20768

<211> 531

<212> DNA

<213> *Aspergillus nidulans*

<223> unsure at all n locations

<400> 20768

gttanaacaa ccaaagagag accgacgacc agggggggggg aacgggacca cagcggggggg 60
gcgccctata cacggacaaa gacgcggagg gggacaacaa agaccaagag cgcggcagag 120
agaaaagccg aaacgcaagg acatacacac ggcgagacag agggccgcac aaagcgaaag 180
gagcgggctg actaaggcgc gagaggagcg aaaacaaagg ggacggagag acagacagaa 240
accaccatg caaaagacag gcagccatcg gagaggagga caacagaaca acgagagggg 300
aggagggaaa acggaaccag aaacgcgatg agcacggcac agggaagaag agcagcaaag 360

gaaagaacaa cagcgaggaa agacggagaa gcgaagacaa gggcggagcg aacatgggaa 420
acggaaaagg gcgagaaagc cggaaaaaaa aggaggaacg aaaggcaacc gagaagaaaag 480
ggacaaaaaa aggcgggaaa aaggaggaaa gaaaaggag ggacaaaaga a 531

<210> 20769
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20769

ctgattgctc gtcccggtcc ttatatcaat gcagaggcat ctgggggagg attcccggga 60
tggtctgcaga gacttaatgg cacaatccgt tcatcggatc aaagtactt ggatgctacg 120
gagaagtgag tttcaagccc ttctgatcat aggaatgtct gtactcatcc acaatagcta 180
tgtatcgac attggcggtc tcattgcca gtaccagatc actaatggcg gacctgtgat 240
tctctaccag cctgataacg agtatagcgg gggctgctgt gggcaggaat ttcccaatcc 300
ggattacttc cagtatgtga tcgaccaggc ccgcacgggc ggggatcgtg gtgcctacga 360
tcagcaacga tgcttggcct ggtgggcata atgctcctgg gactgggaag ggcgaggtag 420
atatttacgg ccatgataac tatccgtaag ttgtgtattg aatgtttctt tgagtgaagc 480
taatgatggc taggctcgga ttgattgtg tatggatatt caccagaaag aattcaatcg 540
ctaacggaca taggcgaatc ctgatgtgtg gccgaagca acctgccgac cgactaccgc 600
gacttacacc ttgaaattag tccctcaacg ccgtatgcgc tcgttgaggt aagttctcct 660
tctccaaaac agatggctga aggctaacta gctcagtatc aagtcggggc attcgacca 720
tgaggaggac ccgggttcga acaatgcgcc gctcttacgg gctacgagtt tgaaagagta 780
ttccacaaga acactttcag ttttggtgtg gggatcctgt cgctgtatat ggtaggtcat 840
cagcaacata 850

<210> 20770
<211> 666
<212> DNA
<213> Aspergillus nidulans

<400> 20770

caaatacta aaccacggac gcgaaagaaa aaaaagagag gaaaaattgg atgttagata 60

attaatgaca gttttgcaat ttataatttg attaatttta ttttacaatt atggaaattt 120
 actaatcaga atataaatcc ttttaaaaat agctaacaaa tattactaat taattataag 180
 gtggagcaaa atggagaagg cccagggcta agatgctcac atggcatagc tcaagtaggc 240
 aacaagattt actcttttgg tggtagctc ataccaaate agcccatcga taaacacctt 300
 tacgtctttg acctcgagac cgggacttgg tccattgctc cagccaccgg agacgttcca 360
 cacctctctt gcttaggtgt ccgtatggtg tcagtaggat cgaccctcta tacctttgga 420
 ggccgagact tttcacgcca atacaacggt ttctactcgt ttgacacgac aacaaacgag 480
 tggaaactgc taactccggt ggaagaagga cccactcctc gtagtttcca ttcgatggca 540
 gcggatgagg aaaacgttta cgttttcggt ggagtgggtg ctatggatcg aatcaagaca 600
 ctagactctt acaatatcgt tgacaagacg tggtttcatt gggggatcct ctagagtcga 660
 cctgca 666

<210> 20771
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20771

tttcatgtac taccgtctta ccaacttcta ccagaatcat cgaagatacg tgaagagcct 60
 tgatatggat cagctgaaag gaaaggctgt caaaaacgct acgatcaatg gtggctcatg 120
 cgatccccctc aagctcgatg aaaacggaaa ggcctattat ccctgcggac tcatcgcgaa 180
 ctccatgttc aatgacacaa taaataaccc tatacttggt aacggccgcg gtggtgatcc 240
 tgagacgtac aatatgacca agaagggtat cgcgtgggac agtgacaaaag agtcatcaa 300
 gaagactgag tacgaaccag gtgcggtagt tccgccaccc aattggcgag aacgctatcc 360
 caactacgac agtggaatcc caaatctgca tgaagatgag gatttcatgg tttggatgag 420
 aacagccgca ttgccacat ttagcaagct gtcccggaga aatgacaacg aatccatgca 480
 gtcgggacga tatcggttgg acatcaaaga tcgtgagttc atagtaatgg gagtaataac 540
 atacgtagag tgctgacagc atgctagctt ttcccgtcac tgattatggc ggtaccaaata 600
 ctattctaata ttccaccgca agtgttcttg gagggcgaaa tccattcatg ggaattgcct 660
 acgttgttgt cggaggtgtc tgcgttcttc tcggagctat gttcacaatt gcgcacctag 720

tccgtccaag gtaaggtttt tcctttccaa ccgaccatga gctgacatct tcaggaaact 780
 gggagaccat gcatatttga ctggaacaa cgaacaggat agctccgcta tcgcgactgg 840
 gcgagatgat 850

<210> 20772
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20772

ttctcctacc ctcaatcgtg atgccgtcta cacaaagcgc tcccgaatcg cgcggtgcc 60
 gaaatatctc actgtgcatt ttgttcgatt cttctggaaa cgcgatgcgc agaagaaagc 120
 taagattatg cgcaaagtga cattccctgc ggagcttgac gtgctcgact tctgcactga 180
 cgagctcaag aaacagctca tcctgtccg agacaaagta cgagacattc gaaaggagga 240
 gcttgacatt gagcgtgcgc ggaagcgcca gaagattgcc cgtcaacgag aggaggatgc 300
 gaaaactgac aacgcttcaa gcttggagcc tatgcagaag aagaaggcta ctgaagagcg 360
 caaggaagag ggaacaaatt caggaaagga tgaggatgct gcaatgactg acgtcttcaa 420
 gaccgatgct gagtatcagg cagaaaagca ggcgtctatc accgcagcca agaaggagct 480
 ggcccagctt attgaccga agctggggcg agacagcgga acaaacaaga ctggcctcta 540
 tgagctgaga ggcgtaatca cacaccaagg tgcaagtgcc gacagcggcc actatacttc 600
 gtacgtcaag aaacaaggca gcaatagtaa ggaggagcgt gacgacaagt ggtggtggtt 660
 caacgacgac aaggtgaccg aggtagatgg ctcgaaaatt gagactctgg ctggagggtg 720
 tgagttcttc ttacctaca ttctcctcct ttgccaaaca acattaatgg agacgaactg 780
 ttgctaacgc aatatctcag gtgaatcgca ctcggtcctt attcttcttt accgtgccgt 840
 tgatctgcca 850

<210> 20773
 <211> 497
 <212> DNA
 <213> Aspergillus nidulans

<400> 20773

tgaatttgca tcaaataagg cggcaaagat atgcgcacag acgctgaatg caacgatcgt 60

ggggtggaaag aaaggtggat ggtatcatga tggtaggtaa aaaatttgct ctttgagttt 120
 ccgcgggcta ccaagtgcc aatagatgtat ggaacatgaa atatctcaaa gggtttaagt 180
 gggccgatct catggagact caagagagag aaagatcgga acgggaagcg aagcgtcgga 240
 ttgaagatgc aagagcgagg aaagaggaga aggtgttcct gcaagggtac gagaagggga 300
 agatgctgga gggatttcag aagaagaacg aggagaagcg gcgtaaaaag atggccgata 360
 aggatgggca tggagatcaa ggaaaagagc aggcaatcaa cgcgaggaga ctattcaagc 420
 aaaatgaggt caagctcggg cgggataaga cgtctgctga ccagactact gtggaggagg 480
 ataccagccg ggttttg 497

<210> 20774
 <211> 767
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20774
 atggagggct tcgacaccat ggcgttgccc tatctggctt ccccgctgtc gttagggaaat 60
 atgcagggca cagattatct caatgctttg caaggcatgg accttcctga tcaacgatca 120
 aactttgact ccgagacatt cgttaggtgc gtggtccttt tgttcttttg caaagctttc 180
 tctctgacgg gtcttttctt ctacgaggaga cgatttgacc tttgcccata tatctccaca 240
 gacactgaag cgattctctt ccggttacga ggactcgttc ccagagatgg tcaacttcctt 300
 tgaccccccg cctccagctg agccgcctgc cgactcctcc attgaccata ataacaagct 360
 attgagcttc tcgatgccag tatatccgtg gactctgctt gattattctt ttcgacgcgc 420
 ctcaatatca atttcagctc agctgcacgg catgtttttc cttgccgagt caccgtggac 480
 cacgtctccg acagaaaatg ctccgcctca gcaaggagca gaactgacct gctaccggcg 540
 aaatcttttc cagatcactg gttctgtaac ctttcctcgg gccctgcgct atatcatcac 600
 cgacaccggt gaccggatac ctatcgtcgc gcacgaactg acagtgtcgg ctaccgagtc 660
 tgttgagggc aattcgttca agattatctt tgtgccctg gaagactccc gctgcaaagt 720
 acgctggcaa ggatacaaga aacagtagtt atactgccgc caagtcg 767

<210> 20775
 <211> 839
 <212> DNA

<213> Aspergillus nidulans

<400> 20775

tttccacga ctgcgtggc tcgagaacat tctcagctcg ccaatcattg ctcccattcg 60
tttgctgaac aagcgcttcg gacttgccgg tggctttttt aatcagtttg atggtcagg 120
cgatttgctg gatgatcttg atgaccatta cacggcgctg cagcacaagc gggagcgcag 180
aattttcatc cagcgcttac aggacttttc caaggctcac tccatccgtg ttacgatttt 240
aggtgggatg gtgcacttag cggctattgg acgattttat tcgaatccca agctgggctg 300
tcacagcgag aacgaccctc ggtacatggt caacatcggt agcagcgcca ttactaacia 360
gccgcctccg aaagcagttg cgaatctgct cgcgcgacga aacaagattc atcacctaga 420
cacagatact gatgagacgc tgatggactt tttcgacggt cagcctggcg gagtagacia 480
gagcgctcc tggaaaciaag tcaatagcc atctcgcaac tacgctgca ttaccgaaat 540
tgaaacaccc gctgctaacg gtgatggggc gcagcaaat ggtgtgactc tcccaatccc 600
caaggacggc cattccccctc tgcatacggg cgagtcaacg gctggctccg ctcaactcagc 660
agcggacggt gtcagcagcg cgagcactct ccatgggtggc ttgaacgctg caattcgctg 720
ggagattaac cccagaaca gagacggcg agctcatggt tatgggttta gcagtatggt 780
gcctaataac acaagcatct tgcccatgac actgtaatgc gatagagcta accttgacg 839

<210> 20776

<211> 671

<212> DNA

<213> Aspergillus nidulans

<400> 20776

actccaaggt gatcccaatg ggtagtagac ttggattttg aaaagaagcc agaggtgcct 60
ggacaagcgg ggtgcaggtg ccatgatcga gggcaatcat tgccctggaa gtgctatctt 120
tctattcaag aaggctgtga gctctggggc ttctacgctg atccaacgag tactgcactg 180
cggtgacttc cgagcatctc cccagcatgt gcagcatgct cttttacgcc ctgacgtggt 240
tgatccaaag acgggtaaga gatggcagca aaggattgat gcttgctatc ttgataccac 300
ttatctaagt ccgaagtacg cgttcccag agatcggac gtcattaacg cgtgtgcgga 360
gctttgtgtg cgcattgatc agggtaata cgacagtctt ggccacatgc cttttcagac 420

cgcgactccc accacgaaat cgaagaaccc gataagcaaa ttcattgtcg ctgccactgc 480
 tgccgtgaaa ccttcgactc aacccgaacc gaaaggccgg ttacttgtcg tcattggaac 540
 ctacagcatc ggcaaagaac gaatatgcct cgcaatagcc cgagctctca agagcaaaat 600
 ctacgcgaca ccggctaagc aacgtgtctg cgctgttag aagatcccta tagtgagtcg 660
 tattatgcgg c 671

<210> 20777
 <211> 525
 <212> DNA
 <213> Aspergillus nidulans

<400> 20777

ctatcaaaga tgaaacagct aggcagtcgt tagcttctat gagccttatac gacacgcaag 60
 ttccacaaga agaggcgtct aagccaggcg aaaatgaatg gtcagaacgc gatgtttatc 120
 cagatgcagc ccgtgcgaag ttggctgccc cttcaagcca accgcagccc gaaactcaga 180
 aagactcggg agcaagtggg acgcctaaga agtcgcgcaa gccaagaaa aaccggtcac 240
 atggagtga atacagtact tgccaaccaa ttatcatcac attcgattca cttgacctcc 300
 ctcgttcggg aaccatcagt atcctccgcg aatacctctt cgccgaagca aagtcgaagc 360
 ggggcatcga gattgacaaa tctttggtca aaggcatgac cgcaaaggag atcccacatc 420
 agccgaactt ttctgattgc ggtctttacc tctagccta cgctgaaaag ttcgttcaag 480
 acccgattc attcgttcgg aaacttctgc ggaaagagat gcgca 525

<210> 20778
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20778

ctgcttttgg aatcatgctg ggtgagtgc ctcgatgac gttggggtgg aattaagatg 60
 ttgactgtat taggttatat ctcgctctgta gcgttcatga atgtccagag tgacacgctc 120
 caaggcctca attggagatt gatgtttgga gtcaccgcta tcccgtcagt atctctgcag 180
 agaccgggtt tcatctcttc tctggctcta acgttcacag gcccatgctt gtgtgtgccc 240
 aggtctactt ctgccccgag tcgcccaggt ggtatatgat ccggaatcgt taccacgctg 300

catacgatgc cctctgcaag ctgcggtccat cgaagttcca agcggcgcgg gacctctact 360
 acatccatgc agcactgcaa gttgaggaga aactccgtga gggcaaacag ctctggcggg 420
 agatgttcac cgtcccgaga aaccgacgtg cagcacagtc ttccttcttc gtcattgtca 480
 tgcagcaggt acactcagaa ttccactggg caactcgaaa tgcagcggaa ttcggctaac 540
 aggcacagtt ctgcggcgtc aacgccatca tgtattactc ctcggtccatg ttcaccgacg 600
 cagggttcag ccgagaaaac gcgctccttg tatccctggg ctgtgggata acgaactggc 660
 ttttcgccgt accggctatc tacacaatcg acacgttcgg gcgacggaac ctctctctca 720
 ccactttccc ctctcatggt ctcttctctt tctggacggg cttctcgttc tacatcgagg 780
 gcgagcagac tcgcaccgcc atggtggcaa cggggattta cctgttcatg atcgtctact 840
 cgccagggga 850

<210> 20779
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20779

attcaciaac tcgggatctg aaggtagcct gtgcaggaga ttcgcgcgcc gttctcggcc 60
 gtcgctcaga aaacggtaaa tggacagcaa caccctttc agaagaccag acggtcggca 120
 cccctctga aatgaagcgg ctgcgcgaag aacaccaga gagccaacg ttgtccgaaa 180
 tggacgtatc ctgcggcaac tcgagcctag tcggtctttc ggagacgcct tctacaaatg 240
 gagtaaggaa acacaggaaa agatcaagcg ccagttcttc ggtcggaccc ctcatccct 300
 cctaaagacc ccccttatg tcaccgccga acccatcatc acaacaacca aggttgatcc 360
 cagccaaggc gacttccttg tcctcgcaac cgacggctct tgggagatgc taagcaacga 420
 agaagtcgtc ggcttggttg ggcagtggat cgaagagcaa aaagccgtg ccggagccgg 480
 taccggcaat aagagctggg tccggagtct cttcggtctc cagccgaccc agctacctgt 540
 agaagcaccg aaggaaacca gtaccgacgg acaacgtcga ccgatacgtc agcagcagta 600
 cgacatctca ggtgccgcta gtcgtttcgt cgttgaagat aagaatgcgg ccactcatct 660
 cgtcgcgaac gccatgggcg gaaaggacaa ggacatgctc tgcgctttgc tcaactctcc 720
 aagcccttac tctagacgat atcggtatgt tttaccttcc tttgcgctga gaacccccca 780

gaagtactaa tttacacctg ctagtgcga tgtaaccgtc gaagtcattt tctttggcga 840
gagccccgac 850

<210> 20780
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20780

attgccagcc gtgctgccct cgatgctctc gacaagggtg ctggtgaccg cagtgcagac 60
atggagaagt tccgcaaaga cctccactcg attgcccga ctaccctcag ctctaaggtc 120
ctggcccagg accgcgacca gttcgctgct cttgcctgcg atgccgttct tgcacttcgg 180
ggctcaaccg acttgagcca catccagatc atcaaaaaag ccggcggaaa gctcagtgc 240
tcttacctcg acgagggttt cattcttgat aagaagattg gtgtcaacca accgaagcgc 300
ctggaaaatg ctaagattct tgttgcaaac acagcgatgg acacagataa ggtgaagatc 360
ttcggagcgc gcgtgaaggc cgagtcaaca gggaagttgg cggaattgga gaaggcagag 420
cgtgagaaga tgaaggccaa ggttgagcgg atcaaggcac acgggatcaa ctgctttgtc 480
aaccgacaac tcatttacia ctggcccgaa cagctgttca ccgaggctgg tatcatgtca 540
atcgagcacg ccgactttga cggcattgag cgactggcgc tggttaccgg tggagagatc 600
gccttgactt tcgaccaccc cgaccaggtc aagctggggc cttgtgacct gatcgaggag 660
gtcattattg gcgaagatac cctcatcaaa ttctccggcg tagctgctgg ccaagcttgc 720
acaatcgttc tccgtggcgc cacagagcaa cttcttgacc aagccgagcg ttcgcttcac 780
gatgctttgg cagtactgtc ttagaccgtc aaggatcccc gagtgacttt tgtggggggc 840
gccaagatg 850

<210> 20781
<211> 567
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 20781

aatgcggcaa gaagcagctg ctgtaacgtg aatcattctt gcgggactgc acttgaaaa 60
gtcatgaacc ggtctaagac ttcattcttag gccctattca aaatttcgtg ttggcgcggc 120

ctctctcac ccagtcaggg gaatttttca cagggggccaa tggtgaaaat gcctcatatc 180
ccgttggcac atgtgctgag cgggtggcgt ttgggactgc tgctgtaagt tgctctttcg 240
atatcctgga accacccaaa attggacagt gcatggtttc acacactctg ttctgctccc 300
ttggatagct aatcatcccg ttcaataggt agccggccat cgccgattca aggcgatcgc 360
tgtggccact gatattaaac ctctgcctc accatgcggc atgtgtagac agttgtacgt 420
cttccaagtt tactgaaaca actcaaactt tccccatctg ctctgtcgtc tcctggagtc 480
aaactactga tctagatggt acctagtatg agtgaattta caacgcggag aggtccagtg 540
tacaagtatg acaagaaaat tgnattc 567

<210> 20782
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20782
gcgtagcgac gaccctgtcc atgctttacg cacattacct cagacagcaa agctccatca 60
attagcaatc tgtcactgtg agaacggctg aatgttttgc aagttggaga tcaaccatgc 120
cttgatcgat gggacatcta tggtatcat tgagcgggac ttgaagcgcg cctacagcaa 180
gaaactcagc agcgtgcccc ctcttgcata cgctgactac gtgagcttcc tccaagaagc 240
aaagagggcc gaatcgggtca atttctggaa cgattacctc caagacgctc agccctgcc 300
gtttccatt cttaatgacg gccgagacca atctcaggct ctggaatcga tcaatgttga 360
gcttcccggc ttgacaaagg agacactgag cgccttttcc gaacgctggg gattcacctg 420
tgctaacgtc gttcaaaccg cgtgggcccct gggtctgcgc gcttttattg gaacagactc 480
tgtctgtac gggatatctga cctcgggccc tgatgtcctc cttgatggga tcgaggactc 540
cgtgggtcca ttcataca tgcttgtttg tcgcctgaag ttcgatcccc atgagccggc 600
tctggttgct ctaaaaaaca cccaagatgg gttcctgaag gccatgtccc accagtacgt 660
atccttggca gaaatgcagc atgccttggg tgtggcggcg cagggattgt tcaatacagc 720
gatgtcgttc cagaggtatt caccagaaga atcgatgcac tctaaatttg aggacagttt 780
atgattataa acatactgag gtaagtccac ggggaatgct aactttttaa cgagtcgtac 840
tgccgcacga 850

<210> 20783
 <211> 823
 <212> DNA
 <213> Aspergillus nidulans

<400> 20783

```
atgaacgaag atcctaggaa gcttctcgag caagcgacaa tacttctcca gaccggacaa 60
gccgatgctg cgctttcgat agcccagcag gcgctcgaga ttgcgacctc caattccccc 120
gcgcagcttt caagtttgaa tacgattgcg gagatctacg ttgagttagg cgagattgac 180
ctcgcaagga aacattttct acaggcggtc gagcttgatc caactgggtc tatccctgag 240
tctgaggagag gcggcgctga aaagttcctt tggctggctc aattgagtga gcttgggtggg 300
aaggacagtg ttcaatgggt tgagaaaggg gtgggggctc tgaggggctg tattcaacaa 360
ctcgaagcga ataacggccc tacacaagca ttggagttgg aagagaagaa aaggaagatg 420
gcaaatgccc tttgtggtgt tgcagagatc tatatgacag atctttcgta ggtcgcccct 480
gttttttatt gctttctccc gagcctctta tcaagctgac attttcagat gggaggaaga 540
cgcggaatct cgctgtgaga acctgatcac ggaagccctc ctagttcagc ccagctctcc 600
cgaagtcctc cagacgctgg cgtctattcg aatctcgcaa ttaagagagg atgatgcgcg 660
ggcagcactt tcaaggagtc ttgagctgtg gaaagatttg cccccagaag atccgcatgt 720
ccctgacttc ccaacaagaa tcagtctttc tcgtctccta atggaggtct ccatgttgct 780
ggaggcgcta gaagtactcg agcgcttgat tttagaagac gac 823
```

<210> 20784
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20784

```
ttcagctgcg ggaatgatcc tgccttttgg actgggagct ggtgtctctt atggtttgta 60
tcacgagttt catgacgaag aaggtctaaa gccaatgat tttggcactt atttactctt 120
cattggtatt gccatggcca ttaccgtagg tttctcatcc gctaatccca ttacttcac 180
taatagctta ggcatttccg gtcttgtgtc gtatccttac cgagttgaaa ctgctcgggg 240
caaagtgttg tgtcatcggt ctgtccgcgg gcgttggcaa tgatgtcggt ggctggattt 300
```

tgctcgcaact ctgcgtcgcc cttgtcaatg caggaagtgg tctcacagcg ctgtgggtgt 360
 ttctcgtctg cgttggctac gtcacatttc tggtcgtgat ttccgcca ttgttcctac 420
 gcttcctcaa ctatactgga agcttgaga aaggtcccag ccagtcagtg gtcacgatta 480
 ccattctaata cgccttggcg tgcctcttct tcaccaggt aataggagta catgccattt 540
 ttggtgggtt ccttatcggc ttgctctgcc ctcacgaagg aggcttcgct attaagttga 600
 cggagaagat cgaagacctg gtaacggcgc ttttcctgcc attgtacttt acgctttccg 660
 gcctgcaaac agacttgggg ctgctggaca cgggaatcgt atggggctat gttgttgccg 720
 ttatttcaat cgcgttcctt gctaagggtt cggaggggc gcttgcgta agagcttgcg 780
 gccttctctg gcgggagagc ttcgcgattg ggacgttgat gagttgcaaa ggcttagtag 840
 aacttattgt 850

<210> 20785
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20785
 cgcaatgggc aagcttggca cggacgttgc caaagaagca gccgacatga ttctcacgga 60
 cgacgatttt tgcaccatcc tgcgagccat cgagcagggc aaaggaatct tctacaacat 120
 ccagaacttt atcacgttcc aactcagtac cagtgttgcc gctctgagtc tagttttgct 180
 gagcaccatg ttcggattca agaaccgct aaacgcgatg cagattctgt ggattagtag 240
 gactgcccta taactgcgcc ggtgttcttt tgctaataatt tgactagata tctcatgga 300
 tggtcgccc ggcagtcctc tcggagtaga gccagtagac ccttcgatca tgggcccggc 360
 tccccgaccc aagagcgctc gagtgctcac gaaaccgctt atccaacggg tctcacctc 420
 agcgtttatg attatgatgg gcactttggc catatacatc tatgagatgg gcgatgatga 480
 cgacgtactg acgggaaagc gctcccgagt agtgacggcc cacgacacca ccatgacatt 540
 cacgtgcttc gtctgttcg acatgttcaa cgcattgaca tgcgcagcg aaggcaaata 600
 cgttcttcgg ggcgagatct ctctttttgg gaacaagatg ttcaactatg ccgtgctggg 660
 ctcgcttgcc ggccaggctt gtgtcattta cctaccgttc ttgcagcggg tgttccaaac 720
 ggaaccacta aacgcagcgc acctgttcaa gctggtgtgc attgccagca cgggtgtttg 780

ggttgacgag gggaggaagt actaccaatc gctgcagcga cggcgggcag ttggggtagg 840
 atatagcgtg 850

<210> 20786
 <211> 750
 <212> DNA
 <213> Aspergillus nidulans

<400> 20786

atgtcggaac aagaaccgtc ttctgccgac ctgcgccccc gcgaggccga agaaaagcaa 60
 cgcaaagccg ccgaagaagc tgagcaggcg accctcccct acaaattggac acagacgata 120
 cgcgacgtgg acgtcacgat acccgtctct gcgaacctga agggacgcga tctggacgtc 180
 gtgctcaaaa aggacagcat taaggttaag gtcaagggcg agaacgggga ggtctttatt 240
 gacgtactac aaccatctcc cccaaatctc cacgcagcga gggctaacaa gggtttgata 300
 ataaagggcc aatttccgca ccccatcaaa ccgtctgagt cttcctggac gcttgaaaca 360
 acgtctaaac ctcccggcaa ggaagtcagc atccaccttg acaaagtcaa ccagatggag 420
 tgggtgggcg acgttgtcac caccgcgccg aagatcgatg tcagcaagat cacgccggag 480
 aactcgagtc tgagcgacct ggacggtgag accagggcga tggttgagaa gatgatgtat 540
 gatcagcggc agaaggagat gggagcgccg accagtgatg agcagaggaa gatggatatt 600
 ttgaagaagt tccagaagga acatcctggt atgttgtatc tatgcatctg cgcgttctta 660
 ttgttctgga gtgaagggtg aatgatgcga gcattgtgct aatgttactg agcttttgca 720
 gagatggact tttcgaatgc gaagattggt 750

<210> 20787
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 20787

ggttttacta gtttcaaaac taggctgaat taagaaagcg gtgctttgaa ggctcaccg 60
 cttcagagga gtcataatcct tgtaaggccc accggactaa cattcttacc ggggtatacc 120
 agagtatata gattataata ttatactact ttatatacta gcatattcct cctatTTTTT 180
 ataactactt aatattagat attttgcagt tttaaagtgc ttgtatacta gcttagttaa 240

tcagaaaata tagcttagta ttagctatat taataaactt aatttccttg cagcctatct 300
 ataagcttaa attaatatat ttaagctaga tataattaga aatagttttt aagtagcagg 360
 actagtacta ttaaataccta aactagtact tttaaagctt agtatttagg cttatatact 420
 tataccccct agaagctata gcagctaggc aagtattttt tacctatata tactagtaaa 480
 tattaataag cttttaaagc 500

<210> 20788
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20788

agactaaact gacaatgatc aagtgaagga tcacggttta ggcaaaaaca tctggaccgt 60
 tccgttcagc gacatcagtg agactctcaa ggtatatgga acctttcgcc cttttctctt 120
 cccgctaggc cgctatcca agatattaac accatctgcc gctgcagctg ttcttcatag 180
 aagaagtcct ctacacaatc tgcacagcat tgatcaaact atccatgctc ttcctctacc 240
 ttogactctt ccccaatact cttctacgca aagcagtctt cgtctcgctg gccataactt 300
 ccctttgggc aatcgggtca tttctcgcac aggttctctc ctgcaagcca atatcctact 360
 actggaacca atgggatggt gagcatgaag gcagatgcgc cagccataac tcgctcctcc 420
 ttgcgcactc gattatcaat atcttcctgg atgttttggt gattgccctt ccaatgccgg 480
 ttcttgtcaa gcttcagatg agcattgaga agaggggtggg catgtgcctg atgtttgccg 540
 tggggccttg gtacgtcgtc tttctgatat gtgagagtca gggttgacct ttggtgaaca 600
 tatagtgtta ccattataag catcctccgc cttgttgaaa cagtcgggtt caacgacact 660
 accaatccaa ctagtgcgtc aacactactc ctccttgcac aatagctttt ctgacagagt 720
 tccttcagag gatttcgttc ccgtcggcgt ctggagtctt ctggaaattg acgtcggaat 780
 catgtgctcc tgcatgccgg gcattcgggc gttgacgaaa cggctgtaca gtacattatt 840
 caagactgat 850

<210> 20789
 <211> 843
 <212> DNA
 <213> Aspergillus nidulans

<400> 20789

acccaagacg caatcatacg cgcagtgata ctcaccaagt cacaataata tctggagaga 60
caggtagcgg taagagtacg caatcagtac agtttgtcct cgatgatatg atcaagagag 120
gactcggtagg tgtggcgaaat atcatctgta ctcagccgag caggatctcc gcgttaggtc 180
tggcagaccg agtcagtgat gaacgttgct catccgtcgg cgacgaggtc gggtatatca 240
ttagggggcga gtcgaaatct aagcctggga ctacgaaaat cacattcgtc acaactgggtg 300
tcttgcttcg taggatccag tcaagcagcg actcaggaaa tatcgcaagc tctcttgccg 360
acgtcacgca tgtggttgct gacgaagtcc atgaacgcag tctcgacaca gacttcttac 420
tggccctcct aaaggatatt ctccgccatc ggaaggatat caaggatgatt ctgatgagtg 480
caacacttga cgcagacatc ttacacaaat atttcggcgg gcggcaatcg gtgggcttgg 540
tccatatccc tgggcgaacc ttcccggttg aagattacta tctcgatgat gttattcgtg 600
aaacgggggtt cgcaccagag ctgcccagc gaggcctcga agaagacaca gccccttctt 660
cagcatctga cgagtcattt ggcaaaatcc ttcggtccgt tggcatggggg attaaactacg 720
agttgatagc ttccaccgtt cggatatattg actccaagct aggagatcaa cctggggggca 780
tcttgatctt tttaccagga acgatggaga tcgacaaatg cctgaacgcc gtgaagaaga 840
tcc 843

<210> 20790

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 20790

tcgccatgat tcagcacacc aacgaactcg aaaaatccct gtctgccggt acaagctacc 60
tcgactgctt ccgcgcggtt aaccgccgcc gcaccgagat cgtctgtggc atttgcatcg 120
ggcagacact cagcggccag aacataatgg gctacttcgc atacttctgc gtgcaggctg 180
gcctaccgga gatccattcc ttcaacctct cgcttgGCCa gtaggccctt ggtgtcctgg 240
gcaccatcgg ctcttggttc atgagggtccg agatgggccg ccgcacaatc ccacctcctg 300
ggcttgctgt tgctcttcac tctcctcatt atcaggggca gtctttcctt tgcgccggac 360
tccaacaacg cccgcgaaat gggcaatcgg ggccatgctc atggttttca cattagtcta 420

cgatatcagc atcgggcccc tgacatatc cctcgtctcg gagctctcgt cgacgcgtct 480
aaaggcgaaa accatcaacc tggcccgcgc aggggtacaat atcagcaaca tagtcgtcaa 540
cgtgctgacg aactaccagc tcaacgactc tgcttgggcc tggggcgcg cgtcagcgta 600
cttctgggcc ggcacctgcc ttctttgtct gtgctgggtca gcgatgcgtg tcccggagcc 660
aaagggccgc acgtatgaag agctggatct cctgtttgag cagagagttc cggcatggag 720
gttcaagaag actgcggtag atccgtacca gggcttggct gagactgagg gtcattgttag 780
ggaggatcag caaaagagta gctgaaacat tcagaatctg tttcctatc tcttaaatat 840
caaacacgcc 850

<210> 20791
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20791

cgactccaag aggaggaaga ggcgaggaag aaggaggaag ctcgccaaag gaggaaggaa 60
aaggagaggg aaaagaagga acaattgagg agggaaggaa agctgctcac caaagctcag 120
aaggaagcca gggagcgtaa tgagctccgc atgaagcaga tgcttgctgc aggtgttggt 180
acggttgctg ggttgacaga ggatcaacct gagaagaaga aacccttcta cgagaacaaa 240
aagaagaagg gtccgaagaa gcaggatgaa gaccttgagg ctgctgctgc tcgtgctaag 300
gctcagcgcg aggcagaaga cgagcgacga cgaaaagagg aggaggagcg gaaagcaaag 360
gctgaagctg aagctgccgc tgccgctgcc gctgctggtg atgaggagag cgagctcgac 420
gattgggaga aggctgctga tgccgaggag gtgaaggata gctgggacgc acctagtgat 480
gatgagccag agaagccgc cgctacaaac gatgaagaga taactctacc agagcgacct 540
gcagctaagc ccgcaaaga ggaagcaa atgaggatctt cagaagagga ttcggacgaa 600
tctgactctg atgaagaaga aaaatccgcc gcgcaaaaag caatcgccca acggaaggcg 660
gaggctgctg agcggaggaa gaagcaacac gaggaagctt tagctgctcg ttcaaaggac 720
aacttgcat ctctatctt ttgtattctt gggcacgtcg aactggtaa gactaagctg 780
ctagataaga ttcgacagac aaacgtccaa gaaggtgaag caggtggtat acccaacaga 840
ttggtgcaca 850

<210> 20792
 <211> 663
 <212> DNA
 <213> Aspergillus nidulans

<400> 20792

```
tcagtctcgc tagatattgt gttacctgtc acattacggg atgcaatccg gggttaatga 60
gatctatgtt gcggaactgt actggccatt cgcaaggtct gttagcggcc attgttggtg 120
ctgtttcaca ctcttgggat agcttctatc aagccacgga ggaagtcatt gagcttctat 180
ttcgctcggg ctgggagtg caccacgctg caccttgtag catggttccc gcagcaaact 240
acgcggacgt ggatggagcg aacgggccgt cctacatgct gagcttacgg ggcctcaaga 300
gacaagagac tgaggctacg atcgaccatg ttaacgcaag tctaccggag gataaacggc 360
tttacctggc actgatcaac gcgtacgatc aatttgtggt agctggaccg gtgcgctctc 420
tgcttcgatt ggaaagccat ttagtcgaaa ttactagcaa agatattgac caaagccgaa 480
ttcctttccg agatcgaaaa ccatatatac agcatagctt ccttccggtc agcactccgt 540
tccatacgcc gtaccttacc cgagctgcag cacgagtaaa gaaacagttt gctgcccgtc 600
ccatccctac acgccggctg gcgattcctg tttatcatac tcaaactggc ctagacgtga 660
tca 663
```

<210> 20793
 <211> 690
 <212> DNA
 <213> Aspergillus nidulans

<400> 20793

```
ctcttttgca ccacgattat tatctacgag ggcctacgat ccgctccgaa tacttttctg 60
cggttccgat catttttagta tagcttcttt gaaagctctc catgatgaac acaagaaacg 120
gcccgatcgg atcgcttcta tcgatgtcgt ctgtaggccc gggaaaaggg tgggaagagg 180
catgaaacaa atacgagaag gtggttcatg gtggagaacg ctatgtgaga cggcttggtg 240
ctgatacaat gttcgcacag ttccaatcaa attcgtcgca tcagacttag gtctccctat 300
ccacgaagtt gacaccttca cgggatggca ggtatctaga acctggtatt caccaacata 360
gtcacacaca aatcatgat gctagcccc ggtgtacccc catggaccga tcaatctcat 420
```

agtggccgta tcgtttggtc tttttgtgcc cccgcgaata ctcaacggtg ctagatacgg 480
 tggattgaat gtgcacccat cggtacttcc tgagtaagta cggacatggt ggagctcaac 540
 cttaccggtc catgccaaact gagataatta cagcttccgt gggcctgcgc cgctacacca 600
 tactctccta gctgggagaa ccacgactgg cgttagcctc cagacattgc acctccagca 660
 tttcgatcac ggaacaatcc tcgccc aaac 690

<210> 20794
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20794

aagtctaattc tctccacaag gcatgataac atgcaaaata agctccgtga gcttcaggct 60
 caagtcgatg ctatggtatc agaaaagatc caactcgagc gcgaagccgc cgacgttcag 120
 aagcttctgc aggcgaagat atccgaagat gccgaagctg gagagagccg caaacttctc 180
 gagcagcaga ttcaggacct gaagaatcaa ttattccagg cacaggctga tctcagtagg 240
 gagegccagt caagggatga cgtacagatg ctgcgggagc ataagctcgc agagctaaaa 300
 gacaagtttg aatcattgaa cgaggctaaa atcaccatcg agaaggagat gtatatccaa 360
 caagatagtc ttcgacgggc tacggaggct cgggtcgctg ctgagcagtc aaggaaagag 420
 cttcagcaag aattgatcaa gcttcgggat cgatttactg cggctgaaga tgctcggctg 480
 agagctgagg ccgagatgga gcaggccctt gtgaaacaga ccaactcagcg tctggaaagt 540
 atcaggaaag agcttgacaa tacacagcac cgtttagagg aggtcgaagc ggagaggctg 600
 cgcttagcag cacgtgagca acaactcatg aacgccattg ctgagtctga aagcttccgt 660
 atccgtcatg atcagcataa ggaacgcttg gaaagggagc tagtcaactc caaaggccgg 720
 ttgacagcat ccgaaaatga caatcgtgct ctcttgacca aaatccagca gaaaaacctt 780
 gacattgcta gatctaattc aaaagcaagt gaaagccaac gcttacgtgt cacaacccta 840
 caggctgtat 850

<210> 20795
 <211> 352
 <212> DNA
 <213> Aspergillus nidulans

<400> 20795

cttcgcggga ttggcgctgg ggcagacat cgttctcgat gccaccggtg ctgaaccttg 60
tttgaacagc ggcattcacg cattagcacc tggaggaacg tttgtgcagg tgggcttggg 120
gcgccccaaat ccttcctgc cggtaggcca gatctgcgac aaagaaattg tcttcaaggg 180
cagtttccga tatggcccag gagattataa gaccgcgac ggtcttgtga gctcccaccg 240
catcaggctt gaaggtctcg tcaccacga attttcttcc tcccaggcgg aggaggcttt 300
ccataatgtc gccagtcgcg caggagtcaa aagcgtcatt tacggaccag gg 352

<210> 20796

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 20796

cgctctcgtt cgaggaaggg gaggaagcaa gctttggcgc atacaagggtg cgttaccgga 60
ctagccaaca gatctgacgg tacacagtca agctgatatg ctgcgcgcaa agaggatctt 120
tacattcgcc ggcaggacag aacttatect tcaggccgtt gctatccttg ctgcatgcgc 180
ctctggagca ggaattgcgc ttcaaacct catctttggc cagtttgtca ccgtcattac 240
cgatttcacc aacggaatct caacgccggc agactttcgt gacaatgccg tctagttggc 300
gtatgtatcc tctctgagtg ctgggttacag agctgacgag gttcagcctc tactttgtat 360
acctgggcat cgcgcggtc gtcctctcct acacctaaa caccctccta acctacgcgg 420
cctaccgcat cgtccgcaat atccgacag cctatctcaa agcggcgctg agccaagaag 480
tggcatacta cgatttcggt agcgggggct ccatcgccgc gcaggcaact tcgaacggca 540
aactgatcca ggccggcgcc tcggataaga tcgggtcttct cttccagggc ctgcgagcat 600
tcgtgacggc tttcattatc gcgtttgtgg tgcagtggaa actcactctg atctgcatct 660
gcatccccgt agccacgacg ggcacgacgg gggtagtagc tgcggtcgag gctgggcacg 720
agacgaggat cttgcagata catgcgcagg cgaattcgtt tgccgagggg attctggcgg 780
gtgtgaaggc tggtcatgct tttgggatgc gggatagtct ggtcaggaag tttgatgaat 840
atctgggtgga 850

<210> 20797
 <211> 599
 <212> DNA
 <213> Aspergillus nidulans

<400> 20797

atggtatgtc tgcgtcttac ctgcccctcc cccacatcca tcgctaaaaa tactagggtcg 60
 gaggctggcat cagtacagcc gccggtatcc ctgattttcg atcaccagat actggcattt 120
 acgcgaatct cgttcatttg gatctgcca atcctgaagc agtgtttgac attagcttct 180
 tcaggcagaa tccaagccg ttctacgctc tggcgcggga ctagctccag gacagtacag 240
 acctactctc ggcattcat tcgtaaagct actttatgac aagggaaagc ttttgaagca 300
 cttcacacag aatatcgatt gtttgagcgc gttggcaggc gtgccgggcg atatgatcat 360
 tgaagctcat ggaagcttcg cgactcagcg ctgcattgag tgcaaacag cgtatccgga 420
 cgacctgatg aaagaagcaa tcgcaaaggg ggaggtgccg aattgtgccg agtgtcaagg 480
 gctagtgaag ccagatatcg ttttcttcgg ggaagctttg ccctcggcct tctttgacaa 540
 ccgaacactg tccgagacgg cggacctgtg cattgtcatg ggaacaagtc tgtctgtgc 599

<210> 20798
 <211> 525
 <212> DNA
 <213> Aspergillus nidulans

<400> 20798

gaatatctct ggtttcatgg ttggcgcaga tgcagaaaag gccggtattg cgaagaacgg 60
 cgccaagctc gtgaccgccg ttgcttgtgc cgatgtaccg aagtttaccg tgggtgtttgg 120
 atctagtgtc ggtgctggaa actatggcat gtggtatgta ctttttggct ttccccctct 180
 ccttgactcc tactcagagg ccaaatatgt acaagcaact aaccatctgc cagcggccgc 240
 gcatactccc cccgcttcct cttcatgtgg cccaacgcta aaatcggcgt catgggatcc 300
 gagcagcttt cctccgtgat ggaagctgta gggagaaccg cagaccctga gcttaaggcc 360
 aggattgacc gcgaatccga ggcaaccttc tcctctgcgc gactctggga tgacggtatc 420
 atccctcctg cgcacacccg gcatgtgctg ggattgagtc tggcggctgc attgggaggt 480
 aagagcgata aagatgtaca gacgaaattc ggtgttttcc ggatg 525

<210> 20799
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20799

```
tctggatgcc ttgcaggacc tttcatctca tgctaagaga gaagcggcctt tgccaacatt 60
gggccagata gccagcaact caggctacgt tatcgacccg tacaccgacc accctcatct 120
gctggcggtg cttattggta tcatcaagac ggagcaggca ggatcgcttc gcaaggaaac 180
gataaaagtt ctaggaattc taggtgcact ggacccttat aaataccagc aaataagcga 240
aaccgcacca gacgtccacc atatcaacga agtacaagtg gtgtcagacg ttagtcttat 300
tatgcaaggc cttgcccctt ccaatgaaga gtactacca actgttggtta tccatactct 360
catgcagaac atacttcgag agaactccct tgcgcaatat cattctgctg tcatcgacgc 420
gattgttacg atctttaaga cccttggtt gaagtgtgtc cccttccttg gccagatcat 480
tcctggtttc atttctgtca ttcgaggttc accctcaagc cggctcgaat cttatttcaa 540
ccaaatggca atccttgtca atattgtgcg gcagcacatc agagcctttc ttctgaaat 600
aattgaggtc attcggaat tctgggacac gtcatatcag gttcaagcga ccattctctc 660
gcttgtggac gcgatagcca agtcccttga ggggtgaattt aagaagtacc ttgcaaactc 720
cattcctcca atgctggaca cactggaaaa ggataatact ccgcgccgcc agccttccga 780
gagcatttcc catagcttct tagtattcgg ctaagatggc aaagagtaca tgcattctgat 840
tgtgccctcc 850
```

<210> 20800
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 20800

```
tctctatcgt ccccgagtcg ctgggtgacc tcccgcgcct tcttttcagc gggccaagaa 60
ctccgcatga tctcctacgc gaagttgagc tcggtgcaga cctcctcacg atcccgtttc 120
tgcccgattc gtcggatgca gggatggctt tcaccttctc ctttcgggct ccatcagata 180
ccgcatcagc atcaaatacca tccaccgaac cccttcctct cgctgatgat ctttggtcgc 240
gatcaaatac tacaaatact ggcccactaa gtgaatcatg cgcttgctat gcttgtcaaa 300
```


gccatcatcg cgctacatt caccacctcc tctccgctaa ggaaatgctc gcatggaccc 360
 ttctccaaat tcacaactat tatactatgg acctcttctt cgctaacgct cgtaagagca 420
 ttgagcgcggt tacattcgag gcagatgtcc gcacattcca gcaaacatac gtggctgagt 480
 ttcctgagat cacgggtcaa 500

<210> 20801
 <211> 437
 <212> DNA
 <213> Aspergillus nidulans

<400> 20801

gatctgctcc gaacgttttt acgcccagac tataccagac ggagccatcg ggtatctact 60
 ctgcttggtta cgtcatatatt tattggttgg gtggaatttt gggttgagtt gtaactgaga 120
 cgtgggtttat acaggaaagc gaatgctatc ggccgttcca gcaagaccgt gcgagaattc 180
 cttgagcgca accaccagga tgatatggac cgagagcaga cgattcagct tacgatcaag 240
 tcgctgctgg aggtggtgca aacaggcgcc aagaatattg aagttgccat aatgtcaccg 300
 ggcaagacga ttgagatgct tcccgatgac cagatcgaat cttacgtcaa gagcatagag 360
 acggagaaac aggaagaagc agcaaagaag aagactcggg ccggcactac tacggcgggc 420
 atcctaacac gatccgg 437

<210> 20802
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20802

aagcatgata tcgaccggca gttcgttggt aggtatcttt ggctgcgtat cctcttgaca 60
 gactactgac cagtgtctac cactagctcg ggcaatccta ggattgttca atgcatoctc 120
 acttctttac tttgccagca gtttgccgag cacggctggg agagccactg ctatctggta 180
 cctgctgttt caagccagtc agttccacgt tctatactat gcatcgcgga ccttatccaa 240
 tatgttcgag tttggtatga ccaccttcgc tctggcatct ctctcccag aacctgtgag 300
 ctcagccacg tatcgcaagc gaagcagggt tgctctgtac ctgatcacia tcgcggggtat 360
 tgtcttccgc gctgagctgg cgctgttccg ggcaacgcat accctcttcc ttcttgcttc 420

cggacgcatc agcattcagc gtgagatcat tcctgccggc gctctgggcc ttgtccttgg 480
 tcaagccatc acactcccaa tagactcatt cttctggcag caatatcccc tctggccaga 540
 attcacagca ttttaagttca atgtagtcgc cggccaggct tccgcttggg gcacgcatcc 600
 atggcactac tacttcacca acgcgctgcc ccgtctcttc ctcaaccccc taacctacct 660
 catcggtatc cctatatccc tgctgcaacc tgcaaccggt ggcacgcga catccatcct 720
 catcccatca ctgcctata tcgccattta ttccatccta ccacacaagg aatggcgatt 780
 cattgtctac tcaatccatc ttacagctg ccgccgcgct aggacgtcat atatctggac 840
 gcacaggagt 850

<210> 20803
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20803
 gctatcagaa gaggatatag acaatatcat tacctttatc tcttcatcac aacgtacgcg 60
 ccgactatct tataaacgag ttattgaaga actaaatctt ccctgcggag aaactgcact 120
 tgctcgagca cttaaaaaac gagggctattc ccgatgcaaa gctcttcgaa agccaccttt 180
 atcggacgat ataaagcatg tatgtcttgc ctgggccctt gagcatgtga attggacaat 240
 taagcaatgg aattgaatac tttggcttga tgagacttgg gttactccag gcttctatac 300
 cagaatctag gttaccagaa gagcaggaga agagctagat gagacctgta tttattcatc 360
 taccctaaa aagcatggtt ggatgttttg gggatcattt tatggagata ctaaaggccc 420
 ttgccttttc taggagaaaag aatagggctc tatcaatgca gagagttact gtgagcgaat 480
 tatgcctatt attgacagct atctttgcct gaactgacag caaggtaact atctttgtct 540
 tatgcataat agagcacctg gccatgccag taaagatact atagcagagc ttcacgagca 600
 tagtatctat cctattagtt ggctgcctt ctcccctgat ctgaacccta ttaagatggg 660
 atagaactag atgaaagact ggatccaaga gagatatcca gatgaccgcc agctatctta 720
 tgatgcctta cgagaaattg tacgagcttc atgggatgca gtcctacag actttttgga 780
 aggccttatt gggctctatgc aagccagatg tcaggcagta atcgaggcag aggggtggcca 840
 tacaaaatat 850

<210> 20804
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20804

```
tggatcgatg acgagaaggg agaagaccga attcatccta gaacaagtcg cactctgcat 60
tgagcgtggc gattggacgc aagcgacagt tcttagccgg aagatcaata aacgataactt 120
cgcccgaag cccaagaaga gcgctgagga gattgagaag ctcaagaagg aggctgagga 180
aagagaaaag acccgcgcac cggacgaggc tcctatggaa gtggacgacg acgtcacgga 240
cctgaagctt cgttattacg aacagcagat cattcttgcc aaccatgact acaaatacct 300
ggatgtttgc aaacactaca gagaggtgct tgatacggat tcggtacaag agaatccga 360
acagctacga gcggttaagct tgctggccgc cacaagaag tccaacatgt cagaaactaa 420
ttcatagtca ggtccttgcg cacattgtat actacatcgt actatcgctt tacgacaacg 480
agcaatctga tttactgcac cgcattcaac aggacactag actttccgct gttcctgttg 540
aaatcttgtc tggatgaagct ctggtctgtc accatactta tgogctggcc cattgtttcg 600
gagcaatttg gtcctaattc gtgcaactct gatgttttca gccctaaacg gagtcagtct 660
gccgaaaacc gagccatata gaagatggca agaccttggc aagcgtgtca ttgaacataa 720
tgtgcgagtg gtggcaaaat acaacactcg cattcagatg ggccggttga ctcagtgaca 780
gaaccttacc gagaaagaaa cagagaagta catcagtgac ccgggcacgt cgtagacata 840
aacgcaaggc 850
```

<210> 20805
 <211> 575
 <212> DNA
 <213> Aspergillus nidulans

<400> 20805

```
acaatgtcat ccatgacgca gaatcgctt ttccggaat ataaaacact atcaacaaac 60
ccgccgatg ggattaccgc ggggcctgtc tctgaagatg acatgtttca ctgggaagcc 120
ttgatacagg gacccgaagg cacccttac gaaggtgggg tttttgctgc tgagctcaaa 180
tgccctaagg attacccttt aagtccaccg acaatgaagt ttgtcggcgg gggaagggtg 240
```

catgcgaatg gtgagttgtg acctctatgt ttcttttcgt ttgaacgaaa ggggagattt 300
atcggttaat gttccgttgg gcagtctatc ccgatggcac agtgtgcatc tgcattctac 360
acccacccgg cgatgatccg aaccactatg aacatgcctc ggagcgctgg tcgcctatac 420
aaagagtgga gaagattctc atcccagtaa tgagtatgct agcggagccg aatgatgaaa 480
gcccgacaaa tgtggaggct gcgaagatgt ggaggggaacg gagggctgcg tatgagcgga 540
aggtcagaga ggagggttaga aagggactgg ggtcg 575

<210> 20806
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20806

cactaattac tcgattgcaa tgaaacaata ccttcgtcta ggtaattgtg aacaatggag 60
gaacttcgaa gatatgtaca agagaaaatc attatttaca agtcctgacg tcagagccac 120
acgggtcccg tcatcgatt gcagaatagg tacataatca atttcgcgc ccaatttctg 180
ccagctagca cagccaagga acaaataaac ttcgcaagct tggaacatgc ggcagaagcg 240
caaactctcc aatggcgctg atgagcgata ccacccaat gccaacaaa cggcagattt 300
cggcatcgtg ctgcgcgact ttatccgcc agaaatgagc aacgcgcggt gcgaagctta 360
caacagcgga atcctggagc ggccgattga atcatggcaa aaagcataca cagagacgag 420
cgctcagcag aatgcgatga ccgcgaacgc ggcagtgggt cattggttca aatccgatct 480
acgtctacac gacaatcgcg ctctgcagat ggcgtatagg gttgcgcggg agcacaagat 540
ccccctcatt gggctttata ttctctccc agaggacttg actgctcacc tgtcaagtcc 600
ggcgcgcgtg gatttaacac tgcgcacttt ggagcagctc aaacgcgatt tgggggaact 660
cgatgtccct ttatatatgg agacacaggc atgtcgaaag gacattccgc gccgcatcat 720
caatctctgt caagaatggg gcgcgaacca cctcttcgcc aatctcgaat acgaagttga 780
tgagctccgg cgcgaggcaa agcttattcg actctgcgcg gagaacggga tccgattcga 840
gactgcgcac 850

<210> 20807
<211> 382

<212> DNA
 <213> Aspergillus nidulans
 <400> 20807

atgcttcac cagccagacg ggacggagag gcatctcctc tgccagccag agagttggaa 60
 aattgagctg ccaaattggcg aagtccaagc ccaacggcag caggtcccg c tgatcctcgc 120
 atgggctctg tccattcaca aggcccaagg ccagacacta caacgagtca aggtcgatct 180
 tgggaaggtc ttgagaagg gacaagccta cgtggctctg agtcgagcca cctcgaaagc 240
 cggctttcag gtgctccgat tcgatccgcg caaggatcatg gtccatccga aggtcattga 300
 attctaccga aatctgggttc atgccagcga cttgatcaag tcgaaacagc cgcctaagcc 360
 gcagcgcaca atatcgaatg ga 382

<210> 20808
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20808

cccttgatgg aggcggcggtt tgcgggcaat attccattca tgcagcgact gttggagaag 60
 gatcctgaag gactcaacat gggtgatggg gttggagcaa cagcattgtg gtatgctgtc 120
 tatgggaaaa acgtcccggc gactgcgctg ctgcttgaac agccatccgt cgatgtcaac 180
 caccaactga cagaaggcga aggccgagat gcctaccaag tcacaccgtt catgcacgct 240
 ctttggcacg gctgggggag atacgatatc atctctttgt ttatcaagca cccagcaact 300
 gacctgacat ttctggactc gactggccag actgccattc acctggctat acaggaagag 360
 cgagaggaca tagtacgca tttgctcgag tgcggtcgcc tcgatgtcaa tgctgcctgg 420
 ggtaatggct ggactccctt acacagcgcc gccgcaggct ataaggacac caaatcgtc 480
 aagctcctac tcgcacagga tggcatcgat gtcaaccggg ccacagtcac cggggaaact 540
 cccctgatga caaccaaata ccctcattgc atggaagtcc tgcttgctca tcctggaatc 600
 gagattgacc gtgtagatga ctttggttgg actgcgctgg gctataccgc atatcgcggt 660
 ggccgcgggg cactggaatg tgcacatgtc cttctacagc atggagcgcg ccctgatctc 720
 gtggacctgg acggctacac cccgagagat agagcagagc aggccaagca ctgggagatg 780
 gtgaagctat tggaggatgc cctcggccag aagtgaactt tggcgcatth ccataactat 840

cgagtctaaa

850

<210> 20809
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20809

agttccacaa gactcgcgcg gtgacgtgaa aaacctactc ttgttgaata ccggcttttt 60
tcaagccgtg ggggttattt cctttggtat gtccagttgc cacccttgca tatttcaaaa 120
cctggacta attatgctta gcatttggtt gccgtacgtg gtagtccccg gatagcactc 180
agacaactga cttttcaaca agaccacaat agcctcttga tctatggttc actgaaaaag 240
ccaacgttgg atcgggtttgc caaggtcact cactactcga ccgggatatc gctcttaatg 300
tgctactca tgggtgtctc tggttctcta ttcttcgggt ccgagacaca aggcaacgtg 360
cttaataatt tcccgccga taatattctg ataaatatcg cgcgactgta agagcaagat 420
ctacctaaaa ataagcccaa tattagttag ctgacactcg catagttgct ttggcctcaa 480
catgetcact acgttaccgc ttgaagcctt cgtgtgtcgt gaggtcatga cgacttacta 540
tttcctgac gagcctttca acatgaatcg gcacttaatc ttcacatctg ccttggact 600
aacatccgta gcaatggcac tgctaacgtg cgacctgggc gccgtgttcg aactgattgg 660
ggcgacaagc gcagcctcgt tggcctatat ctttcctccg ctgtgctata tcaagctgag 720
taatggctcg caaaaagcga aaatccccgc gtacgcgtgc atcgtcttcg gagtcaccgt 780
catgggcgtc agccttctac aggcagttgg gaagatgata aagagtaggt gtccctccta 840
tccataaaat 850

<210> 20810
<211> 443
<212> DNA
<213> Aspergillus nidulans

<400> 20810

gcaaaggtag cgattccgga aaaaggccct cgaaagcgag tgcaagtcgt ctttatgccg 60
gggccagatt tgggtccattc catgtctacg cccggagtat gaagtgagaa ggatctcgat 120
catattcttg gacagtacgg ggtatgttat gttgtatcta tcttaaactt cgcgcaagct 180

aactggtcta gactttcatc gtcgagcgaa gcgggacaga tattgacaag gcgctcgcg 240
cattgcagcc atggaaaaag aatatccatg ttattcaaca acttattcaa aatgacgtta 300
gcagcactaa gattcgctta ttcctcaggc gagatatgag cgtacgctac ttgatccctg 360
acccggtgat tgagtacatc tatgagaata acctctacat ggacgacggt acgacacaac 420
cgacggccga caagggcaag aca 443

<210> 20811
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20811

gggattgtgg aggggtgagtc tagcttgcca tgatgatcag ctgtctctaa tcgtatacgg 60
cctgctaatt cagtttctgc gcagacaaga tgctttcatg gagacctacc tcgcctcgca 120
acgaggggaac atcttctccg acgttgcaat cctaataatc gtcttgcaca ttgaatcgcg 180
tgaggtcgaa cgcgatctcg acacatacat ggctattatt gccgcattaa gagaatacag 240
ccccacgcc tacgttttct gccttgcca caagctcgac ctcatccaag ccgagcaccg 300
ccaacgcac tatgaggagc gctccgcgct catccgcagc cgcacagAAC acttcacgat 360
cgacaccttc gggagcagca tctgggacca gtccttgtaC aaggcctggg cgggcatagt 420
ccacaaactc attccgaatc ttagcggtat tgaacgattc ctgcacgctt ttgccaagcg 480
tattgatgct gaggaagtca tcctctttga gcgctctact ttcctaacag tgacatctgt 540
ctcctctgaa atcggcgatt taaatccgat ctatgaccga catgaacgat tatcaaatat 600
catgaaggcg ttcaagcact gcgctgctcg gaatacacac acgactccgg cttcggcagg 660
cttcgttgtc atgcatacca aaacacctca gtttaatgtc ttcctcggcc gcttcaactga 720
caatacgtac atctttatcg ttgtgccacc aggcgaggca gcatacaatt gtgccgtgct 780
gaacaccatg ctgcgaagag agggcttttc taaagccgca ggtgctgtcc acggtgatgg 840
cttcccgtt 850

<210> 20812
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20812

attgtttaaa ctcacgcgca gctgcgcggg gatcaccgaa gtatgtactt ctgcgatcag 60
gtcaattggt tgggacagct ctgatgatct acgtgcgcga ggatattctc agagacataa 120
agaacgtgga aggaagtgtg aagaagggtg gcggaacttg ctatcctctt ataaaactca 180
ctaattcggt ccctgcagac cgggctttct ggaatagctg gtaacaaagg aggctgtgcc 240
atccgcttcg aatattcgaa taccaggctt tgcttcgtaa ccgctcattt agctgctggc 300
tttgcggaatt atgatgaacg gaacaatgac tacgaaacta tttgccaggg acttcgcttt 360
cagaggaata gatttattga ggatcatgac gctgttatat ggctgggaga cttcaattat 420
aggattggcc ttcccaatca gacggttagg gacttggtaa gacagagcaa ttatcagaag 480
ctctatgaca atgatcaagt aagctatgtc ttcccatggc atccgtactt cactgacctt 540
ggtttagctga atctgcaaat gctcgcgggc agggctttcc aattctacag tgaggggtctt 600
gtcacgttcc ccccaactta caaatatgac gtgggcagt gacacatga cacttcgtaa 660
gtaactcaac caaatgccat atttgatgct gatttccagt gataaatcac gtattcccgc 720
atggtgcgac aggattctgt ggaaaggacc agatctgcga caaagcggct atggtgcttc 780
agacatgcga ctttccgacc atcgtcctgt atgggcaacc ttcacatgca caatctggcg 840
gccgttacta 850

<210> 20813

<211> 711

<212> DNA

<213> *Aspergillus nidulans*

<400> 20813

acgacgcaga caccaaaacg cctaccaccg ccgcccacac tctctctacc gtttctccag 60
acattgcgca cgagacgcgt taccctagcc tcgcaatctc ctgcgcccg ccaataatt 120
gcttatctag gcctccctca tgtcgaagtc gtcccatcca actttgccga ggacctttcg 180
cacgaactgc aacctattga atatgtgcta gctacagcaa cgcaaaaggc acaagatggt 240
tacgcgcgtg agatcgtcaa cgaggaaaag ggcgagcccg cgctcattct cgcggtgac 300
acaattgtcg tggagccgca gtctggcgca attttgaga agccacgctc ggaggcccat 360
catattgcca tgctgaaaag tctgagagat gcgaggactc ataaagtttt cacagctatt 420

gtggcgatgg cgccgctgaa cagtgcgagg gatccgggtt atgcgattga gacagcgatt 480
gaggagacgg aggtgagggtt tgatggtggg ttgacggatg agctgatatt ggcgtatgtg 540
aggacgagag aggggtgctga taaggctggg ggctatggga tgcaggggtt ggggagcata 600
ttggtcgagg ggattcaggg gagtgcggat aatgttattg gattgccgtt gaagacgaca 660
ttgagagtta tagagaaggt tctgatcaag gcagacgatg atgagcgggt g 711

<210> 20814
<211> 643
<212> DNA
<213> Aspergillus nidulans

<400> 20814

acttcctcca gccgggggga ggagcaaaaa aaaaagatgg gtcccttcag acatgcccaa 60
aaacacgtat tgggcaaaca gtttctatat gggattgttt gcgatccacc ctatagtgtt 120
cgtgaggggtc tctcgggtact tgggtccagg gatactagcc gtcgtaagga ggagctcatt 180
atcgacgggg tcttgcccat cgggtatgtcc tcttctaagg tctagccac gccttgctg 240
ctaattcttc ccagtcgacc cggatacatc ccgccgaaga aaccctacgg cttcgaagcc 300
atgatgaacg atatcctcat ttttgcagca cgtactctcg tcaccgggtg gcgtttatgc 360
atgtggatgc caacatccgg cgaggaagaa gcagaactct ctgtcccgat gcaggaaaat 420
ctcgaagtcc ttagcatttc cgtgcagccg ttcaacaact gtaagtatct tgatgctctg 480
aacaatccat cactttaatg agcacagttt aatgctttcg atttcttcgt tagggtcacg 540
acgtcttata acataccgga gactccctga gggcgattg tccgacgtat catcggggcg 600
gcggaaggat gatgccgctg gtgtgtcggc cgatgatctg aat 643

<210> 20815
<211> 588
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 20815

gacagtgtaa gcaaaccaac ccagggaggc gcgccaccaa cccacgaacc agggcggggc 60
aactcccccg acacacaaaa gcggcggaaa caccgaggca ccaccaacaa agccccggggc 120

aacggccac gnagagaaca gacgaggag acccaccagc acagggacca aaaccagcgg 180
 acagaccgga accacgagcg ggcagggccg ggcaccccg caaggggcac agaggaccgc 240
 gcgaccacca aaagggacca gaagcgaaac cggaagcaag cgccagacca aagagaccag 300
 acgcagcaag acagaccccg acagagagac aaccaccaac aaagaaaagc ancaagccag 360
 ccaaaacaaa cgccgaaacg cccagcgacc ggcacgaagc ggaacaagcg gaagcaccag 420
 aaagcacagc acgaggaaga agcggcgac accagaaga aaccagaacc gacacgggaa 480
 gaacccggag cccgcaagca gaaagcagga acgggggcag cggcacaag acacagccgc 540
 ccgcagccaa accagccaaa ccagcaactg caaccggaac caaccacg 588

<210> 20816
 <211> 844
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20816
 ctaccgctg cgccagctgc tcacaaaacc cgacctgttt gttgttgctg aggatctctt 60
 cctcacagag acggcagcaa tcgcagacgt cgtcctccca ggctcccaat gggccgagaa 120
 gaccggctgc ttcaccaacg tcgatcgac gatgcacctg agccgcaagg ccgtcgaccc 180
 gccaggagaa gctaaagctg atctcgacat attcctcgat tttgcgcaa ggatggactt 240
 taggaatagg gacgggggtc cgttgatccc gttcacgaat cccgaggagg tgtttgaaga 300
 atggaagaag atgtcctacg ggcgccccct tgactgcagc gacctcacgt atgagaagtt 360
 gtccggcggg tctgggatcc agtggccatg taaaaggag taccggttg gtaaggagcg 420
 gctcttcgac gatggcaagt tcttcacgga caccgactac tgtgagagct acggccacga 480
 cctggagacc gggacgccgc tgacgaagg gcaatacagc gcgatgaatc ccgccggacg 540
 cgcgatatta aaggcagcgc attatcggaa gccgtgggaa tcgccagacg aggaatttcc 600
 attttacctc tcgacaggcc ggaacgtatt ccatttcac acccgacga agacaggctc 660
 cagcaagagg ctgcagaatg ctgacaagga tgctgcctt gtcattctgtc aggcagatgc 720
 agatgagctc ggcgtcacga atggggagat ggtgattgtc agatcaagga ggggccaggt 780
 tgagctgcct gtaaagaccg aggggatcct aagctgggtc tccctatagt agtgtatatt 840
 gata 844

<210> 20817
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20817

```
ctacgggcgt agcatggcga cgcttatgaa tcccgtcagg gacccaaata ccctgtccaa 60
ctataacaac tggctttgca ctcatactac tgccaacttc gagatctttt ttgaggaaaa 120
gaaactcgta gggaacgtcg tccacaagct cagatcaata acgaacgctg agacggacga 180
gatcatcctc gactctcatc atgtggacat acgcaatgtc caggtggcgg gcttgccctgt 240
gaaagcgtgg gaacttctcc ctcccttggg cccttatggc acggctctga aaatcaaact 300
tgaaaatccc gtgggactca acgagataat cgatgttgat gtgtgttgag cgagtcgtgt 360
aggctgcctt ttgagctaat atactaacca ctattataga tcgctgtgca gaccactaag 420
gagtgcactg cactccaatg gctgactcca gctcaaactg cgaacaagaa acatccatac 480
atgtgttagt attaccttct gagctttgtg gttaatgtgt tgtgggttca cgactaatca 540
tcgctgggat ccagtttctc aatgccaggc tatccatgca cggatcaatct tcccggtgca 600
agacacgccc gatgtcaagt gcactttcga tttcaacatt acttcccctc tgccctgtaat 660
tgccagcggg ctacctgttc gcagtacctc gactgtcccc cagtctggcg taaaaaccct 720
ccaccgattt caccaaaaag tgccatttcc gagctacttg tttgctctcg ctagcgggtg 780
agagcaatga ctccctaccg tcactttaca gttcgtgtgt aaataagggt tagctacaaa 840
cgaagcctgg 850
```

<210> 20818
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20818

```
tatgcccag gtgacgcgga tgctgacata cccgctcaca atcggaagtg tattgcatga 60
actgagccct tatagcatca gaaaaaatca gagacttaca accgagggtc ttaagagtgt 120
gagcggtaag ctttctggta ctaatttttg acaccgctaa tcactgttag cecttcgata 180
ctccctacat ccgcctagga ccggggaggg cgctgatatc cagggcctgc gagtaaaagc 240
```

acctcctgtg cggatcttta tcctaggagc gcgcgctgaa tcatctctac ctgcgatgt 300
gtggcttcaa ctacagccata ttttcccacg gtctctcatc catctcatct tcatcgcccc 360
tgagagcatg gcgaaccgag acgaggagtt tcccctgccc gagcgacgc ctgagaaccc 420
tttcggagga attgttgaag acagactagg tggtcagatg aaaataacaa catatgtgga 480
ttatttccac acgatgtata aggcacaata ctttcagcct ttcgaccctt acctggactg 540
cattgtgtct tttcccccgc gtcttggaca ccctgccagc tcccacgagt gggaggaaac 600
attgcctctg ctgctggaga ccaaggttcc aatcatcacc actggctata cacagtggga 660
tatggagaga gatatcaact ggggtcgtga gaagtgtgcc gggaatttg acattctact 720
cgagccccgt gagaatatat tccgtagtct gcggtgggat cttaatgacc ttgaccaca 780
tgacatttct tgtggcaact ggggtttgtg ggcgttcaga gggaagaggt atgatctttg 840
tcctattcaa 850

<210> 20819
<211> 508
<212> DNA
<213> Aspergillus nidulans

<400> 20819

aatggccagc cggatcaatgt tttatttgtc tgtctcggca atatttgtgc gataaaccgc 60
taaccatgc ttactcgc cttataactaa cgaatgcaaa tccaatcag gccgttctcc 120
catggcagaa ggcgtttttc gcaatattgc cgccaaccat cccctgatca ataacattga 180
ttctgctggt acaggagcct accatgccgg tgagccgtca gactcacgaa ccatgtctac 240
cctccgccgc cacaacatca gaaactacca ccatctcgcc cgcaaggatca cactggagga 300
tttctcaac ttgactacc tcttcgcat ggatgaatat aacttgaag acttgctgga 360
gttgccgagc tctgttttgc cgtcgtcgag ccagtcgagc ggacgggagc ctgcgagca 420
aggaactaga gcggcgacga ccggttcga tcgctgcaac gtcgaagctg gtgctaaagt 480
tgcggaagtgc cgctgtttg gtgattat 508

<210> 20820
<211> 421
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 20820

cggttggtc tctcgaaacc ctctcagcc tacctcatcc gcggattccc cgtcgttatg 60
aaagcctcga accccgttct ccttggtat gtctcagca acgagcttct ttacgccnct 120
aagaacccca catctccatc tggagaagag ctctctagcg caactccggt cttttttgcg 180
catcaaccat ttgcggaccc gatggatagc ctgcaccttc gaccttgat ggacaaaaac 240
ccctatcacg ctgaacagcg gtacaacctt cctaatagtg ctgcgcatgt ttcaaagact 300
tggtcccggt tatgtcttat ttgtaaaca aggtttctct catgggctac taacaaaaaa 360
ggatgtatgg tctgttgta atgacctgc atctcgggag ggcgaatgga caagtggctc 420
t 421

<210> 20821
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 20821
tatacaaggg cagtgtccca agagccatcc caagtcagaa ctccgcgtga catgctttga 60
tattctcgag gtggaacctt cacagactga agccgaagcg agcttctgc tctgtctgac 120
atattccaac tccacaatca aggtcttcca tttatcatgt gccaacgaag acggccgctt 180
cagtctcta gccagcggca cgtacacgag caactgtctc acccaagtcc ggttctctcg 240
ggccccatcg tcgctttgtc tagtaaccac gtgcagcgac ggacacttta cgctttggga 300
cataaccgcc gtcttagagc aattctacca ccttgatcgg ccgctacgcc tgaaacaacc 360
gtcagctcc ctctcaatac cggaggagac aatcgctgc gaaagcagac accaaatcca 420
ctctaatagc ataaagacaa tcgacatggt acatctatcc gacactgtca ccctgttgct 480
cgccggaggc gacgacaacg ccatcacgct tacactacta cacaccgaca cagaaaccgg 540
cccggcaaca atcacaatcc cggacgcgca cacagcgtct gtcaatgccg taaaggctat 600
tgaagagtcg attgcccga acagcgggac tatccagctt agctttgcat cctctgggaa 660
cgaccaccgc gtcaagttct ggcggtgac cattgacatg caagaccgtc cggctcttga 720
cggggtccag gtggacaatg tgctggaccg gtatagcccc gtagcggaca tctcatcggt 780
ggacgttggt catgacgagg aggggatgaa gctgcttggt tgtggagttg ggatggagtg 840

gtttaccggtt

850

<210> 20822
<211> 500
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 20822

caatattgtc tgaccgtggt gtagttaccg ctcaccacct ttcgattatt attgattctt 60
gggcaggaga ccctttctgc tcttgcgagc ctgtcgccag aacccctgct gatcgagacg 120
ctctttctgcg cgccgctgcc tccggcaact ctaagttctt ctttggtcca gatagtgcac 180
cgcaccccg cagcttccaag agaggaggag agaagatcgc agcgggtgta ttcaccacgc 240
cgtacacgac ncagctcgtg gttgacgcct tcgagcaggc gtgccgaaac ggcgttctga 300
aggaagaaga tatcaccccc gagatcatcg agggcttcat gagtaagttc ggccgcgctt 360
tctacggcct cgaggagcag aaggagttca ttatcctcga aaagaaaggc gagaagggtga 420
caaataact caagtcggat aagggtggacg tgggtccatt cagaagggat caggagacat 480
ggagcttggc ttggtccgca 500

<210> 20823
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20823

ggcctaaaac caggcttaaa aggatcctac agctcctcct tagccccctg ccagagcaca 60
ctataataga gctgcctctc cctctattat gcatgctccc aacagataac aaagactata 120
gccctgccct attatagata tcagtatact tagacagctt gtgaactggc caaggggcag 180
gatttggtta tgcagtctac tttggcccta tcttggtaac caaggacat ggccccgcgg 240
gccccaggac agaggtctat gatgcggaaa tcatgggtgc tgtagaaggc ctacgcgcag 300
ccctgggata accatgtatg ggttactcta cacagctagt tatcctccta gacaacctag 360
cagcagcctc cctgctagca agctataggc ccactccaca taggcacaga ctgtcagagt 420
cctttggcca gcttgctacc cagtggttgg aagctccctc aatcctaacc aggccacgga 480

agcccccttta agtccgctgg atcccaggct attctgggat tgctgggaac aagctggcag 540
acaagcttgc aaagcttggg tcctctatat acagccctaa catcccccca tcccctgcat 600
acctacaacg ggagacaaaa cagtggcttc gtacagagac atatacagca tatactagta 660
aggcaccaca agcctacaag accctggata tcagacccca taaaaaggaa agccgcaccc 720
gcgagcacia gcttccccgt tgggtacttg gccgactcgt cgccgcccgt acaggccacg 780
gagactttat ggcataccac cagcgcttca accactcaga ctacctggag agctgctctt 840
gtggtaggac 850

<210> 20824
<211> 629
<212> DNA
<213> Aspergillus nidulans

<400> 20824
gaaagctaaa atgtccataa ttctgagatt agctgttaac aagaaggcag aatactactt 60
gctattcaag caatttaata aggttaatat aaggatgcc aagctgctgc agctgcatat 120
aatattaaat attcaatgtt aaagcaccgc gtcaaagggc gtgcttcacg cgttgattta 180
aaaccaaata gccaaaaatt cacctctaca gaagaatcta ttctttaaaa ttggataata 240
tctgcagagc aacgtgggct tccaattcaa tatcatcata tacaagaaat ggctcttatt 300
ctacttcaaa attgtcttgg accaactgcc tacattggaa aaaattaggc tagttggtag 360
gttagaaaac aaccagactt taaagccaaa tatatccgaa aatatgacta tgaacgcgcg 420
aaatgtgagg atccaaagat tcttaaggct tgatttgctt tagtacaaaa tacaattgca 480
aaatatggta ccttaaagga agacatctat aattttgatg aaactgggtt cttaattggga 540
ataatcgcta cctgcaaggc gtgcctttgg ttgagacttc tagattaagt tactagcttc 600
ttaggcgatt acatcttagg tagaaagcc 629

<210> 20825
<211> 772
<212> DNA
<213> Aspergillus nidulans

<400> 20825
gcccctctac gtgatgggat cgggcatctt ggaggaggaa aatgagaaat gaacgttttag 60

ctaatggctc atagcaatac caaacctacc tcgacgcctc gacccctttc acagcctatc 120
 gctggatagg cactgccgtg ctctttttca tcttcttctt ggcgatcatc ctgcgccagg 180
 gctggtacat tggtagctcc gttttctaca actaaattca agtacaaacc aaaataggta 240
 tcacagtaac taacgggacc acagtgcgat acaccgtcgg gatctacctc ctaaactctc 300
 tctctctttt cctacagccc aaatttgacc cctctctcac acaagacgag ggcctcgaag 360
 atggcgacgc ggggtgcccc agcctcccg acaagcagga cgacgagttt cgccctttta 420
 tccgcgtctt ccccgagttc aaattctggc actcggtac ccgcgccttg gccatcgggt 480
 tctctgcac ctggttctat ggctttgata tccccgtctt ttggcctgta cttgtggtgt 540
 actggattct gttgttcgtt ttgacgagta agtccagtct ctattttcca aaccgaacct 600
 tggctttcgt gtgtggacaa tttggaaaga taaatagtat gatcgctaac gcggcttgct 660
 ctgtccagtg cgccgacaaa ttcaacacat gatcaagtac cgatacgtgc ctttctcctt 720
 tggaaaggcc agatatggcc gctcatgaaa gctgactaaa cgatttacca ct 772

<210> 20826
 <211> 512
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20826

gacaagatgc ctctgataac gctcacaccc gatgaggctg acgacctcat ctacgatgtc 60
 cgcgccggcg actctgcagc cctggaagag gacctcacag ccctatccca gaagtattcc 120
 gtcaagccag ccgtaatcat tgccctggca gtcgactcgg cacctgaaga tgagggcggt 180
 agcgggtgct gtctcttaca ttacctgct gcaaatggaa accttggtat ttactcccca 240
 aattcccttt tgcattccag gccggatgtg gatagtatgc taaccatatg cagaaatcct 300
 taaaaagcta aaagagcagc ttctttcagt caaaaatga gaacattatt aacagcggct 360
 gaagtaaaga ccactgtaac ccaccgaacc cacctggaaa cacggcccca cactgggcag 420
 cgctcaacac ccacctagag tgcgtagagg tgcttggtga ggctggggca gatattctca 480
 tcaagaacga ggccggcctt gatgcggtgt tc 512

<210> 20827
 <211> 850
 <212> DNA

<213> Aspergillus nidulans

<400> 20827

agaacgacat ggcggaatgg ctacaagaca ccattacagc gatactcagc tgcagcccgt 60
ccagtgttct tgagatcgga acgggctccg gaatgatcct cttcaatata atcggcagca 120
tccagaagta cgttggcctg gagccctccc cccgggctgt ggatttcgtt agaagggcag 180
tccattgggt tccagaggct gccgggaaag ttaatatata atgcggcact gcatcagata 240
ttggacgact gcaggatatg gggacccttg acctcgctgt tatcaactca gtagcccgat 300
atttcccttc gcttgactat ctgcgtaaca cgatcaaaga ccttgtagc cagggcgtaa 360
aaagcatctt cttgggcgac atccgctcat atgcgctgta ccaggagttt caagtcagca 420
aggtccttcg gctatatggc cgcgggttaa ccattaccag attccgcaa catatggccg 480
agattgcccc tttggagaag gaactccttg ttgaccagc cttcttcacc tcgttgccag 540
cagaattgcc gggcatgac gagcacgtcg agatctggcc taagcgaatg aaggcaacga 600
acgaactaag ctgttatcgg tacacggccg tgttgacgt caaacgtgct gaacagccct 660
tgcttattcg agaggtaaaa gagatatcat gggctgactt tcaagcaagg ggtgggacta 720
caactcactt tcgcaaatgc tagaaatcag cgatgcttcc acagtctg cgtggagaa 780
tatcccatth aagaaaacga ttgtcgagcg ggacatggta cgtttactcc aagagctgcc 840
tgaaacaccg 850

<210> 20828

<211> 415

<212> DNA

<213> Aspergillus nidulans

<400> 20828

cacatccctc ggtaagtaaa gaacaatgca ttgatataaa actggagtta acaagcaaga 60
tagaacgta gatgatcccc tcgtcatcga agtcgcaaaa ttcttaaaca gaactccagc 120
tcaggttctc attagctggg ctgtgcaacg gggtagacga gtgctcccaa aatcaggtac 180
ccctgagaga atcaaaagca actttcgagg gtctggtgtg tcaaccactt tctactacat 240
accaatcagg atcctattaa ctctattgtg ggcagacttc attctaccg aagacgcctt 300
tcaggctatc cagtctctaa aacgacacca gcggatgaat ttcccagtc gacttggcgt 360

ggatatcttt gacaagggtg gtgaggagag tgcacagata caagctcttg agatg 415

<210> 20829
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20829

cgtctttcat tccgcgcgcc tcttctctac gaaatttatg aatgcaaata ctgatgggga 60
gacagctgca agcagcacc ctcgggcct cgtcgtccac tggatcggac ggtacaggga 120
gtgcatcctc ttccgatgga tgatctgggc tgtgggactt ggtctgtttt ccacattaga 180
tgagcactcg ggcgtaggaa agcagatcgg gtatgggac ttgacgggtg tgggcgttgg 240
gaatactttg cagccgtatg ctccaatcag tctgtataat tcagcatcga tgctaacgga 300
tcccgtgtgc cagggccctt atagccattc aagccggtgt cgagagacgc gatatggctg 360
tcgttacctc tttcagaaag tgcgtcctcc ctcttccgc tcctctagtg cttgcagtta 420
gtccagtcaa gagctaatta ctgcgaatcg ttgcacctac agcttcgtcc gaaatctggg 480
gggaacactc ggtctcgcaa tagcccagac aatcataaac aacctcatcc taagctccct 540
atcgccagtc catctctctc cttccgagca gaagtccttc ctcgcaagcc caactgccta 600
tatatctact cttcccgaga ccgaagccac acatattcgg agtctcctga taccagccta 660
caaacgcggc ttccgatca ttttcattat tggggctgcg cttgcggcgt tggcatttgg 720
tatecggttc gcgcttatga ggcaggttgg attggagaag ggagatgatg agaagcttaa 780
ggaggagggg agaagaaggg tggaattgga aaaggggatg aaggggcatg cggaaaagga 840
gggtggagat 850

<210> 20830
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 20830

gccacaagct acttagtacc tacgctccag tctcaataac gcactgcaac attttaaaat 60
ttactgaaac aaatattgag aattgaaaaa tgtcctccga ccaaaagaca ccccgttct 120
ccctgcca aacaaccgtc gtcttctctc tagggcgacc cggctcaggc aaaggaacct 180

aatccgcca cctcgctccgc gactatgggt tcgtccatct ctcggcaggc gacctcctcc 240
 gcgctgagca aattcggcct gaatccgaat acggcgctct gatcaagaat tacatcacgg 300
 agggcaagat cgtacccatg gaaatcaccg tcgcaactgct ctogaacgcg atggctgcgg 360
 actcgacgcg aacaaggaca agtatgagag cgcgaaacca cgcttcctta ttgatggatt 420
 tccgcgaaac tcgaccaggc ggtattcttt gaggagacgg tttcccgctg gagttcaact 480
 gttcttggat tgccggagag 500

<210> 20831
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20831

tgaatctgag gtcgacacag ctgccgtgct ctgcctgggt tatggcaagt tcatcaaagt 60
 ctggcggcag caggaagccg ctttggagag ctccagcctt accaaattgc tcctggcaaa 120
 ctctgcgcac gaagtacgca cacctctgaa tgccattgtc aactatctag aaatcgcgct 180
 tgaaggtgag ctggacggcg agacaaggga tcacttgagc aagtcctact ccgcatccaa 240
 gtccctgata tatgttatca acgaccttct cgaccttacc aacgtcgaga agggacagag 300
 cctcatcaaa gatgagccct ttgatttgcc caccactttc agcgaagcaa cgcccatggt 360
 tgaaagtga gccaacgca agggcttgaa ctacaaggta ttgtcacaac cggggattcc 420
 cgagaccgtg attggagatc agcggcgtgt ccggcagtcg atcagcaacc tcatctccaa 480
 cgcggttcaa aacacctcgt ccggtggagt gactgtcaag gtgtggcacg ctcttgggga 540
 gggcgatacc gacaaggcga cggtaagat cgcggtcctt gatacaggcc gcggtatctc 600
 atcaagcacg cttgagctat tgttccgtga gctggagcag gtgctaggag aagacgactc 660
 gcattattat ggcgggagcg aagaagggtg ggaatccgct ccagaggcta aggcgagcaa 720
 ggataaggct gttttgggcc tgggcctggc gttggtggct cgaatcgtgc gcaatatgca 780
 cgggcaactc actgtgcggt ctgaagaagg gaagggtagt cggttccaga ttctgctaca 840
 gttccctatc 850

<210> 20832
 <211> 850
 <212> DNA

<213> Aspergillus nidulans

<400> 20832

gtgacccaga gcaccccgcc atcaagtacc tgaacaccaa ggtcgaggag tactacatcg 60
gtggaaagct cgaggcagtc aacaagctta accactacga ttatgtcggc ctccgctgta 120
cgtttgagaa cacaacagga gcctgcataa atcaagaaag ataaatctaa cgcgatttta 180
gacacccccg cggaactccg tattcacttc gacaagctcg gctggacccg agttgttgcc 240
ttccagacac gggttcgttct gggttacttga ctcgagactg ggatgtcatg gctaacagac 300
ctaattaacc ctatgcacag agctcaccgt gaattgaccg tccgtgccgg tcgcgcccgc 360
caagctaattg tccttatcca cctgtctgtc ggtctcacca agcccgggtga cattgaccac 420
ttcacccgtg tccgtgccta ccaggccctt ctccccgct accccaacgg aatggcggt 480
cttgcctctt tgccccttgc tatgctcatg ggcggtcccc gtgaggctgt ctggcacgct 540
atcatccgta agaaccacgg tgccacccac ttcatgttg gccgtgacca cgccggctct 600
ggtaagaact ccaaggggtca ggagttctac ggcccctacg atgctcagca cgccggctcgag 660
aagtaccgcg cggagctcgg tatcgaggctc gttgaattcc agcaagtcac ctacctcccc 720
gacaccgatg agtacatgcc caaggacgag gttcctgcgg gcaccaagac cctcgacatc 780
tccggaactg aactccgtaa ccgtctccgt accggtgctc acatccctga gtgggttctct 840
taccgccgaag 850

<210> 20833

<211> 685

<212> DNA

<213> Aspergillus nidulans

<400> 20833

ggatcgcacc attccatgcc tctcacggca ctgaggcttt ctatgttctg atttactcta 60
catggagccg gctcttctga ccaccatgga cgtgatcatg gatggtttcg gatatatgct 120
ttcgttcggc gatctcgtct gggttccctt catctacaat ctgcaaacca gataccttgc 180
aatgttcctt aacgaacttg gcctgcgggg tatcgtcttc gtgctggccc cgacagtcgt 240
gggatacatg atcttccgcg gtgccacaa ccagaagaac cgcttccgta ccaaccccaa 300
cgaccgcggg gtcaaggaca tcaagtacat cgaaactgct tctgggtcca agctcatgac 360

ctctggctgg tggggcctag cccggcacat caactacctc ggcgactggc ttatgtcctg 420
gtcgtactcc ctgcccaccg gggattccgg ctttgtcatt gtcaacagcg tgagcccgtc 480
cactggcgaa cttgagaagc gagccgtgca gacaccagag tcgcgcggcg cagcttttct 540
aatcacctac ttattcttga tctactttgg agtcctgctc caccatcgcg agcgtcgcg 600
tgaggagaaa tgcaagaaga agtatggcaa ggacagggat agatatactt ccctcgttcg 660
cagccccatt atcccaggtg tctac 685

<210> 20834
<211> 316
<212> DNA
<213> *Aspergillus nidulans*

<400> 20834
aaatagtagc gtgatggaat ttctccctaa aggatggcgt aagcttgcag gagtcgggtca 60
gcttgtgtac caatggggag ctaggtggtc aggaatgaga catgtaggct cgtggcatga 120
cccgatggg gaaatatgtc agtttccga tactgatagg cgatgtatgt ccgtctataa 180
gaacggtagg atcggataca atgagactta ttttggcgag tgggcaaaaa gtgttttggg 240
taagtttaaa gaaagaaaga tggcaaagt tgtaggacgc aaacacagtt atggttcgct 300
agatggatgt tgggtg 316

<210> 20835
<211> 655
<212> DNA
<213> *Aspergillus nidulans*

<400> 20835
acgacatatg agcatgggtg ccaagtaatc gacgagaata aagaattcaa gtatgccttc 60
cgttctttct gacatgcaaa catgtttgtg cgcaatgcgg cttgatgtga cgtcgacggc 120
attcgctttg tatggcgatg ggagctaaca gtcatactat agtacgaacc tgaccaagta 180
tctaaccttc gaaaatgtca cccctgcagg tttcaactac catcttatct cggctcttgg 240
atctcaatcg acaggggaagt ctacccttct caaccacctc ttcggtagcc atttctccgt 300
catggccgaa acggaacgac gtcagaccac caaggggtatt tggctatcaa agaataaaaa 360
cggagacggc aagtcgatgg ccgataacat cttggtgatg gatgtggagg gtaccgatgg 420

acgcgagcgg ggtgaagacc aggacttcga gcgcaagagc gctctctttg cgctcgcgac 480
tagtgagggtt ctgattgtta acatctggga gcaccaagtt ggtctatacc aaggagctaa 540
catgggctta ctcaaaacgg tcttcgaggt taacttacag ttgttcttga aggataagaa 600
gtatgttact ggatgttcat tctcacatgc gcgaaagctg actattccgg gtcag 655

<210> 20836
<211> 476
<212> DNA
<213> *Aspergillus nidulans*

<400> 20836

agctcgcgac cgcttccatg gacacgccgg tcattgatgt gattcatata ctgggccagc 60
ggagtatatc tagtgtgccc attgtgaact cagaagggtg gcaatatttt tatgaagata 120
cgggctgccc aactaactgc ggcttaggtg tcgtatacaa cgttttcgaa tcggtagatg 180
ttgttactct aatcaaaggc ggggtatatg acgatttgag ccttacagta ggcgaagcat 240
tgaagaagcg gtccccggta tgaattgaag actaggaccc tgatgtcttt tgctgaccat 300
gctcgcagga tttccctgga atctatacct gctctttgaa cgacggttta gacactat 360
ttgatacaat tcgcaagtcc cgcgatgcac gactgggtgt agtagacgac aatttccgat 420
taaaaggcgt tcttacctg agcgacattt tacagtatat cctgctagaa ggcgaa 476

<210> 20837
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 20837

tacaaggaag gccctgagcc tgggtaccaaa tgccaccttg agcattgagt ctcttacaga 60
cggaattgac tatggttcta ccatcaatcg cactcggttac gaactcctgt ctagcaagg 120
tttcgctcag ttcaccggcc tgatcgagca gggtatcaag aaggctgaac tcgatgttct 180
ggacattgac gaggttatct tctccggtgg tggttccac actcctaaga tcgccagct 240
tgctcgcaat ctgttccccg agaagaccg aattttggcc ccgccactc tggcgccgc 300
catcaacca tctgagctgt cagcccgcg tgctgccatt caggcttctc tgatccagga 360
gtttgaaacc gaagatatcg agcagtcct ccatcctatg gtgactgcc cacctcacct 420

cagcaaggca attggtgtcg agttcacttc cggatgatgct gtcgagtttc tgctctcct 480
 taacacagag accgcccttc ccgcccgcg tgtggcccag tacagtgttc ccgccgaggg 540
 cggcgacgtc ctcatccgtg tctgcaagg ttcccgtag atcaaggtta ctaagcccga 600
 gcccagccc aaggaggaga agtccaaagc cgaggacgat gaagacgact ccgacttcga 660
 ctccgatgaa gaagaagaag acatccgcga gatttgtgtg aaaaccgagc agcccattgc 720
 tgagctcgcc gtcaagggcg ttaaggccaa gggtaaagtt gagctgatga tccacattaa 780
 cgccgacctc ggtctgcaga tcacagctcg agaagttggc ggccaaagcg ccgtccgggg 840
 cgctgttgag 850

<210> 20838
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20838

gcgcgagcga caaaagccct gcaacggccg tgacgagcta tgtcgaagtg tattgaatga 60
 tgagtgggcc tcccaccga cttgggcctc tgaagaatct ggcttcgttg cccacagaaa 120
 aaatcagtac gaagacgctt tacaccgat tgaggaagac aggcacgact atgatcacca 180
 tattgaagct tgcaaccgga ctatccagct tatcgagccc attgttcagc agttcctcgt 240
 catgaccgag ggggagaggg cagctttcca gcttcctcgc ggtcttgag gccaaagcga 300
 agcaatctat cagcgtgtga tcaagaaaat ttacgacagg cagcgcggag agaggatcat 360
 taaggagatg ttcgagcgcc cttgccatgt tcttccaatt gtgctcttcc gactgaaaca 420
 gaaatgcgag gagtggaagg ctagtcagcg cgaatgggat aagatctggc gcgaacagat 480
 gcagaaggct tactggcgca gtctcgacca ccaagcaata gccagcaagg gagttgacaa 540
 gaagcttttt gtggcgaagc atattcagac tgaaattcaa gccaaagcagc aggagagcaa 600
 aaatctgcgt aagagcggat ttcaagtgcc aaaacatcag ttcgagttct cattcacgga 660
 tccgaccgtg cttattgatg caactcattt gctggtgact ttcacgacc gtaactggct 720
 ggttttgtgc cgatcccaa aagtttgatg ttcacaaagg atttcattcc cggtttttcg 780
 gattgaccgt gacaccttca tgcatatga acgagcttcc aacgaacctt ccgattgac 840
 aggtgccaat 850

<210> 20839
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20839

```

atcgaattga ttgctagcat caacaggcaa ggttttagtgc atccgaaaga gtgcgctgga   60
gtcctagtct ccttgagac atccaccgtg ccagccatag ccaaggtagc gtacgatacg  120
cacaagatgc ttcaccagca gtatgagtct atgttcgaaa ggaatatat gcgtgccgtc  180
caggaggcgt tctactacca acgcgatgtc gttggggatc cctctggcgc cacggcccgt  240
ccatatgttg ccaagctagc gccgctattc gatatcgtca agataagtaa tagccggtat  300
caaaaaaagt tcctttcgaa cctctgctcc aaagtgaact tcgaactgaa gaagcttaac  360
tccagcggtg acccgccaga gcattctctg ctggcccgtt ttattttctc aaacctggca  420
ttcttcgact acaaccagct tgctgaacta gtggcgactg ttggctgctt ggagcgcatc  480
gtctccgga caggaacat ttagcacac gctattgaga ccgagatatt cccgcaaaa  540
caggaagcta tgcaggaga cgagggtgcc atggctgtgt cagccgagac tgtcagtagc  600
ttaccactgc caaatgtcaa tccggcgact ttacgacatc ttactgtagc agccgcgtct  660
ttgtcgatgt tgtgggaggc acgaacacat cttcgacgtc tgtacggagt cacggcccat  720
gtccggaacg atgcgaaggc ggccgctaag gagactaaca agtccgctac gaaggtaaca  780
gggtgcaatg gtgatagatt ctgggaggcc atttcccga atatgtcatc tctggacagt  840
cagcaaaaaca                                     850
  
```

<210> 20840
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20840

```

gggtgaggtc gtaatttggg agtctcatga ggggacgtgg tctaagaaa aggatgttgt   60
gcttgcgat atctgggccc ttgccctctc tgccgacggc cagtacttag ccggtaccac  120
gcaggatggt cacgtcaagg tctgggacat gaacgcaaac gaggaagaaa tacgtgatca  180
cgaaacaaag ggcagttttg gaacctgcat agacttggtg ggcattccgg tctatcgtct  240
  
```


gcgctattca aatctgatct tctttgatag tcaccggacg ggcgattcat tgccagcggc 300
catgagaatg gcagcgtata ctttttcagt acagaaacgg gacgcatgcc atttagtcta 360
tcaggatatgt cctacactta acattcgttt cctcgggatc aaaacgcgca cgtattaacc 420
gctcaatagg tctggtaaaa cgggtacggg cggttgcctt ttcccttggg gggaaattcc 480
tcgctgcggc tggggactct agagtgattg tgctatacga tacaacctct ggcgagcagg 540
tggcaagcct taccggtcat gctgcatgga ttctatcact ctcttgagc aatactggag 600
aatatctcct aagcgggtga gtgtcttctc tttatccctt gtgaccccg gctgatcaaa 660
tggtacaaga tcattcgacg gcaaagtcaa agtttgggtca attgatacga ggaactgtgt 720
tgcaacccat tccgaaaccg aaagagccat ttggagcgtg atatggttgc ctaagatcgg 780
aaagtcagag ggatttgcta cggtcgggtg caatagaagc atatctttct acagggaagc 840
cacaggaggt 850

<210> 20841
<211> 690
<212> DNA
<213> *Aspergillus nidulans*

<400> 20841
accaacatcc gcgccttcaa tctcgccgtt caaaccttc taagcacacc atcccagtta 60
ctgccgcacc taacagtccc aacaatcacc cagctccccg agtcaatagg tccgctcctt 120
gaaacccatt acggccgaaa agcagggtcag caaccgaaa aagggcgaga aataacaata 180
cgcgccctga ttcttgataa agacaacacg ctctgtcccg cgaagacaac gactttccca 240
tcgaagatct acgcgcacct ccatacgctc cgcaactcac ctacatctcc atttaacatt 300
tccactgccc caaactccat cctcatcggt tcgaaccgtg cgggatcgca tccgcgttac 360
gaatccgagg ctctcgagat tgaagagcgt ctggcagaac tcaaaattcc agtggtccgg 420
ttaccgtcat caccgaagga gggcgtgaat gttgagaaaa agccgttctg tggaaatgag 480
gtgctagagt ggttccggga gcgaggagta gtgcagcgag ccgacgagat tgctgttgtg 540
ggagatcggg tggggacgga tgtgctcatg gctaaggaga tgggggcatg gagtgtttgg 600
tgtcgggacg gagtcgggga ggaggtgaca aagggaaga ggaatgtgct tgaaaaaatg 660
gaagtctggg tagagcgata tttgagggag 690

<210> 20842
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20842

gtggcgatgt cgacgacggc ggggttgaat aggataccag cacgccctgg attcgcggaag 60
 aaggtggagg agtcgagaga gcatcagatg gcgcgggcag tggatgaatga ttgcttggag 120
 agtgggctgg atagcggtga tataaggtat ggtggcatcc ttaaattgag ttgctgttgc 180
 aatgattcta acaaaacagc aatggcaatc tacgcgttat tccatctggc ctgctccgac 240
 ctctccagca cctcaccaag ctcccatcca taaaagaagc tcccatcagc gaagaggtgt 300
 acacttcaact acaaccgttc ctccgtctct tcctttccgg caacagcttg aataccctcc 360
 ccggcgagct attcgagctc ggcaacctgc gcgtgctcag cctgcgcaat aacaagctcg 420
 ccgagatccc acccgcaatc cgcagactaa ctaagcttca ggagctgaat gtcgccgtaa 480
 accgcttata agtcctcccc 500

<210> 20843
 <211> 625
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20843

atggctgctg ttatcacgct ccagtcgtcc tcgacggctg gtctccaaca gggctctcca 60
 tctgaccgtc atctccttcg gccgctgctg cagaataacc ctgagcaacc gccgctacag 120
 cagcagccgc ttcaaccaca gcaatcccc tctcctgccc ccattggcac ccttctctgt 180
 cttctgcac tgggcccggga tggaccgagt tgtgacgcct gtctgcgag aaagagtcgg 240
 tgtgctatga acgaaatggt caacaagtgt tattcgtgcg actttcatcg ccaggactgc 300
 accttcaccc tatcatcatc gtcaaccacc acaacaacca ttaccacgac cgcgaccagc 360
 gcgaacagcg cgaacagcgc cagcagtgcc agcactgccg gcaccagccg tccaagcacg 420
 gctgacgtgc agtctaaaaa gcgtaaactg gacgatatca tcaatagtga tgcggattct 480
 cctaaaagggt aaaagccatt atctgatgag gttcgagagc cgatctcgga tatactttat 540
 cagagagaga ctggggcgct aattgttgct atcccgccag gttatcgacc gtttctaaag 600

ctgacagtgc tcgttgccct tgagt

625

<210> 20844
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 20844

atacatcttt taataacctat tcatcatgtc tggacgtaag tatttctcta tctcctaaat 60
ctgtctccca ctggacgatt gtcgtcgccg ttggaccgtg tcccaaaaca cgtgacgtca 120
gtcctttcct ccagatcaac cctactttac tcatcctcaa cctccgttat tctttacctt 180
ctgctaacac tcaactctaca ggcggaaaag gtggcaaggg tctcggcaaa ggtggcgcca 240
agcgtcaccg caagatccta cgtgacaaca tccagggtat caccaagccc gctatccgtc 300
gtcttgcgcg ccgtggtggt gtcaagcgta tctctgccat gatctacgaa gagaccctgt 360
gtgttctaaa gtcttttctc gaatccgtta tccgtgacgc cgtcacctac accgaacacg 420
ctaagcgcaa gaccgtcacc tcgcttgggg gggctacgc ccttaagcgg cagggcctca 480
ccctctacgg cttgtgtggc 500

<210> 20845
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20845

aaacagaaac ttatcttgca cgaatcgacg ctttgatttg tattgccaca gtggcttgcg 60
tgaacggccc gtcaagtatc accgtctcag gcgatcaaga cgctgtaaat gccctogaag 120
cgctggcaag aaacgacggc atcttcaccc atcgtctgaa gatacatact gctttccact 180
cccatcacat gaatccgatt gcagatctgt atcgacgcgc tttacaagga gctctatcac 240
caaatacaga taaagtcgag agtgacatca cattctcttc tcctgtcact ggacgcgcta 300
tcaccaacct ctgcgagctg tctgagcccg accactgggt tgacagcttg ctcaaaccgg 360
tccagtttgt tgatgcattc accgacatgg ttcttggcgc ttctggtgca tctagcgcca 420
atgtcgactt gattctcgaa gttggctctc atactgcttt gggcgcgccc attaagcaga 480
tccttgacga accaaaattt gccgggttag atatctcttg tctaggctct ctgggtccgag 540

aggtcagtgc agtcaggagc atgcactcgc tggctgctag cctagttgca gaagggcttc 600
 ctctggatct ggacgcagtt aatttccctc atggacggcc cccacagcga cgagctcttt 660
 cagaccttcc ctcatatccc tggaatcatc aaacgcgcca ctggtacgaa tcaaggttca 720
 acaagggcct ccgcgaacgg cacagccacc acatgacctt ctaggcagcc ttgtattggg 780
 aaccgatccg aacagtccta cctggcgcca catcctgaag ctcacaggac gccctgtgg 840
 ttcgcgaaca 850

<210> 20846
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20846

ttttctctcg cgtaaggcga cgctcgataa catcgccaag tttgacagcc tacttaatga 60
 gattgttgag tcaactttaa atgcggatgc agagaagcaa ccgaaagtag tttcgcatat 120
 gctcaagcgg gccctggata acgggtcaatt gacccccgag ctgtacagat acaatctgcg 180
 catgtcgttc atgttcgggc atgatactac tgctatcttc atgggactga ctatgtatgt 240
 gctgggaaat aatacagtac gcatcgctct ccctgcgcct tcctgctgt ttcgtgcggc 300
 tgatactatt attcatccca ttttctaggt cctccaagac cgctccgca ccgaagtcct 360
 ccaatcgacg ggcaagacta tccatcaact cccctacctg acttccctcc tctacgaagt 420
 ccttcgactg tacccccag taaccgaagt gctcaaccac actgtatccc ggcccacagc 480
 gctcgggtggg aaggtcacca ttcaccagc cacctggcta ggttgaacg cctacgggtgt 540
 acacactaac ccggccatat ggggtccga cgcatggaa gttaggcctg agcgctgggg 600
 tgacactgta aaggatatcc aagccagctt taggctgcag agtacgaagg ggaactatat 660
 cccgttctcg ctgcatgcaa ggaagtgcct tggacagagt ctggtgctta ccgaagtcaa 720
 gctgttgatg tttgagatgg tgagacagct taagtgggtt gttgaccga cgtataagct 780
 caatctgggc ggggtgagta gactatcttt tcttttccgg agtttgatct attttcagct 840
 tccatttggt 850

<210> 20847
 <211> 850
 <212> DNA

<213> Aspergillus nidulans

<400> 20847

tcagtggggg atcaagttga gaacggagtc attcgacatt gagcagtcgc aacgtttgag 60
cgctcttata ttgcacgctg aattgttggc ctcttccgtt ctggaaagtc cagtacaaca 120
gccttcagac acaagcggag actatagatc cagtacgctg tctgttctcg gattttactt 180
cacactggca gatctgttct ctacgcaca tactaacggg aacattaaac tcaactgtccc 240
tcttgcgccg tctgtctaca ccttcatttt cagccccgtg agctttgtta tctcgagcat 300
gaactctata ctgtgcagct acaagtcatc ctttgagtta tcaatgaatt ccgagacgct 360
ccagtccaaa gatccgcttt ggacacagaa gctcgttccc cagttcaacg gatataattat 420
ggatgtttgc aatcttgat ggcggaatcg agctcttaac tcagaggatc caaacgcgct 480
gggctgtttg ataccgccag caacaatagc tgcactaaca cagtatctcc gggaagtcaa 540
tgacaaagcc cgaaaaaaga gccgcgaatc cgcattctct tatacagttg ggtcgttata 600
ctctctgagc catcatgccg cgctgtgcaa tatgtctgcc tgctgctttt ctgatatcga 660
gaaggagaat gatgttggcg agactcaacc caggctacgg aagcctgtga cgcagagagc 720
tctgagtgcg ctagagaagg aaggagggat tcagatgacc tggcaagatt atagagtgcg 780
gatgctcgac tggatggatg ctgcgggaag cgtgggaatt gcgaatttga tgcgcacgac 840
gatgaaagct 850

<210> 20848

<211> 785

<212> DNA

<213> Aspergillus nidulans

<400> 20848

aagatgcttc tgaactggca taacctcatc gcccagtcca agaacgacat cgcaaagctt 60
gtcgtgtatg aaacaggtaa gcccatggct gaggccgttg gtgaggttga ctatgctctt 120
ggctttgcgt ggtggttcgc gggcgaagca gagcgcgttc gcggatccat tgcacagccg 180
tctatctcag agcgacgcac tttcgtgatc aaacagccga ttggggctctg catcgcgctt 240
gtgccgtgga actttccagt ggccatgatc atccgcaaag cagcagcggc attggcggcg 300
ggttgtaccg tcgtgatcaa accgtccccg gagacgccac tcagtgtgct ggcgttggca 360

gatttggcgc tgcaggccgg ctttggcccc ggagtgatca atgttctgac cacagacaat 420
 ttgaatactc cggacgttag tgaggcactc tgcaagcatc cccttgtgcg caaggtgacg 480
 ttcactggaa gcacggctgt gggacagctg attgcaaggc attgcagcga ggggctgaag 540
 aaggtgacgc tagagctcgg cggaaactgt ccgtttatta tctttgacga cggggatctg 600
 gagcaggcat tagctgcttt gatgattctt aaatggcgca ctgccgggca ggcttgacc 660
 catgcaaadc gcgtgtatgt gcagagtggg gtctacgaca cgcttctgcg catgattgtc 720
 aatgctacaa aacagcaaaa aaacggccat ggggcaagcc ccgggactac catgggaccc 780
 ctgac 785

<210> 20849
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20849

aatacttctt tgaagtgtgg gaccgccttg atgacgctgc ccgagcggcc ggggaagatc 60
 caaacaacct acagacgaag cccaatatt tcaggtatct cacgctgatg gccttcata 120
 cctatctgag tgagggcgtg gatgcagccg ttatcgaatg tggaatcggg ggagaatatg 180
 attgtaccaa tgtcattgaa caaccagccg ccacagcgat tacaagcttg gggatcgacc 240
 atgttgcctt tctggggaat acgattgagg agatcgcatg gcacaaaggc ggcatacata 300
 aggcgaacac taaagctttc agcgcgcccc aaccgccaag cgcggagaag gttttacgtg 360
 aacgtgctgc caacaagcac actgagctgg aattcgtgtc cagtcatccc gatctaaaga 420
 aaaatggcga tattaaactc ggcctagctg gtgactttca atatggcaac gctgcgctgg 480
 ctgttgccac tgctggagaa gtccttaaga aggtagggaa gctggatatc agcgtgggt 540
 tcagagagca gtcctccct gcggagtctt gcaaaggctt tgaacaggca caattagagg 600
 gaagatgtca gaccaggaag gaggaaaacg tcatctggta tatagacgga ggtcacacgc 660
 aggaaagcat caagctagcc ggtcagtggg tcgcatcaca aatcaaggca gactcttcgt 720
 cggaagcttc agcagcgaag aagctacggg tctgatctt caaccagcag actcgcgata 780
 gcaacgcgct ggcccagtct cttcacgaga ccctcgaatc tgccttggct ctaagacgcc 840
 atttactcat 850

<210> 20850
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 20850

```
gaactagatt gatctttgtt catctcttta taccatattc gccatgtctt cttctcttga 60
acagctcaag gcaactggca ccgtaagcta cccctctctg gggtactgaa ttcgacatct 120
acgaggagtc gccattgcta acgatttcga ttcaatatag gttgtcgttt gcgactccgg 180
tgacttcgcc accatcgaca agtacaagcc ccaggatgcc accaccaacc cttctctcat 240
cctggctgcc tccaagaagc ccgagtacgc cagcctgatc gacgccgccg ttgagaaggg 300
taagaagcag ggcggttctg tggacgacca ggttgacgcc accctcgact acctcctggg 360
cgagtttggc aagaagatcc tcgacattat tcccggaaag gtctcgactg aggtcgacgc 420
ccgcttctcc ttgacacaa aggcctcggg tgacaaggct cttcacatca tcaaggtacg 480
ccagacgttt ttctcttcga 500
```

<210> 20851
 <211> 637
 <212> DNA
 <213> Aspergillus nidulans

<400> 20851

```
atgggagttc cccgcatgcc aactaatag acaaagcttc gcaccacctc aaacagctat 60
ctccaaccaa gcaacaaata tccagcggtta gatacaatgt cctccaagg caaagtctac 120
gccatcactg gcggtgcaag cggcatcggt ctcgcaaccg ccaagctcct ttctcgcgc 180
gggggcaccg ttgcatagc cgacgtcaac ccgaccactc tcgccgaagc agaatcctat 240
ttcagctcca agacaccggt cgtccaatac acaatcactc aagtagacgt ctccaacaga 300
caacaggtcg attgttgat cgcgtcgatc ctaacgaaat accagcgtct tgacgcgccg 360
ccaatatcgc aggcatagtg gggaaggacc acggcgtcaa aagcgtggca gagctcgacg 420
atgacgagtg ggatcgaata ctcgcggtta atctcacggg gctgatgtac tgccttcgcg 480
cggagcttaa gaatatcgct aatggcgggt cgattgttaa tatggcctct atccactcaa 540
ctacaggtga gtggggttcg gtcccaaaga aaagcctgta catactaaca gagctcctcc 600
```

aggcgccccg aaatacgggtg ctacgcggca agtaagc

637

<210> 20852
<211> 377
<212> DNA
<213> Aspergillus nidulans

<400> 20852

gccgctgcgg ctggttcgat ctcgctctcc ttcggtactc tcagtcaatc aaccactaca 60
cggcgctcaa cctcaccaag ctcgacatcc tcgacgactt tgacgagatc aaggttgctg 120
ttgcctatac cttgccggac ggcactcgtc tggagaacac tattccagcg gacgcggagg 180
ttcttaacaa ggtcgatgtc gagtatgtta cattgcctgg ttggaagagc aacaccatgg 240
gtgtgaagaa atatgaggac cttccggaga acgcgcgcaa atacattgag tacattgagc 300
gcgagctagg cggcgttcct gtgaaatgga ttggtactgg ccctgctcgt gacgacatga 360
tttgccgtga gtagatg 377

<210> 20853
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20853

agtcaccaag tctcttggtg aagagagggg acgtttgcgg tatatgggcc aagtggatgt 60
ggcttacact tatatcgag agacgtcaaa ccctattgca ggagatggat cgcaggaata 120
aagtcggagg tattatggat cggcgttttg gtgagaacga cccgaccatg acaccggaag 180
aacgagccgc ggaacgattc gccagagcca gccaaaagaa actacgcaaa gactcgatgt 240
tcaatcttga ggaggatgat gaagaggagt ttacgcttac gcacaagggt gaatcgctat 300
cgttcgggtga tgaggatggc attcgcgatg atttccagga agatttagac gcaggcgaca 360
tgtcagatac tgaaatgcct cgaaagagaa aacgattcat tgacgatccc gaagccgagg 420
aggacggatc gcaagatggg gaagatgtcc cggaacgaaa gaaatcgaag cacgaagtca 480
tgcaggaggt catcgccaaa tccaagtttt acaaagcgca gcgacaaatg gcgaaggagg 540
acgatgatga attacgtgag gagctggata agggctctacc tgaactcttt gatatgctcc 600
gaggagtga accccctcca aaacaagaac cgccaaagga cgatcttgca ggaatgaatc 660

ccgatcgcg agccatcatg caaggccact ctgaggaga cccagaaaag gaggtagatc 720
agcgattgaa gcaactgact ttcgacaagc gatcgatgcc tacggaccgt actaagacag 780
aggaagagaa ggcggaagaa gaggcacaac ggttgaagaa actcgaggaa gaacggattc 840
gcagaatgcg 850

<210> 20854
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 20854

ctccgattct gcgaaaccgc cagcagaagg tgcaagagaa caccattgac cttgtcggtc 60
gtattgccga ccgagggccc gaatccgtca acgcccgcga atggatgcgt atctgttttg 120
agctgcttga catgctaaaa gccacaaga agggcatccg ccgagccgca aacaacacgt 180
tcggcttcat cgccaaggcc atcggtcccc aggatgtact ggcgacccta ctcaacaacc 240
ttcgcgctca ggagcgtcag tcgcgcgtgt gtacagcagt cgccatcggc atcggtgccc 300
aaacttgagc gccattcact gtctctcccc cctgatgaa cgaataccgg gtccccgaat 360
tgaacgtaca gaacgggtgc ctgaaagcaa tgaccttctt cttcgaatac attggggaaa 420
tggcaaagga ctacgtttac cccgtcacc cttctttgag gacgccttca tggaccgcga 480
ccaagtcac cgccaggggg cagcaacagt cgtctagcac attgccctgt gggttggttg 540
gctcggatgc aagaatgcca tgggtccacct cctcaagctg gtcttcccca acatttttga 600
aactagccct cagctcatcg acatagtcac ttaagccatt gacgcgatcc gcatggctgt 660
cggcacgggc actgtgatga actacgtctg ggccgggtctt ttccactctg cgcgaaaggt 720
gcgcacaccc tactggcgct tatacaacga tgcgtacgtg cagagcgcg acgcgatcat 780
tccttactac cctgagctag aggaggacgg actgaaacgg accgaattgc taatcatgat 840
ctcctctgat 850

<210> 20855
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<223> unsure at all n locations
<400> 20855

gcagaggact tctggcgcgc gctgccagtg cagaaggagt tgctagctgg tgtgctagcc 60
 tgcgacctca tcggcttcca cacggacgag tataagcgga attttatcga gtgctgttcg 120
 cgcggttggt acgtcagcgt caaggatgac agtattgttt accagggcca cacagcgcgt 180
 acgggcacgt tcgtcgtcgg cgtcgacccg gccaaagtca cggatgggct gcagactacc 240
 gaggtgaaga accgcatcaa ggaacttgag gatgagtaca agcataagac cgtgatcctg 300
 ggcgtggatc gactcgatta cacgaaaggc cttgtgcaga agctgcaggg atacgactac 360
 ttcttacggc agcaccaga gctcaagaac aaggtgaggc tcatccaggt ggccattccg 420
 agccgcgagg atgtaaaaga ataccaggag ttggagaggg agctgagtat gcttgtgggc 480
 aagattaatg gagaacactg tacgtaccga acctttcctt tccctcagac cgtccttcgc 540
 tgcttgccgg agatgggtgta ctgacagtga tagcgacgcc cgacggcacc ccaattatct 600
 acctgcacca ctccgtcccc ttactgacc tgacggcact ctaccgcac gcggacatct 660
 gcctcatcac ctctcgacgc gacgggatga acctggtcgc agcggaatac gttgcctgcc 720
 agaaagaccg gtttggcgtc ctctgtctgt cggaacttgc aggcgcggcc tccttcatga 780
 gcaaggaag catcaccttc aacnctcta gtgcgcagca gcttcagac gcggttataa 840
 ggagcgacat 850

<210> 20856
 <211> 772
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20856

ccaatcttat atggcgaatc ctgaccatgc caatgcaaac gggatatgcc ttggcgcgta 60
 taacgggcta gaagccgact cttcgggtcaa atgcaatcgc taataccagt cagctacaat 120
 agtgacggca tcatggcggt catgaaatcc gcggagcggc agcgctgtgc cgcaataatc 180
 cagctctttc cttggacgat gcaattccaa ggaccggaat ctatccgcta cgtagtcaat 240
 accgctcatg cagctgctgt tccggcggcc gtgcatttag cctactgcat taaggcccag 300
 gatgcagagc tcgcactgac gcttccgttt gactcaatta tggtagatgc ctcaacagca 360
 gacgaggagt ccaatatccg cttctgcaag agcattgtac agcgcgcca agctctgaat 420
 atcaaccatc gaagcggaga tgggtcgcat tgaggaggt gaggacggtc tgcctactgt 480

tgatatggag ggtgtcataa ccagggcgga ggatgctggag cctttcgtcc accagtcagg 540
 ggtacacttc ctggtccgg cactttgaaa tattcacgga gagtatctgc ccgggggtgc 600
 ggagaaggca tggaatcccc cggtatgtct ttctcagctg cctgtccttc gaaccatata 660
 gctgacatcc agtaccctgc tagactgagc gccattgggtg acttagtgctc ttccaaaata 720
 ccactagtcc ttcacggaac gcattcagtg ccagatgacc ttttcaaaaa cg 772

<210> 20857
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20857
 tctggaagca agatcttcat attattcctc tcagtgtctg aatctacctc ctctgttata 60
 tggatcggtc aaatatcggc acattatctt tcgtataatg actagagtca gtgggcttat 120
 aaatcccagg aaacgccaaa atcatgaact cagaaactgg caatgatctc ctgaccgaga 180
 cgaacatgtc ctcgtagcag tatacgtagg tgtccttaac cgtcgcccgga cttagcacta 240
 agtcggctcag gatcgcatcg atgggtcttct tgcgcgcta cgctcttttt gaagttccat 300
 ccaactatct tctcaagaag ctcaaaccga gcgtgcgtct tcttaatacc ctcccaacgt 360
 caaacctaac gccagccaca gagatggatc gctttcttga tgctgtcatg gggagcagtg 420
 acaatgggac tcgggtggggc acacaactat gcacaagtaa caggccttcg ctttctgctt 480
 ggaggtacat acacaaactc taccaccag aactgcgaaa ttatacgctt tgaactaacg 540
 caaaccagtc ctggaagccg gtctcttttc cggactcgtt tacttctca ctttctggta 600
 tcgcacatca gaacgaagca tgcgcgtagc ttgattctt gcacccgga cgctagcagg 660
 ggcttttggc ggcgcatag cttacggagt tggacatatg aaccaggccc aaggtctttc 720
 agcgtggcgc tggtcttcta tcattgaagg cgtccgtctt ttagcgtccg ctttctgat 780
 gtagttcatc ctcccagact acctgaatc cgcaagctgg ctgcggtgga gcttacagca 840
 attgcctgag 850

<210> 20858
 <211> 644
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20858

ccgggggtacc gggccggaat ttccgggttg acccacgcta atgacccatg ttgaaattga 60
ctggcagtgt gtgctttgtt gcaaaatctg gcagggtatac tcgtgggaga ggtagatagc 120
ctggagctca accatttcct caccgaagcg tctctgaaga ggttgctggg ctggataact 180
attccgggag gcggcggcac tgagcgcaag gctagtgtaa tgggtgggct cggagtaaac 240
agaaatggca tgtgtactct gcatctgcag aacctgtgac cgccactggc ccggtttaca 300
ctctagaaaa gtgcttgact ggtttggaca gggataaggc cgtgggttgt ctacaaagac 360
caatcaggct ccgtagctgt gatgacccat aattctggca taaggaagat ccttcagag 420
tctgagaaat gagattaaga gtgggaccct gtggcacctc gatgaatgcg atcgaaggag 480
ctgacattct actattcatg tcacccccca agaagggatt agctttgcaa gcttgaagcc 540
gtggaataat ttgaagatag aatttaacag ttgtcggagg tgtgcatgct taaaccgtgg 600
actttttata actacttcac gtagagtgtc atcatctcac ttct 644

<210> 20859

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 20859

gcttggtca ctgtcgtcct ttatgtcttc tcacgcca tcttgtccta gataacgccg 60
cattgtcgag aattgtcgcg gacagattac acgtgcaaga cccttccttc cagcagacga 120
accgcctcgc atgtctctta tataacggtg ctgaaggctc tttgctgacg atctgtaggt 180
gtctactgtc atgtctgcct ccacaccac gctccgatac ctgggtcata tgcataatga 240
cctcgtcggg catatcgcat ccctcattcc cagccgcgc agccatttcc tactcacctc 300
atacagcct tttacgggag ataatatcga tcaggccaag acgggtccgaa aaacaaccgt 360
tctggatgtc atgcgccgtc tgctgcagcc caagaaccgg atggtctcga tcaaccccag 420
caagtccagc tgctacatta gtatcctcaa cataattcag ggtgaggcgg acccaacgga 480
cgtgcacaaa tcgctgctcc gtattcgcga acgacgccta gcgtcgttta taccttgggg 540
tcctgctagt attcagggtgg ccttaacgaa aaaatctcca tacattcaaa acacacaccg 600
agtcagtggc ttgatgctgg caaaccacac ctctgttgcc acattattta agcgaatcgt 660

tcaacaatac gaccgtctgc gaaaacgaaa tgctttccta gaacaatata agaaggaagc 720
tccattccaa gacggcctcg atgaatttga tgaagctcgc gcagtggtaa tggatcttgt 780
tggggagtat gaggcggcag aacgagaaaa ctacctcgac ccagatgcgg gaaaggatga 840
agttggagta 850

<210> 20860
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20860

cttgggtccg aaactaccgt gacctcctac atctggccct ctgcgaatgc cttatogaac 60
ctatacgatg ggacgtcgtc gaggcagaag tgccgcggct cctcaaagac cgtgatggtc 120
tcgatacgct gacaattgta gccttcacaa ccgtgctttc taaaagtttg tccaatgctc 180
tggttaccga aggaataaag ccagcagaac ctccgacctc tataaataag accccggagc 240
gatatagcca ccgtccaggg tctgacagag gcaaactggc gatttgtgtct atgtctggtc 300
gatttccga ggcccttct accgattcat tctgggatct gctttacaaa ggccttgacg 360
tttgtaaaga ggtccccttg cgtcgatggg atgtaaagac ccatgttgat ccgagcggca 420
aagcgcgcaa caaaggggcc acacgttggg gttgctggct tgactttgct ggtgaattcg 480
accacgctt ctttagcatc tcgcccaagg aggcgcgca aatggatccg gccagagga 540
tggcattaat gtcaacttac gaagccatgg agcgaggagg cattgtgcca gacacgacac 600
cgtcaactca acgtaaccgc atcgagttt tccacggcgt taccagtaat gactggatgg 660
aaacgaatac cgcgcaaat atagacacct actttatcac gggcgaaaac aggggggttca 720
ttcctggtcg gatcaatttc tgccctgaat ttccagggcc cagttatagt aatgacaata 780
catgttcctc cagtctggca gctattcatc tcgcatgtaa ttccctgtgg cgtgggtgcct 840
acaatctgcg 850

<210> 20861
<211> 606
<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations

<400> 20861

tccgacaaga accgaggagg acgaacaccg acgacaccag accacagcca agcagcttac 60
gtcaagacaa gcccgaccac cagacacgcg ggccacgagc agcccgcagg accccgccag 120
gaagaaagaa acanacaacg ccaacgaaga agcccacgaa agcccaacaa aaacaacgac 180
gcaaacacga cgcacccccg cccgacaccg gccaccgcca aggacaacca ccagacgccg 240
aagcccaacg cccgagacac agccaaaggc cggaccgcac gacggccacc gaccgaagac 300
aaccgcacca gcaaacacag cacaagcaca cggacccggc ggagaacgaa cacagacacg 360
gagcacgcac agggacaaaa gaccaaacag gcccgaaaaa ggggccaac acgagcagaa 420
ccaagggccc agacgcaaaa caacaccagg ggccgaagcc cccccaagg aggcacaagc 480
ccgaacccga aaaaccccgga gaccccccca aaagcccaag caccaaggca ggccaacac 540
aaaccaacgg aagaccccca agaccgggaa aagccccca ccacggagcc aaacccacg 600
gagccc 606

<210> 20862

<211> 556

<212> DNA

<213> *Aspergillus nidulans*

<400> 20862

aatccacgca cttccgtatc atgaaaaaaaa ttcgagcgag cagagaatca ctcatgcttg 60
gatgtggccc atggttgggc aatggctgaa ggagaatgac attgtcatta ccgagactgg 120
aacggcaaat tttggaatct gggacactcg cttcccatct ggagttacag ccacagcca 180
ggtccttttg ggcaagtattg gttattcggg tggcgccgtg cagggtgctg ctctagctgc 240
aaaggaacag ggcaatcgcc gaacggtggt gtgggtgggc gacggcagcc tgcaacttac 300
tctgcaggaa atcagcacca tgatcaggaa taatctcaac ccaattatgt aagtttcggt 360
gtcaagaact gtttattcca agagaagcga cttggagaaa gcttctttat ctttaacaag 420
gggttttccc tctagcgggt cattcacgga gggatgaatg gttcaaggac tttcaaacct 480
ggatattaaa gggctccctt tgcgtttgtc gtccatggcc tattcctggg ttcataatttc 540
tgacttgagc agcttc 556

<210> 20863

<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20863

atctcttttc tccctcagtg gcaaaactgc cctcgttacc ggcggaaccc gcggcattgg 60
cgctgcaatg gccattgcgc ttgcagaggc cggggccgat attatcctca ttcaggtgcg 120
tccacccatt tcacctcccc atatccacta cagcacaacg atccactagc taacatgcga 180
cgcgcagaga gacaccagta acaccacgac aagagaccag attacgcgct taggccgcaa 240
agccacaatc cagccgcgcg aactttccga ccggtctgcc gttaaaggcca ttatcccaac 300
gctcgtatcg caagggcaca acccaacaat cctgctaaac tgtgcaggga ttcaacggcg 360
gcatccatcc gagagattcc ccgacgagga ctgggacgag gttctcaacg tcaatttaac 420
gagcgtcttc acgctctgtc gcgagttcgg cgttacatc ctctctctgc cagagtcttc 480
tttcacgccg aataagaaga agggctcgat tatcaatgtt gcttccttgt tgtcttacca 540
gggtggcatt acggtccccg cgtacgcggc gagcaagggt ggtgttgccg agctgacgaa 600
ggctctgagt aacgagtggg tgagcaaggg cattaatgtg aacgcgattg cgccggggta 660
tattgatacg gatatgaatg tggcgttgat caatgatgcg aatcggaatg cggggattat 720
ggcgcgcatc ccggcggggac gatggggacg gcccaggac ttaaggggc cgggtggtgtt 780
tttggcgagc gaggccagta gctatgttag tggagagctt gttacggtcg atggaggttg 840
gatggggagg 850

<210> 20864
<211> 808
<212> DNA
<213> Aspergillus nidulans

<400> 20864

cgacgcctct ggctgaacta ttctccggc actccccctt tgttttggtc gactatcctg 60
gagagatctg gctcaaccag atttatggca cattcaactc ggcgattctt aagattcttc 120
cattgctacg tggttattcc gagtctctca ctaaggctat ggtacagttc tatttggaat 180
ctcagcaacg gttcacaccc aaaattcaac ctcatatgt gtattcccc cgtgaactga 240
ctcgatgggt tcgtggtgtg tacgaagcga tcaaaccact cgaaagcctt tcagtcgagg 300

gtctggttcg tatatgggcg cagaggcac tgcgtctttt ccaggatcgt cttgttaccg 360
aagaggaaag ggcttggact gccgatgccg ttccgcgcat tgcgttggag cacttcccta 420
ccattgacca agaagccgct ctcaagggcc cgatcctctt ctgaattgg ctgtccagga 480
actatgtgcc agtcgagcag gagcaactgc gtgactttgt caaggcacgt ctcaagacat 540
tctgcgaaga agaagttgat gttcctcttg ttctgttcaa cgatgtcctg gaacatgctc 600
tccgtattga tcgggtcttc cgtcagcctc aggggcatct tatcctcctc ggtgtgagtg 660
gaagtggtaa gacgacgttg tctcgcttcg tcgcctggat gaatgggttg aaggctcttc 720
agatcaaagt gcacgggaaa tactcgtctg aagacttcga tgatgacctt aggagcgttc 780
tcagccgtgc tggttgcaag ggtgagaa 808

<210> 20865
<211> 753
<212> DNA
<213> *Aspergillus nidulans*

<400> 20865
tcagagatgc gtccctcaaa ccccgcccc ccagtgcag gcccggaactc cggccccgaa 60
gctcccttcc ccattcgctt ttctggacct gtgatcaagg gcttcggacg cgggagtaag 120
gaggtatggt tccgtcctgt ggactcacct ctaccgaaga aacaagctaa ccgaattgcc 180
aaaccagctt ggtatcccaa cagcaaacat ccccgtcgac ggactagagg aggtgctccc 240
caaagaattg ggggtgggcg ttactatgg cgttggttgcg ctggaccag ccacagcgcc 300
cgcgccttca tcctctgatt ctacatcagg agacgcggct ccgatcctcc cggtgtgct 360
cagtataggt tataatccat actacaagaa taagacgcgc tcgattgtga gttttgtgta 420
ccccctctc ctgtacttat ttgtccatca gaccagatct tgataccttt ctctttctct 480
tccatcaaac aggaaatcca catcatgcc tccctaacc tgccctctcc aacggctccc 540
agcgaagaaa aagaaaaagt caaatctcac aaacttcccg acttctacgg cacaagctc 600
aacctgctga tgctagggtat tatccggcct gaatacgact acgtttcgat ggaggcactg 660
gtcgaggata ttctgattga ttgcgaggtc gcgagggcga gtctgctccg cccggcttac 720
cgagtgtatc tggatggaaa tgaggacgaa acg 753

<210> 20866

<211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20866

```
atctacatgc ttctactcgag aagggggtca aatcagtagc gtgccaaggt gtcaaagaca 60
cggttgagtg gttgacggcg aagaaaaaga attccgactc tccaacccta agagtgggac 120
tgctgactgg caattctcgt tcgaacgcac tcttaaagat acgtgccgct ggaattgaca 180
ctgaactctt cgaccttagc atctctgcat tcggtgatac ccatgtggat cggatatctc 240
ttattcagga ttccatgaaa aagctgcgtg ctagggacgg ccctgacctc catgaaagca 300
aggtcatcat tgtcggcgac acgctctctg acatcgaatg tgctaagagg gctggatgtg 360
ctgtcgtcgc ggttgccagc ggaaactaca acatggacga cctggaaatg ctcgagccgg 420
atcatgcttg tgcacagatt ggcgagtcga gagcttacct tgattctcac ttgagccgac 480
ccgccactcc actgcctttg 500
```

<210> 20867
 <211> 498
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20867

```
tcaacaaaaa gacgaagacg agaaactcaa ccgcggaatc ggcgcgacac cggacttcgg 60
atgtatcacg ctgctgctgc aggacgaggt cgacgggctc caggttctcg acgccccgag 120
tgggcaatgg cttgacgtac gctctctaga ctgtctacgc ttgcgttttc taaaagaaat 180
caggtccaac ccgttctcgg cgcttacgtc gtcaacctcg gtgaccttat gatgcgcatg 240
gccaacgacc ggtacaaatc gaacatccac cgcgatgatca acaagtcggg gcgcgagcgg 300
tactcgatcc cgtttttctt tagtggaac ccagaccatg tgtgcaagtg tctgccaaac 360
tgctgcaagg caggcgagca gccaaagtac ccgcccatca cggtgaggga tatggtcagg 420
ggcgcgatata agcagagcta tggccgggct gaggcgtata agaaggagct cgcgagagaa 480
gcaaaggcgc ataagata 498
```

<210> 20868
 <211> 850
 <212> DNA

<213> Aspergillus nidulans

<400> 20868

agtattatct agaactaaaa tcttgctttg caaggtgcta taattatcag caagctaaat 60
ataagaatcc taggattatt aaaaagtagt tttataatct aagagagatc tgcagcaaga 120
aggagatttt actagtaa atctataatt ttaataagac tagctttact atagggctta 180
tagtaactgc taaagtactt gctaggagta agatactaag taatccttat ctaatttagc 240
taagaaacta taaataggta actataatta aatatattaa tactatagga tggtcagttt 300
tctctactat tatTTTTTaaa ggaaggggtct ttataaaaaa atagtatata gaatatagct 360
taccaggtaa tttagaggatt aagttaagta ataataaata aataatagac aagataggcc 420
tttgctagct ttaaaattac tttattccta ctagtactcc ttatataatt agctaattatt 480
aattacttat cttagacagc tatagaagct atctaattatt ttaatttaac aagctctgta 540
aaaataataa tataatatct ctttatatat ctgctagttt atcttatcta ctataactac 600
taaataattag ctatttttggc ctgctaaagt atatatatag aggtcttatt aaattaagat 660
catgccttgg caaatattat attaataagt ttgacttttt agaggcctat tcctgtatat 720
attaaaatat ttttaataaa agaataattt agagcagctt tactactata aaaataaagc 780
tatataacct agataagatt cttagtaaac tttatatatt actttttata ctatctcccc 840
ttctagtatt 850

<210> 20869

<211> 845

<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 20869

gaggcgcaga gggccaggca cttggccgta acggccgcgg attaagaccc gaccagaaaa 60
aaaaaacctt ggggacttga ggaangaagc cgagggaccc ccaaaacgcg gcgcaataag 120
agacagacaa agaagcgaaa gaaaacggag cgggcgccca atggacccta acgaaccaga 180
agctgacagc ggcccagggtg gaatcacagc gacagacgta gcgggaagca aaactgcaat 240
ataggccgac gagctctgaa gagagtgccg ggatggaatc atccgagacg aggataggca 300
gccgaggcaa agaaggaccg gcaccggacc cgccaagaac accaaccgag ggaagcacta 360

ccctaaccgg ccagggccaa ggagcaagcc gcacactgag agatgacgaa gaacgcgagc 420
acctcacgcg ggagttaaaa gcctgcagac cggaagacc cacacggcgc ggaaaaaaga 480
cgtaagcggc ccgctgaacc ggaatcagta caagccacac aacgggaagg gaagaaaaaa 540
ccgacaccca caagaggacc cgaccgacca aagaagaaac tcacaccgac ggaaagcgaa 600
agcgaacaaa acagggccac cgaaaggccc aggggaaggca aggcaaaaaa acaaaagggc 660
tgcaaaacaa aaaagcggga ccaacaaacc aggcgaaaca gggaacaaag gaaaccgaaa 720
aaccgctaaa gaggcagggc aagacaaagg aacacacgga gaaagcgaac acaaagggaa 780
ggaagaacta cgaacaaaac cgcaagacag aaagaagcac aaaccacagg aaaaaaagc 840
aagcg 845

<210> 20870
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 20870

gagtgtgtga ctctgtgtc tttacattat acttaagagt cgaacaatta cagacttgat 60
ttcgattctg atcccagctt acccgtcta aatatccaga acgaccctaa ataacaacca 120
agatgcaccc cacctcaacc cctccaacc tttcccttcc ccccatgaaa gacctgacaa 180
ccgaaaacat cacggaaaat gtacatatcg tgaactcgca atgccgcgat cctcgccttc 240
gttaccttct caaccgcata gtcagccacc tacatgactt ctgcctcgaa acgcgcctct 300
ccacagaaga atggaacaca ggcatccaat ttctgactga gatcggtcag attagcgacg 360
acctccgaca cgagatgatt cttctctcag atacactagg tgtctcatca cttgtggaca 420
gtatcaacca cccacggcaa ccgcctgcc aagaggggac ggtgctgggc ccgttcata 480
cgcatgacgc agcggatatg 500

<210> 20871
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20871

ctaggctgtg gtcgcagtca atttgaggt actggcggtta attcacatgg acttgcacac 60

tttaatgcga catcccacgc cgttgccgtg aaactggggtt caataactgc cgatgggttca 120
 gcagatattt actgttataa atgcaacgaa gaaagaatcg atcctgacct tgctacgcac 180
 ctgtatcatt ggggcattga tttagcgggg cgcgagaaaa cggagaaaag tctcatggaa 240
 atgcaagttg aacaaaatct gaaatgggat ttcttgatga cgactgaaga tggacaggat 300
 ctgacaccag tcttcggcgc aggcctgaca gggttgtcga atcttggaag cagttgctat 360
 ctgtctagtg tgggtccagt cctttttgat ttaccagagt ttcaacgcag atattaccat 420
 cctaacgaag acccgectct ggcagaaaca ccagctgctg atttcgaaac gcagctgcga 480
 aaactggcgg atgggtaccct ctgaggacga tactctcggc cagatgataa gactgtcgcc 540
 tctccaaagc cacaagaaat ccgacaccaa aagggttgg ctccatcgat gttcaagcat 600
 cttatcggtc gcgatcatcc tgaattctcg actatgagac agcaggacgc ctttgagttc 660
 ctactgcatg ttttcaagca cgtcacattg tccaagcacc ctgtagggat ggataatccg 720
 attgattctt tcaagttcag cattgagcag cggctgcaat gtctgaagtg cagaggagtt 780
 cgctacaggc tcgatgaaca agacaatatc tcgattccag tgcccgtcgc tcgagtaccg 840
 attcagaagg 850

<210> 20872
 <211> 536
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20872

tgaacaacga tcttattgat taacttatca tgaactaatg actgcaagac cgcttcgcgc 60
 caacacaggg gggctgttaa tcccaacggg gggatatac accaagacaa gaaggacaag 120
 aaccgaacgc ccataccac caaactcatg gcaaacatgc tgcaaacagc tggctccacc 180
 catctatct ctatcgacac ccaggctaga ccaacacaga cccttgtcaa tgcggcatga 240
 accagcatat acgttaacaa tagtaaaaat acaactgctc agaagaacct ttaccagagc 300
 aaccctggga aagtcagacc cgacactcgg ggggccaaca caaagcaaataaaaattatc 360
 atacaggtcc aaccccaaaa tctaggccca cacaacaaaa acccagaaac ccatcaacct 420
 tcgatctgac ttgtcttca atacaccctc taatcataaa gagccgcccc aacccaacca 480
 aaattccgc ataggtacct gttgtcttca agaaaagtta aaccagcatt cacttt 536

<210> 20873
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20873

gatagtgggt ggtgcattga cgcagtcctt gggctggaga tgggtgttct ggtatccctc 60
 ttacgtcaca ggctggcccg cggtagcttc atattgatct aactcttgac taggatcaac 120
 cttcctattg gcgccgtatc actcgcagcc atggttttcc tgctttcaga tcctccaacc 180
 cgtcgagagg gtaacttcac attgatccag aagatcagag cactagatct agtcagcaac 240
 tgcttggtta tcccgtctct caccacgtc ttcacgcgc tctcctgggc gggaacgaag 300
 tactcctggt ccgatgggaa agtaattggg ttgtttgttg tattcggcgt attgctgac 360
 gccttcttcc tgaatcagta cgggcgcggg gactcagccg cactcccgtt tcgcgtcatc 420
 aagagccgga atgtcatcgc cgggtttatc tacacaacat gcacgaactc aatgacaaac 480
 gtgcttgagt ggtacttacc aacatactat caagtcgtac aatcccggtt atgttcttga 540
 aatgtggccg attcgcaact acgagaagtg cgctaaccat gttgtctgct gctagacccc 600
 aggtgagagc gggtatctga tgatcccat cctacttggg atcatgctcg ggctgttctt 660
 ccagggcatc ggcacctcca tgtttgata ttacgtctcc ttcagatctc tcggctctat 720
 atgcatgccc attgccgccc cgttgatgac tacatacaaa cccatttat ccctcgocca 780
 gatcatcctt tattcaggat ttgctggctt cagcggaggt atcggtttcc aaggatctca 840
 gaccgcgcta 850

<210> 20874
 <211> 635
 <212> DNA
 <213> Aspergillus nidulans

<400> 20874

gcgcaaacac ataatccgtc acaagaatcg aatccgtaa accgggtaac ggaggagcag 60
 cgcgaggaaa tcaatgaagc tgtacgtctt cccgtatagc ccaattgacc gcggttctta 120
 ccggagcatt gactgattct tcctgctagt tcaccctett cgatctcgat cgtgaccgac 180
 atctagacta ccatgaactc cgtgtggcat tccgcgccct tggcttcact ctcccgaac 240

aagaactcat ctccctctta acgacgtacg gtgtcccacg tcctcaggtc caacagcaag 300
 ccgcagcgca acaatctcag caacagccca agacggctcc aactacgaat cccagcatc 360
 catctaacct gttgatgcc a tttctgcat ttcaagcagt aacagcggtg aaaatcctcg 420
 agcgagaccc gcgagacgag atcctccgag cgtttgagct tttcgacgag ggcgggaaag 480
 ggtatatcga cctggaggat ctgcgccgtg tcgcgcggga actaggggag acgggcctgg 540
 aagaggagga acttcgtgcg atgattgagg agtttgacct tgagggcggt ggcggtgtga 600
 cgagggaggc ctttgtgagt atctgttggc agtga 635

<210> 20875
 <211> 479
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20875
 cgacggagta cgttggett cccagctata tttccagcct cgcgaaaccag gacacctggt 60
 ctagtctgtga gtactggcgc tcgctcctca aaggctgtac aatgccggcc atcagctcat 120
 cctcgcaacc cagacgtcta ccatctagac aggtctacca cgattctcgc cgtgttagtt 180
 tcaaaacctt tccagcaggc atcaactctt caacgatcgt gcgatcggcg tgggctctga 240
 ccctaggcca acacgtaggg aaccagacg tactctttgg ggaggtcgtc tcaggccgca 300
 acggcgaccc cattgccgaa agagcagccg gatgctgcgc aaatctcggt cctgtgcgcg 360
 ctactatcca cccagcctgg accacacatg acctcctcag atctgtgcag caacagcttg 420
 tttccgcct gccgcacgaa tccctcggat tccgcgactt gatgcgcaac tgtacggat 479

<210> 20876
 <211> 692
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20876
 ctcaagatgc ataagatcgc ttctattccc ggtgacggca ttggcccaga agtggctctcg 60
 gccacaattc aggtcgtcaa caagctcgcc tcgaagctgg gcttcagat cgagttcacc 120
 catcttccat ggggaactaa gtactacaag gaacacggcc agttcatgtc tgacgatgcc 180
 ctggatatcc ttcgcaaatt tgatgccggc ctttttggcg ctggtggcga tcctgggtatg 240

ctgcttcac tgaaccccc tgcattgat taagaattct gaccttggtg gacgtccccg 300
 accatatctc cctctggggc ttgctgttaa agatccgcag tccacttcaa ttgtacgcca 360
 atgtccgtcc tgtccggact ttccctggaa ccaagagtcc cctcaccacg gctaaaaacg 420
 gcatcgactg ggtgcttgtg cgtgagaact ccgagggcga gtactgcgga caaggaggac 480
 gcagccatat cggccacccg tgggaggcag ctactgaggt cgcgctcttc acccgagtgg 540
 cgattgagcg gattatgcgg tttgcctttg agaccgctcg ctgcgggcca cgcaagaggt 600
 tacggtggtg aacaagagca atgcgatgcg ccccggttg gtcctttgga ccaagtggct 660
 tgcaaggtgg caaggatttc ccgccgttgc ct 692

<210> 20877
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20877

atcgcttgta ctcgaaaaca cggcattaaa gatgtatgtt cacgagcttg atatggcaat 60
 ctgcagacg agccgggcca tgttccacat gatgtgattc tcgctcacgc aatccgtcga 120
 gtattttgtg ctacgctag gtttttggtt agttttgcct cctatattaa ggggcgtcat 180
 gttgatcgat tcccacgaac agatggggat caaagctgat caatgacggc gaaatcagct 240
 tgtatcaatt tatcgtttca ttcattggtc tttacttctc cggccaagac accgcgctgg 300
 ccttcagttc gccagcagtg agtatggcca agcgcgttct ggcctatagg gatcattggc 360
 aggttgggtc acctggattc accaagggaa accaagctgc caactactac ttctggcttg 420
 acatgatcga cgggacagtc cgtggaactg acgacaaccg caacgagggc cctaaggacg 480
 gatgccgctc tattgacttc gaagacgtgc gctctgctct gatttttcgg attgaaccat 540
 gtccggccca ctaacactac ataatccaga tccgacgcgg cgcctttata gccctcgttg 600
 gcgcattggg ctgcggaaaa agtaccatga ttttcgcttc tcgagcgctt ctacgacccg 660
 acaagcggct ccatagatat aaacacgtca acgcgcgtgc caaccctaaa cccgcctatc 720
 gcagacaatt atcactagtg caacaggaac caactctctt tttgggtact atccgcgaga 780
 acattttgca gggcatacca gacttcggcc tcaacgcac aagaacagaa actggatcaa 840
 actccgactg 850

<210> 20878
 <211> 732
 <212> DNA
 <213> Aspergillus nidulans

<400> 20878

```
tcttcctctc aaaacagtac aaaccacacc ccatccaaaa tgacagaatt tgatcgcggtg 60
cacccatcga caacggccta catcgctgcc acagccattg tttccggaat cgctgggtac 120
tttatcggcc aaggtgcgtc gctaggacta ttctcaacaa aagagaaaga aggctggcca 180
aatggctata atgtgaagcc gcaccgaggc tcttcggatg aggaagatga tactgaacag 240
gaggagagtg atgaagagga aggcgatgga actgaacttg caaactttga gaacaatacc 300
gaggaggtta aattggtgct tgttgtgagg actgatctgg ggatgacgaa gggatatggca 360
cttttacctc tcttttttag tagccattta attgccctca ccagcgggat gctaaccgct 420
gtctgaatta ggcaaaatcg ctgcccagtg ttcacatgca actcttgctt gttacaaata 480
tctcgttgcg aacccatcta cctctacgat cctgcgtcgc tgggaacggc aaggtcaagc 540
gaagattgcy ctacagataa aatcggagga ggaaatgcaa ttgttgacag cgcaagccgt 600
cagtcttggg ctctgcgctc ggggtataca agatgctgga cgcactcaga tcgccagcgg 660
aagcggacgg tgttgggtat cttagggcca aaaagtgtag ttgacacagt gacggggccat 720
ctgaagctgc tt 732
```

<210> 20879
 <211> 547
 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
 <400> 20879

```
gcagaaaaga ggggaccccg ggtctgagga aaacggctcna aaacccaaag agacagcggga 60
gaccgggggt ggatgtagaa aggaaaggag gagggggccc ccgaacaaaa agagagaaaa 120
agagaggacg aaagcgaag acgaaagacg aggacagccg gagaaaaggg aagaaaaccg 180
agaagggaga caaagagaga aaaggggcaa aaggaagaga gaacagaaga aaaaagcggc 240
caacagaaag aggaggagag agagaaaacg aggggacaag gagaagagga gaaagcgcag 300
```


ggaaaaagga gaaaagacgg agggggcggg agggaaagag aaaagagaga agaaggcaga 360
 aaagaagaaa tggcagaacg aaaagaggac aaaaggaaaa gagacaggag aaaggcaggc 420
 agcaaaaggg aaaaagaaga agaaaagggg gcagtgagaa aaaggaaaca ggagaggggg 480
 aagaaaggca aaaacgaaaa atggagggga aaaaaagaa tcaaggggaa agaaaagccc 540
 aaaaaaa 547

<210> 20880
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20880

atcgtatgct gcttgtaac tgcaggctaa cagtgcagga tgctattcgt ctcttcagcg 60
 ggactggagc aggcaaagcg ccttatctcc tcctacaagc agaacgaggt cccgacaatg 120
 aatgcgaggt tatggagggc gaagaaggtg gtggattcga cattacaccc gggtatgttc 180
 cagatatgaa ccctattact ggctcactgt tcttttggtc gacttggtgt tgctaataga 240
 cacgggagcg cctgtcttcc tccccttcgg catgtcatgc tacgtcctct ctaacctggt 300
 cgttacggcg ggaatgctca caccgggcct taaggtaaca gcctcgcta tatggacaga 360
 ataatatatc tgacgggact tagaccaccg ggactttgct ctggcagatt gcaaatcagt 420
 ctctcaacgt ggcaatcaat aatgccaaact cgaacaaatc aacacccctc tccgtttcgc 480
 agatggctaa atcctacctc atggccgtgt ccgcttcatt ctccgtcgcg ctccggcctga 540
 acgctctcgt cccccgtctt aagaacgtct ccccaatac caagctcatc ctccggccgac 600
 tcgtccccctt cgctgccgtc tcgagcgcca gcgcgctcaa cgtattcctc atgcgcagcg 660
 aggaaatccg tcagggcatac gacgtatacc ccgttcctga gaaagagggc gagccgggtcc 720
 agagtctcgg acggagcaag gtcgctgcta agatcgctgt cggtgagaca gctttcaacc 780
 gagttctgaa cgcgaccccg atcatggctg ttctctctct gatccttggt cagcttgaga 840
 agaagagctg 850

<210> 20881
 <211> 476
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20881

ttccggtcgc atgttcgctc ccaccaaggt ctggcgcaag tggcaccaga aggtcaacct 60
cggccagaga cgtttcgcta ccgcctctgc cctggctgcc tcttcggtc cttccctcct 120
cttcgcccgc ggccaccgca ttgccaacgt ccccgaggtc cctctcgtcg ttgactccaa 180
gaccttcgag aacgcgcgcg tgaccaagac caaggccgcc gttgcccttc tccaggccct 240
cggtgccggc cctgagctcg tcaaggtttc caagtcgccg aagctccgcg ctggtaaggg 300
taagctccgt gaccgcccgt tccgccagcg ccgcggtcct ctgctcgtct acaaccccga 360
ggtggacggc aaggagcttg tccgcgcctt ccgcaacatt cccggcattg agacctcccc 420
gtcttctcgc tcaacctcct tcaactcgcc ccctggtggt cacctcggtc gcttca 476

<210> 20882

<211> 574

<212> DNA

<213> *Aspergillus nidulans*

<400> 20882

gactgcgatt acttgatagt cacaggctga gagaatctgc cgtgaaagca actactacaa 60
ccctgagatt gtttaaaatt tctcaagga agctcgtttg accgaacagt tgccgctcat 120
cactgtatgt gaccgattca actttgtgca cgacttggtc ttgtacctct accagaacca 180
acagtacaag tccatcgagg tctacgtgca gcgtgtcaac cctcacgca ctctgcggt 240
tgttggcggg ttgctcgatg ttgattgcca tgagagcatc atcaagaacc ttttgaccac 300
cgtcgaccca tctgtgattc ccattgatga gctcgtttcc gaggtcgaga cccgcaacag 360
gctcaagctc cttctaccct tccttgaggc cacacttgcc actggtaatc agcagcaggc 420
ggtatacaac gctctcgcca agatttacat cgacagcaac aacaattcaa agaagtttct 480
ttaggaaaac gatcttggtg acactttggt tgttggaaag actgcaagaa gcggaaccca 540
atcttgactg tgttaccgaa gggacagatg actg 574

<210> 20883

<211> 593

<212> DNA

<213> *Aspergillus nidulans*

<400> 20883

atactatgaa acgccagacc cggaagttgc tattggcggg agtcaaagga agtctgagac 60
 gcttgccttc tggggatcta ctcgtaggagc aaaaggagaa agcggcgccc aagggcaaac 120
 agaaaaaaaa ggcgctgta gtagctgaca gtcgcaacgc tatcaagcag ttgcacggtt 180
 gcgggctggc gttcaaagtg gtcaatgacg cgaaacgtgg agtcctcgta tatgttcgtg 240
 tctactccgg gtccttggac cgcggtagtc tattatataa taccaacttg aatgtttcgg 300
 agcgcgcacc tcgcctcctc aaaatgtacg ccaacgatgc ggttgaagtt gattcgatca 360
 gtgaaggaca aattgggggtt gtggtaggac tcaagcacgc ccgtactggc gatacacttg 420
 ttgcttgac taccaacaag ggcactccac ctgaacctct ggataccctc caactacgcc 480
 caattgacgt accgccacca gtgttcttcg caagcgtagc acctcacagc ctagctgagg 540
 agaaacggat gcacgagtcg ttagctttgc tttacgtga agaccctagc ctt 593

<210> 20884
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20884

tatcaatgct tatttgagca tcacgcctga gaaggtcagt aacacccttt ttggcatgct 60
 tattccagac taaccaagtt caggaattga atgatacctt cgaacgtgtg actcagatgc 120
 tcgagtcgtc ggtgacttcc gagcaggaag cagccaagca gggcaaccag cctacaaact 180
 ccggagacaa aatgccgcca acttcccaca cactcattga ccttgtcatc gcaatgtcaa 240
 tatacctacc tcgttcgagc tttgctgcac tcttctctct cgcagcagcg attctgaacg 300
 gtggcactgc cgatcagcag ctcatcaaaa aggctacaa gttaattccg cgcttagcta 360
 caactgagac aggagctgct gcgctaagag aaaggaacgc agagctccag ggcctcatcc 420
 ttgctacggc tgacaagaca cctgcatccg cgcgccggga tcgtatgctc gccatccatg 480
 aactcgtctc acacctcca acttccgacg tccatttcat cccttcaatt ctctcagagg 540
 ttgtactggg ctgcaaagag agtaatgaga aagcccgcac tgcttcgttt gacctgctca 600
 ttcagcttgc gaaacgcacc attgaccatg agctgaacct accgggcacc accatccgga 660
 actctcttgt cctcatatg cctgatgacg cccctgatgc tcttgccaca attgaggagt 720
 tcttcacaat ggtatctgct ggtctcgctg gtagctcgcc acacatggta gccgcctcgg 780

tgaccgcggtt gtcgcgactc tttttcgact tccacaagga catccagtct gccataccgc 840
 tggacctggt 850

<210> 20885
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20885

ggaaacaaga cattccacgc gccctcggtg ttaactactt taggtgatcc ccaaacctgg 60
 atcatgtgcc tcctcaccat cctcgtcact atcccttctg gtctgatcgt taccttttcc 120
 tcaatectaa taaaggggtt cggttatact tataaggaat cggctctcct gaacatgccg 180
 tctggcggtg taagtatcct ctccatcctg ttgtccacat acgcagtcgc aaaggggtac 240
 tcgaggtggc ttgcgatcga ccttttgctt gtcccacgc tattgggctc atgtctcatg 300
 agttttctgc cgaagagtaa tcaggccgga ttgttggtgg ggatttatat ggtaaatacg 360
 gtaaattctgc tcagaactac ccaattgact gaacataaga attgatagcc tgtgttcaaa 420
 gactgtcgcc cccttgattc tgatcttcgc ctggacggga gcgaatttta aggggtatac 480
 cggcaaggtc acaggctgcg cgtttatata tgcagcattc agcattgcga atatcatcgg 540
 cccgcagacc tttcaggcga gggatgctcc tgagtacgtt tccaagctc ttaatctgac 600
 ctttcgcgat caatcgtaga gctgtacgtc actgacagtg aatgaacgtc acagatatct 660
 tcccgctaag gtcaccattg ttgtcgcgaa tgctgcagcg atcgcggtct caactgcgct 720
 gaggttgctc tacgggagca ggaaccgaga ggctgaaagg ctaggggctc tggtttcggc 780
 gaagagctgg atggaaaaac gggtcgtcag gcaggtggag gaagaggaga ctggattccg 840
 gtatatattac 850

<210> 20886
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20886

ccctcaatcc tcgcatccat gtctcccca ctcagctcgc ctggcaccgc tttgacatcg 60
 aagagtctga gaccgatttc gtcgccggtc tcaagactgt tgccggctcc ggcgaccca 120

ccctccgtga gggcattgca acacacgttt acacagctaa caagagcatg acaaagaggg 180
 cctttgtcaa ctccgacggc gagttcctta ttgtcccca gcaaggcgcc ctcgacatcc 240
 agaccgagtt cggtcctcta tttgtccagc ccggtgagat tgtcgtcatc caacgtggtc 300
 tccgcttccg cgttgagctt cccgatggcc ctccgagagg ttatatcctt gagatctggg 360
 gctcgcagtt cgagcttcct gaattagggc ctctcgggtgc gaacgggctc gcgaatgcgc 420
 gggacttcct ataccgact gcgaaatacg aagtcgttaa ggagccgtgg gagattatct 480
 acaagctagg tggcaaattc ttcaagagca cccagcagca cagtccattc gatgttgtgg 540
 cgtggcatgg aaactatgta cgtcatgcgc ttccgaacct tcttccttcc tcttatggta 600
 aacgtaactg acagttattg caggtcccat acaaatacga cctgacaaaa ttcgtcaatg 660
 tcggctccat ctccggtgac cacatcgatc catctatctt ctgcgtcctt actgccaaat 720
 cccgcgacct taatgcccct ctgcgccgatg tctgatctt ctgccccgc tgggatgttg 780
 catcgcgtat gttccaccag gtcaacaatt cgaaaacata tgttacagga agcagaacta 840
 ctgccccctt 850

<210> 20887
 <211> 768
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20887

taggtcgaag catttcagtt gttgaataat atgctgatag tgaatgcata gactactaaa 60
 gcgcgcgcaa gcacctcca cctccctcat ggatccgtct cgctcccaat ctcatgcct 120
 gtcgcgacac aggcaagtct caagggcctt acatatgacc aattgaaaca aacagggtgc 180
 atgctctgcc tcaataacac gtaccacctt ggcttgaagc cagggcaggc tgtactggat 240
 gaggtagggg gagcacatgc gctgcaaggc tggaatcgca acatcctaac agacagcggc 300
 ggctttcaaa tggtttctct tctcgagctc gcggaagtca ctgaggaggg tgtccggttt 360
 ctgtcaccgc acgatggcac gccgatgtac gtttgagttt agtattacgg gcatgttcac 420
 tgacgaaaac aggctgctca caccggaaca ctcaatctca ctacagaatt ccattgggtc 480
 cgatattatc atgcagcttg acgatgtgat agcgactaca tcgccagatc acgaacggat 540
 tcatgaagcc atggagcgcg cggtgcgctg gctagatcgg tgcattgcag cccacaaaac 600

cccagaaaacg cagaatttat tctgcattat tcaaggggga ctggatctag agctgcgaaa 660
acggtgctgc gcggagatgg tagcacgcga cacgccagga attgcgatag gtgggctgtc 720
aggtggagag gcgaaagagg atttctgtaa agtgtatgtg acctgagg 768

<210> 20888
<211> 380
<212> DNA
<213> Aspergillus nidulans

<400> 20888
agaacaccac gggtaagaag caacttgctg tcgattcggt cgcacatgct ctcaagcagc 60
ttcctacaat tttggccgac aatgccggtc tcgattcaag tgaccttggt acccgactac 120
gaaccgcgat caacaacggt atgacgagct ctgggctgga tctgctcaca gcttggcggg 180
ggcattgccg acatgcgcga gttgggtggt gtggagagct acaaattgaa gaaggctggt 240
gtgtcgtctg cttcggaagc agctgaggta agataatatt tcacgctcat ttaagtcccc 300
gactaaccgt ctaatagctt ctctccgtg tggacaacat tatccgcgcc gctcctcgtc 360
gacgtgaccg gatgtaaatg 380

<210> 20889
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20889
aagcagcagc tggggaagcc aatacgcat gcttgggcaa accggacata cttccacca 60
acagacctga gcaaaggaga agcgtacaat ctttctgttc tttgctcggc ttcgaaacgg 120
gtccatgggg ctgaaatatc cgaagggtggc tatatccaag gtgcagggga tgacagcgaa 180
gcttggggcc acggtcttac accagctgta ttttgggctg acaaattcac gctcttgaca 240
cgggcagaag aagacctgcc cgagggtgatt gcggatttga tgcaggagag ccgtaagcag 300
ggttcggggc aggaagcgac acttatcgcc gccgtctcag aacctatatg tcagccgaac 360
ggatcctagc ttggctgcca atggtctcta tgacctggtt attgattgca atagcagcgc 420
agagactacg gaagagaaac ccaagcgtct gaatctaggc tgtatattcct caaagcaggg 480
cggccggggc ctccggaatc atttagacaa gggtcgggat ttcgttaatc tgcacctggc 540

ctcgagtccg tcacagtctc tgcttggtat gtgcgagtct gggaaggacc tttctgctgg 600
caccttgctc actataatct gcctgttcta taatgatgcg ggtaagttga atcgctacca 660
gcactattcc aaccttactc tgactgttgt aggtgagttt gtcggacctc aaacgcaacc 720
gataagtaaa cagttcatcc gacaacgtct tgcttggatc gtgtcatcga aacatgacgt 780
gaacccatca cgcagcacgc tgcagtctgt caatgcgttt cttatgcaac gaccggacta 840
ttaaactctt 850

<210> 20890
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20890

cgacggaagt aagagactat tataaacaat ccgcgtccga cgtctccagt cctaactctgt 60
acgtatgcca ggattgcctt atcccaaggg tacaggacat agcggatctg gatatttcag 120
atgtcaagtg gatcctgac attgagaagg aggtattgtt ctggcaatcc atatcaacgt 180
ctcacctctt tagactcata ataactgcta tctaactca ctcaatgggtt acataggctg 240
tctttcgtcg tctcgtccga aacaacttcc ataaccatac catagtagga aaaggaatcc 300
taattacggt acgccaggca tacacctaag caccaaaaca tcagtccatg ctaacgaatg 360
tcaggggaaa ggctatccgg accttgcaac ccgctcttcc gttcgcagga tctttcaaag 420
tacattccca cgatcgaccc tgacccaagc tcccccttc tatatcctcg ccgatggtga 480
tccgatggg atagccataa tgtcaacata caaatacggc tctatggcgc acacacgaga 540
gaatgaacgg ctgaaccttc cttgtctgca gtggctaggg ctacgcatct ccgagataat 600
tggaggctta gagtctgacg cggacgagac cctaattgtc ctaacaagga gggataggag 660
aaagattggg accatgttga aacggagtcg gatttgggca gtagatgggc ctgaggcaga 720
atggcgggtg gagttgcagc gcatgctgat cctgaatgtt aaagctgaga ttgagatact 780
gtacgaccgt gccggcgggc tcgaggggtg gattgatcgt catatgaaaa cacaggggca 840
gtaaatccta 850

<210> 20891
<211> 850
<212> DNA

<213> Aspergillus nidulans

<400> 20891

cacttccaca gcaactgcaac cgtcgtatgg ccggctctat aagatattca gtgtttgttc 60
tccctcacc cttttcacc ccttggagag gcacatgggc tgcttagtct gacagctata 120
ggcaaaatgg gcgtttctgt gcgccgtctt tctctttgag ctgggggtcct tgatatgcgc 180
cgtcgcacca tcgagtaccg tccttatcgt cggacggggc gttgctggta taggcgtcgc 240
gggtattttt tctgggtgcgc tggatcatcat tgcactatgt ggtggggtgc tttagaccat 300
cccgtttact gctgaatcct ctgacctgaa tagtaccct acctaaacgc ccgctcgtct 360
tcggtatggt cggcatgggt tggggcatcg catccattgc cggaccgctg ttgggcggcg 420
ccttcactga ctctgtctcc tggaggtggt gcttctacat caagtatgtc gctcgaccac 480
ggcattcaac cattattcac tgacacttga cctttactag cctgcccac ggcggtgtct 540
cgatggctat agtagccttt atcctgcagc tccctgagca aaacctatcc agcaaagcca 600
ctccactcct cgaccgcac aagcaaactg acttcacg cgtgccttg ctgatcccct 660
gcatcatctg ccttctgctc gcaactgcaat ggggcggaaa caaatacgcg tggagcaacg 720
gtcgcataat agggctcttc gtcaccttcg gcgtcctcgc gatcctaacc atattctctc 780
aaatcaaact cggtgaccgc gcaactctcc caccgcggat cataaccag cgcactgtca 840
tcacatcaac 850

<210> 20892

<211> 654

<212> DNA

<213> Aspergillus nidulans

<400> 20892

tcgagaggct tgtcgacgaa ttcagattga aagtatactt atccatgaac gctatgttcc 60
acaacgatga agtagaagaa ttaacagatt acgtttcatt tttaaagcaa gtaaagttag 120
atgcaattgt tttcggagat ccagcgggat taatggctgt tcgtgaagta gcaccaaata 180
tgcagttgca ctggaataca gaaacgacag caacaaactg gttcacttgt aattactggg 240
gacaaagagg atcaaagcgt gctgtattag ctctgtgagct tagcttagat gaaattgttg 300
atttaaaaga aaatgctgaa gtggaactgg aagtacaaat tcacggtatg acttgtatgt 360

ttcaatcgaa gcgttcatta gtaggaaact actttgagta tcaaggaccg aatcttgaca 420
 ttggaaagga aaaatattga agagaatatg gttttatatg aaccagagcc gttacataaa 480
 gtttcaatth atggagatga aatggaaactc acatattggg cccgacgaca tttgggtcatc 540
 gatggattaa aggacttatt gatgcttgag tgttgcttaa aatcgagggtg gactaaaaag 600
 tttgattcat tattgagtaa cgagaaatth ggcaagcgtt ggttatgcgt agag 654

<210> 20893
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20893

tcgctctcac tctccaaact attcaatata cggagctatt atgggagatg cttgcacgac 60
 gccgtggcga gaaggctcgt tggcgtgttg tcgtctttat tgaggctcgtc aaggcgatct 120
 gtcgacttht cctactacgc cttacgaact cgcgccccct tgtcagccca ccgctacctg 180
 agcgtgaaat agatcccagg tcattagaag aagatgacag cgattggaac ggaatggagt 240
 ccccggtcag cgaacggctc tcggatttaa gttggaacat gcctcgtact gggctthtca 300
 taccttctth gcccgacgtc aacgatgtth cgaattatct tatatccaag gtcttgacgg 360
 cagatgacat caaaccacca aaagcgctth tgcacagagt cacagggtcaa ggtcaattag 420
 cagaagthtct tcacatcatt cggccgggtta tctatgcact tgcgtccaa aaatggggta 480
 gcgataagcg aagctggagg ccctgggttg tgggctthtg gatggaatac ggctcacggc 540
 aattagccaa ggccgactth cgagagagag tcgctggttg cctccgcgga ctgaccggcc 600
 tcgagagaga ggagctgaag aagagaggct ggtcgatggg ctggtggttg atgcggggag 660
 cthtttatga gaacatcacg aggttcgtaa ctctthtaaca gatgggaagc attatgctga 720
 cattagtagg tctacattga gaggactcac ggataagatg agaggaaaac cacttcttga 780
 tctcgtggga agcatcattg aggattacga atacctatgg gataactact atthcccgac 840
 tgctacatta 850

<210> 20894
 <211> 582
 <212> DNA
 <213> Aspergillus nidulans

<400> 20894

aaatagaaaa ttcaaaaaa ttgcgcccgc agcgcgtgca tacaaaattt atcctaatat 60
actttgaggg agacttcatg gctgctaata tcaagtagaa ttctataact accagtatag 120
gctatcccta tattaagagg tcttgatagg atagatagta ttacttaata tttatagagc 180
agctcccagg cccttatata tatataagat agtataactt atcctagata aatccttaac 240
cctatcaaag aactaggtaa tagagtttat aaaaaagtac cctgaaatta aaaccagggt 300
tacttagaaa attaattatt aaaaaaact ttgtaaaaat cccaagataa tttacctatt 360
ttttaataag atatatagga ttaaagttga gtataggata ttagataata atatctatag 420
ctttgataaa accggctttg ctataggcct tatagcaact acttaggggt tggagcctcc 480
ctacatgcat tatctttaaa agcagagtcc ctattgacag atggtataaa gaaatcaaca 540
aaatattata ttggaggatt gagataagca ccaatagctg ga 582

<210> 20895

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 20895

tcacgatttc cagcattccg tgtttggttt gttacattac aacgctcttt gagtgcgcaa 60
aaagacccat cgcacgagtt ccataaagac cttattttat tgcgcaaaat cgaagtccag 120
gcggtggatt tcttccaagg agggagactg ggctttgtga aactgagagc agaaatatcg 180
aatgctggcg gcgagagtct tcctggggagc gtttttctgc gcggcggaag cgttggcatg 240
ctagtaagat cgcgcacacc tacaacacct cttgagtcg tagcatttcc atctgactgc 300
gccactaata gtttctcctt caaccgcacg atgttccttc cactgaagag gacgataaat 360
gggcagtcct tacggtacaa ccacgcatac ccgctggctc acttgcggtc tcggagatcc 420
cagcaggaat gctagatgat agcgggtacgt ttgcgggctt atcgtcggag ggaataactgg 480
aaccaacagg ctatgtcagt tcctctataa cgagggtggtg catgtgtctt ctctcgcat 540
acagtcactg tacgagccgg aagacggcga gacccttcaa aaagcagtat atccatcccc 600
cgggtggcagc gacgagttca tacccttggt cttatgagag aaacgaatag cacgcaaaga 660
tattgaagcc ctacaaggaa gattgactgg cttacggcag cacggagaga aaataacgct 720

aaaaattgtg ccactgaagg acttgtggaa agaggggtata cgagacggaa agactcttgc 780
 tgcttgggca ttgtacacgg gtctaaagag agacaacaaa ctctaactga aagcgatgca 840
 ttcgatctat 850

<210> 20896
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20896

tccggcttca tegtgtttaa acttcacgag gtcaaccttt cgcgcagcaa cgtgcatgtg 60
 gaaatcataa tggatgatta tatgttccca gtgtgggtcat cgcccaaaat cgcactaag 120
 actgctaaga tggaggacag taagtattct agtctttctg gaaatttgaa gttggctgac 180
 tttttatcca gttggcgatg cgtttgtgcg tgaacttgag ttctcaaaga tcacccttcg 240
 gattgtggag aagggtcaatg ccgacactga tgatgacgaa catatcgtgg ccaaactcac 300
 aggcgacacg ttcagtacgc tccagcgcac cctgtacaca cctacagagc ttgtcctccg 360
 atccaccgat ggagaggtga gcagagtcac agttagtgct cgatacattc ctgtcactat 420
 gaaactggat ccatcagaaa gcatcaacaa catgggaact ctccgtgtgg atgtcttgga 480
 cgctgccgat ctaccgtctg ccgaccgcaa cggctacagt gatccgtact gcaaattccg 540
 cttggacggt aaggaaatct tcaagactaa agtgcagaag aagaccctcc atcctgctg 600
 gaacgagttt ttcgagacgc caatcaagtc ccgtattggt gccaatctcc gctgcatgt 660
 ctatgattgg gactttggcg acaaggctga ttatctcggc ggtgtgccga tcaaccttga 720
 aatgctggaa cccttccagg ctcaagaggt ttctctaact ctagacggaa agtcggggcg 780
 gatcaggttg aagctgttat tcaaacctac gtacgtcatg cgtctcgcca aggatcatct 840
 actttctccg 850

<210> 20897
 <211> 514
 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
 <400> 20897

gggcagagaa gagcatcggc aacacctccg ccaaggccct cattaccacg caaacnaacg 60

ccgacaacga gcgggggtca agaaaagcgc gcgccgggcc cccacagccg agctctacca 120
 acaggacaca gaagccaagg cccaaggccc aggccaccag atcagaacag cccccccaa 180
 cccaaaaagg agaaccggcc gaccacaaac gggccaccgc gagaaagga ccagtcacac 240
 caaccacatg acatacgagg acgagggggc cccagcgac ggcggccacg ccacaaatgc 300
 gccagagaca acagacacaa gtgtcccaa ggccgcacc ccggctacaa gcccggaac 360
 aaacgcccgc gcccgaaaga acgggcacaa ggcagccgg gccaccagaa cccccagac 420
 cccccggccg acccaggga agacccaaac ccagccgcaa caaaagggtcc caaacccag 480
 aagcgaagca agagggcccc cctgaggaa cagc 514

<210> 20898
 <211> 501
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20898
 ttcgacgaca agtcccaaca ctgcattccc tttctccttc agcgtctgaa agcccaccag 60
 gcgcggcaca gcaacgaccc cgccaatacc ccgcccttct ttcttggaact gaacggcgctc 120
 cagggcgccg ggaagacagt cctggtatgg cctggccag atcagtaatg gacttgctga 180
 gagcaaggta ctaaggaatc gctaggtgtc caccctcaat tcaatcctcc gctctccgcc 240
 ctactccctc gccgtggtaa cactctccct cgacgacctt tacctcacac acgaagacca 300
 agtatccctc gcaaaaagca acccgacgaa cccgcttctc cagcaccgcg gccagccagg 360
 aacacatgat ctcccgcttg cgcaatccgt cttttcagct ctacgcgctg gccgtcctac 420
 ggcgatcccc cagtacgata agtccgcgtt tagcgggcaa ggtgatcgtg tccctatgga 480
 acagtgggag actgtgaatg t 501

<210> 20899
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20899
 gccgttgttt gtgggggttt gcgaaattga tgtttctgct cttggggagg ttcaggggac 60
 aaagggacat gctgtacggg gtattcattg ggagggggat gagttgtggg cgtggagccc 120

gtcctcgaga cctggtgttc ctgctccaga gtatctggag ggggtgggatg aggtggagga 180
 agagagagaa gctggtattg aggaaaaggt tcaagggcta gagttggaag ataaagatgg 240
 tcaggaagtc gaagcagacg ctgcagagcc tgctcatgaa gcggcggaag agccgattgc 300
 cgagaaagag cctacaacga aaggtacggt tgccgttgct accagactca aaataactaat 360
 aggagcagaa atcgatgatg cattcgaaaa ggcctttctt tattctctat acaaactaaa 420
 gcaggacaac ccatcaacac ccaaccatgg cctgtctctc cctatctcgc cgtcagcatt 480
 catggcaaac atgatcacc cgtatctccc tgtatacacc gcacagcaag ctcagtatta 540
 ccaaatacaag aaaacaagct ggaagaacgt gaagaagttc atcaagtacc tcgacaagca 600
 ggttctagtg aagtcaaagg accgcagcgg gcaggaaacc gttattcttg acgtggactt 660
 tgacgaccgc cgagtcgtca acttcactcc gtacaggctc ccgaacaaga atgcagtcga 720
 aggcgagga aagtcgtcaa atgaggctgg caagaagccc gcaacagctg cagacggcga 780
 cccctccgtg ggccagacgc ttacagtgc aaccttatac cgaccaacag caaacgtcac 840
 gccgacaatg 850

<210> 20900
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20900
 cccgccaaac cgctacctgg ctgaggaaat ggcattgccct ctgcgtcgag aatatcgatg 60
 acctggcgct catcctaacc gtcgagaacg gcaagactct cgccgaggcg aaaggcgagg 120
 ttctatacgc tgcattcttt cttgaatggg ttgctggtga agctgagcga gttcacggcg 180
 aggtcgtccc tgcttcaaata gcccaaccaga gaattcttgac tgtcaagcag cccctcgggtg 240
 tggctgcttg tcttgacccc tggaattttc ctatcgccat gatcacgcgc aagggtggcg 300
 ctgcgctggc ggccgggtgc acgaccgtct ggaaaccagc gggtagagac cgctgagtg 360
 cgcttgcgca ggccgtcctt gcaagagaag cagggtttcc aagcgttact atcaacgtca 420
 ttacgacgct gaacagtgtc gctgaagtgc gagcggcatt atgcaattcc aagcttggtc 480
 ggaagctcag ctttacgggc tcgacacgca tcggcaagct cctggcaagc cagtgcagcc 540
 aaaaccttac caagctgtct ctggaactcg gcggaaacag cccttttatt gtttttgatg 600

atgcgaaggt tgagacgggt gtcgaggcct gtattctcgc caagttcagg aactccgggc 660
 agacctgtgt cacggcgaac cgcattttcg tgcaggaggg tatctatgac cggtttttcgg 720
 cagcactggc cgagaaggct aaggcgctga aggttgggaa tgggtgctgag gaggggtgtga 780
 tcattggacc tctgacgcat gagecgcgctg ttgaaaaggc cgtcgcccat ataaaaggta 840
 gcttctcctc 850

<210> 20901
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20901

caaagccgtc actactctcg cgctccgac acccaactct cttctacccg gtccaccgtc 60
 gttcagctgt tgagcaacat cggtcgaag cgtgaggctc agcaatacct ttgcgacttt 120
 acttcggctc cgtcccagca gtttgccgtt atcaagggtg gtggtgctat tatcactgag 180
 cacctcgaaa ccctctcctc tgcgctcgcc ttctgaacc atgtcggtct gtacccgac 240
 gtcgtgcacg ggcgcggccc tcagctgaac cgcgtgctcg aggtgctgg tgcgagccc 300
 cagtttgagg atgggatccg cgtcacagat ggcaagacac tggctttggc ccgcaagctc 360
 ttcttgagg agaacctgaa gctggctgag gagctggagc gcatgggtgt ggggctcgc 420
 cctctcaccg ctggtgtctt ccaggccgac taccttgaca aggagaagta caacctggtc 480
 ggcaagatca acggtgtcaa caagaagccg attgagtctg caattgaggc tggtgcctt 540
 cccattctga cttccatggc cgaaaccccc gatggccaag tgcacaacgt caatgccgat 600
 gtcgcagctg gagagctggc gcgcgcgctt cagcccctga agatcgtcta tctcgtgag 660
 aaggagggtc tgttcaacgg tgacactggc gagaaaatct cgagcatcaa ccttgatgag 720
 gagtacgacc acctcatgac acagtgggtg gtgcgtcatg gtactcgtct gaagatcaag 780
 gaaatgaagg agttgctcaa cgatcttccc cgtacttcta gcgttgctat catccaccct 840
 gccgacctgc 850

<210> 20902
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20902

agggcattgt caaggggtgat catgtggttg tacctttgac cctcctacta ccttttagaca 60
acaggaggac tggctcaagg actgggtcaa tgggcagggg agtctgatgg agtcctccga 120
gagtacctcg ctctgccttg tattggcgcc gtgaaactcc ctaaagactc tcccctgaga 180
ttttcgcagt agtcgccttg gcctgcaccg gtgtgactgc ctggaacgtc ctgtacggga 240
acactcccct gaggtgaca gatcgtgtta ggtcaagata tgtaccatca aaaatgatta 300
aggaaatttg ataaccgctg aaacactatg agcactggtg gcgtgtcaat taccggcttg 360
cttggttgcta aggctgcagg ggcgactacg attgtgactt cttccagcga tgaaaagctc 420
gagtctatca tggcgaagtt tggctttgac tatggtgtca actacaagag ataccgggag 480
tgggtctaagg aagttcttcg cttgaccggc ggccaagggg tcgactatgt cctggagaac 540
ggcggttctg gtacgattgc tgagagcatc aatgcagtca agatgggcgg caacgtcagc 600
gtgattggac tcctttccca ggccaaggag atgcctgatg tgctggcctg gcgtcgccta 660
aaggcgcagt ggttcgcggt atcacagttg attctacca gctcttgag gaggtcgtcc 720
gctttgtcgg ccgtaaaggg ctgcgtttac agttgacaag gaattcggct tttctgccga 780
agaagccgtc aagacttttg aatccatcaa gtcgtgctct catatcagca aggtctgaat 840
caaggttgcc 850

<210> 20903

<211> 338

<212> DNA

<213> *Aspergillus nidulans*

<400> 20903

actccttcac gcagtacggg tacctcaact ggtccggccc tgtgattgca ctggctccca 60
tcgcattcgg cattttctac atctttgagt ctacttacag cttcacttct gactgctatg 120
gcgagaactc gtcctctgct attgcgggac aggggctgct taggaatacg ctaggcgctg 180
tatcgccgct cttcgcgtcg cagttcttcc ataatgtggg gagtcaatat gcaggtctca 240
ttctcgccat cgcggggaca gccctcgcgc ttattccatt tgccttcttt aaatggggcc 300
cgaagatccg ggctagatcg aagcttgctg agacggcc 338

<210> 20904
 <211> 793
 <212> DNA
 <213> Aspergillus nidulans

<400> 20904

```

atcaccgcca gctgtgtaaa tgggtgccctg tcagtcgaaa tgaatagtgc ctggagcctt   60
gaaaaaagca tgcgattcat atccaggatt gaggaagtat tgaatatgat tcttagcggg   120
accctagctc agcaggcgac tccagtgcctt acgccacagg tattcaacga ggagatgtac   180
acaccatatt ttgaattttc caaaacccca cgacgcggac cgatcttggt cctattgccg   240
ccaggggagg gaggggcaga aagctacttt aacaatatcg tcaagcactt gcccacgact   300
aatatggtcg tctttaacaa ttactacctt cactccaaga gtctgaacac gtttgaaaag   360
ctagctgaga tgtatttggg gcacatccgt cagatccagc cagacggggc ttaccatttc   420
atcggatgga gttttggagg aacaatcgcg atggaaatat cgcgacagct cgtggggcta   480
ggttcaacga ttggtctttt aggtatcatt gacacgtatt tcaacgtgcc tggagcaacg   540
cgggcaattg gcctcgggtga tactgaggtc ttggatccca ttcacatat atcccaacca   600
gaaccagccg atttccagtg cctcccagcc agcacagact acatcatttt attcaaagct   660
actaggggtga acgacaagtt tcagtctgaa aaccagaggc gtctgtacga gtactacgag   720
caaacattgc ttaatgatct cgactgttac tcctgtgct taaaccttca tctaaccgcg   780
ctgaggagga tac                                                         793

```

<210> 20905
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20905

```

tgaagaaact gcgcgtattc tcattttctcg cagcattcta gcaagggaca tcttcgagct   60
ctggggccac ggtactacct atgaggccct gcatgccgac gtccgcaggc ggacgcagca   120
cctctggaag caatacaagc aagcatcctt caaatttaac gtggaaagct tcgccggcaa   180
gcgtagctcg gcccaaaaga cagagatcat ccagtcgttc tcgtatttgg gctttgaggg   240
tcccatctca atgaaaaatg ctgaggaaga cttttgggtc atggagcagt actacgatcg   300
cacgcataac cctaccgctg ctactgggtat gtcgcagcat ccactgccgt ccaagctgga   360

```


ttcggtcct gtgaacattt acctggcgcg caagcttgcg gagagtagtc gtgaggtagt 420
 gaataagtat gatttaaaga agcgacgcta tatcagtacc acatctatgg atgcggagct 480
 gagcctgatt actgccaata tggctaatac gccgccggga aaattattct atgatccctt 540
 cgtcggtacg ggcagtttct gtgttgacgc gccgcatttc ggagcaatca cgtaggctc 600
 tgatattgat ggacggagct tccgtgggaa ggagatgcat aagtgggaaga tgacgggagt 660
 acagttgaac ttccagcagt acggtatcag cagcaaattt gccgattgtt tcacttcaga 720
 cttgaccaat acgccgttat tgggcaagca gtttctagat gggattgtct gcgatacacc 780
 ttatggtggt cgtcagggtc tacgggtact tggatcctag tattctatag tgtcacataa 840
 atcgcatgtg 850

<210> 20906
 <211> 359
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20906

gatgactact atgacatggt gccggccgca ccaacaagcg caaagcggat aacaaagcct 60
 tcgccgaagc ccaagcccaa gccgctcgtg aaggaggcca tgctgagatt caagaagaga 120
 ttggtcccgga cgggaaacgt gccatcacat accagatcga gaagaacaag ggtcttgac 180
 ctaagcgtaa caagctcaac cgcaaccac gtgtcaagaa gaggatgcgc tttgaggaca 240
 agaaaaagaa gcttcgtagc gttcgccagg tttacaaggg tggtgagggc cgtggtggct 300
 acgccggtga acttaccggt attaagaaga acctggtcaa gagtgtcaag ctttagttg 359

<210> 20907
 <211> 660
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20907

acctgcacag agagcaaggc tacagtcgcc gggaggagtt atctgggcaa gtacattatt 60
 gctggccacg aagatggaag cgtagccag tacgatgcaa aggtgcgatt gacatgtctt 120
 ggtttggcaa gtacactata tactaaagtt tgtctagacc ggtgagcagc tggagaacgt 180
 ccaggcgac gagtttgacc accagatcaa cgacctcaa ttctcccccg accgcacca 240

cttccttacc gtctccaaag acaaatccgc caaggtaggc ttccattatc accagactca 300
gaattggtaa ttcataatat gcagctcatg tctctctgta acctcgccat cctgaagacc 360
tacgttgccg acacaccgct gaacagcgcc gctatcactc ctaagaagga atatgtgatc 420
ctcggtggtg gtcaggccgc catggatgtc acgacaactt ccgctcgcca gggtaaattc 480
gaggctcgtt tctatcaciaa ggtcttcgag gacgagattg gccgtgtcaa aggccacttc 540
ggctctctga ataccatcca cgttcacccc gctggtacag cctatgcctc tgggtggagag 600
gatggttatg tccgtgttca ccactttgac aagccctact ttgattttat gtacgaagtc 660

<210> 20908
<211> 638
<212> DNA
<213> Aspergillus nidulans

<400> 20908
tgggatagct ccatctccat gcagggtgtg attccctcta caacagccct tctgcaacag 60
acgtcgcaga cctgtcgagt atatacaacc ttgtatcgtc tgccatctcc aaagcgacgg 120
ggacggtctt agctttggcc cttctcctat ccggtctctc tgccggcatt gtctgctcca 180
tggccggaca aatggtgtcc gaggggatgc tcaactggag tattcgccct tgggtccgta 240
ggctcatcac ccgttctatc agcatcatcc ccagtattgt gattgctggg gcggtgggga 300
aggaaggcct taataagacg cttacagcta gccaggtcgt gctcagcggt atactaccct 360
ttgtcagcgc gccgcttggt tattttactt gccgcaaccg gtacatgact gtgcccatgg 420
agcgggtaca tgatgcagat gcagatatag atacagacga gcagaccag cctcagaacg 480
ccgcagaagg tgacgacaac ggtggcagtg ctaccgacgg cgtcaaaatg ggcaatggac 540
ttcttgtttc tgctatagcc gtcttgggtc gggtcattat cgcggtcatg aatgtggcct 600
tgcttgctct tgtagggatg ggcaaggctt aactaaca 638

<210> 20909
<211> 595
<212> DNA
<213> Aspergillus nidulans

<400> 20909
ggatgtttga ttgcacatc cagtcttacc gtgccagaga cacagtattg ccagaggcgc 60

tgaaaagaca cttcacaaat ggcgaactgg cagcttctaa aaaagccacg catcaaccgc 120
 cagtctctta ggtactcctg tcaatccgat aacaattccg ctaacgcttt tccagtggca 180
 ttcaaccgca tgtctcggaa gacctgacgc tccggacggc accctcctgc ccaaaggaac 240
 gcatttcagc atgccctccg cggccatcct ccaggacaac ggcgtggaac cgggtgccga 300
 ccaattcgat gggttccgat actacaagaa gcgcctcaac cccgaggaag ccaacaagca 360
 ccagttcgcc atgaccgaca acaacaacct ccattttggc cacggcaagt actcatgtcc 420
 cggccgcttc ttgcctcca acgagatcaa gatcatcatg gcgcacctgt tgaccgacta 480
 cgaattcaaa taccctccggg gcgcgacaag gccgcggaat ctgacggccg atgagaacct 540
 gtatccagat ccgtcggcac gtctgtcat gagacgacgg gtggtggctc cgccg 595

<210> 20910
 <211> 830
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20910

accgtcatgg gcgatacagt ccggacagat gtctgatcg tcggggccgg cccgtccggg 60
 tatgtactc tgctgtctc cctttgtct gcggaactac gtagttaaca gcatgtacta 120
 actgtgagtg aacagggtga tggccggagt ttggatggcc cagatggggg tgaacacgat 180
 gataattgat caaaagcaca atcttacgcg atgcggtcga gccgacggac tggagagtcg 240
 aacattagag attctggaca gtttcgggct cgcagataaa atctggactc aggcaaacca 300
 cactgtggag attgcgttat gggtagact ccccaaattg ctctcgatag gaaaccact 360
 gattcgagct ctgttatgtt cagggcgctg gagccgatgg gaggttgcaa aggcagagca 420
 tcaccgcaaa ttccaagcct ggatgggtcc ggttctatga gtccacgctt agccagggcc 480
 aagtagaaga gtatctcatg caatttgtga gggctcgaaa gcacgtcgaa gttaggctgg 540
 aaacaatccc cacttcgttg gagattgata acatgacgat cgaccaccac gatgcgtttc 600
 cgtttcgct caatttgagg actgcgccat ttagtccgca gtcttcgttc gatggcgctg 660
 ctactccgaa cagcgagctc agctcgggac agtctgatga ctcggggtat gcaggcatgg 720
 ggacaatggg tgaagccaag tacattctgg gctgcgatgg agtcatagc tgggtcagga 780
 agcaactcgg gttgaaactc gagggcgata cttacgacag actgttgggg 830

<210> 20911
 <211> 545
 <212> DNA
 <213> Aspergillus nidulans

<400> 20911

tcaccgacag cgaatttgct gcggaagtct cgtcagtttg cacttccgca ggctcttact 60
 ccgggggagg ctctacctc gagggccctac gctgaatccg acaccgcaac ccggcctcat 120
 cctatccgag catctatcgt cacaccggca tcgtcattag cgagaggaga ttgggggtctc 180
 aagagaccgc taccgcgcaa gtcgacatca cagaagtctt caaggccagt tgtcaggatc 240
 aatgaactag acaccttcga acatgtcacc gacttcgagt ccgcgccga tcacaccgtg 300
 actctggaga aattccaaga attacatatg ccaatctccc tccctgcgaa ggtacacttt 360
 tcgtcgaaca tggtcacaag acatcacagt gtttttgatc aggatgtcga caacacggag 420
 gcgagcgaaa acattgatca acccgacatt aaacaaatca gacacactgg accctggctt 480
 tcagggttta cggatgcgga gttcgtgct tacttaaaga aggtacagaa acagaaacct 540
 caact 545

<210> 20912
 <211> 558
 <212> DNA
 <213> Aspergillus nidulans

<400> 20912

ctcacgcccg acgcattcca ggaactggcg caacgtgtcg acgttattgt ccatgctgcg 60
 gcctcagtca acctggtcta cccgtacgca gccctgcgcg ctgcgaacgt ggggtggcact 120
 cgcgaaatcc tccgcctggc gagccaaggc ggcgcgaccg tgcagtatgt gtcgaccaac 180
 ggtgtcttgc ccccttctgg ggagaaaggg tggcggagg acacaatgtt ggacatgaag 240
 gacgtgccaa caaagctgct ggatgggtac ggacaaacta agtgggtagc agaacagctt 300
 gtccttgagg ccggtcgtcg ggggtctcct gtaagggttc accgcatcgg cacagtcagc 360
 ggtcacagtc agtcagggtc tgcaaatgcc tgggatcttc tactgcttt gatcgtggag 420
 tcgatcaaat tgggcgaata ccctgatgtt gagggctggc gcgcggaaat gactccagtg 480
 gactttgtta gcaaagctat taccacctc gcgaatcagg ctgcagtgga acagtctgtt 540

ttccatatcg gagaccct

558

<210> 20913
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20913

gtccctggca gtttagaggat tgaaataagc accaatagtt agactataga tataattggc 60
ttttgctggc ttcaaaatat cttcattcca gcgacaaata agcgtacaag ggggggatat 120
tggtgcttta tctcacctcc taaacccttt ggatgttggc tgttgcagac ctttaaagaa 180
ggcatatagc aagcttattg aggagaaatg acgcctggga tataactata ttaacatgct 240
agatttcttg aaattttacc tagcagggtta ccaggaagtc tttactacag agaatattta 300
aagcagattc aaagtaacta ggatactacc ttctgatctc atggtagtgc ttgaaaagtc 360
aaatatcagc ctgggtactc taaccccccc tccaagccaa gggggtgctt caatcccttc 420
ttctcagctt ggtacgcctt atactgtgta ctatgtatat tgaaaagtct cttcagttaa 480
aaggatgctt gagagaaggt taaaagtccc ctaactccct ccaaaagaag tcttagataa 540
gttggtaaaa ggggtgaagt tggtatctta taatacaact tactagcaag ggaaaactgt 600
ggtctctact cagccataga gaataacaga caggaaaaga gttattctta atactagata 660
actcctatac aatgtcttcc attccaggaa gccagggacc taatttagac aagaaataac 720
taaatacagg caagataggg ggggtgctggc ggaggtgcgc ctcaaacttt agatgcacct 780
aaatatactc taccaacatg ttttagaata taatattcag ggctataaga ggaccagctg 840
tcctactcat 850

<210> 20914
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20914

tggcccgtt tgtgttggc aatgaacgat gctacccatg tgctctcatt tgggcctggc 60
gctgttggga gcctggtgca ggatgttttg gagggaacgg gtatgaacgt cgtaaatctg 120
tccggccagt ctatggcttc gaatctatcg ttgcttaatc tgtctgcttt tgctctccca 180

cttggtaaag actgggggtcg caaatatcgc ccgcggctac ggaaagcagc tgaggggaagt 240
 gctcatgcat ccattgaaac caaatgacg cggctgctag gaacaccaca tgttatgggtg 300
 gcagggatga cgccaacaac atgctcacct gagcttgtag cggctatcat tcaggcggac 360
 tatcatgttg aatttgcctg tgggtggctat tacaaccgag caacgctaga aacagcactc 420
 cggcagctgt cgaggtccat cctccccat cgctcaatca cctgcaatgt catctatgct 480
 tccccaaag cactttcctg gcagatccag gtgttgccg gcttgattat ggaagaaggc 540
 ttgccaatg atgggataac ggtcggcgct gggatcccat cggccgaggt cgtgaaggag 600
 tggattgaca tgttggaat ttcacatatt tggttcaaac cgggggtctgt tgatgcaatt 660
 gaccgcgtcc ttaccatcgc aaggcaatat ccgacactcc ccgttgggat ccaatggacc 720
 gggggtcgtg caggggggaca ccattcttgt gaggacttcc atttaccgat tctcgactgt 780
 tacgcccgtc tcaggaactg cgcgaacgtc attctcgggg ctggcagtgg attcgctcct 840
 gctgaggaca 850

<210> 20915
 <211> 389
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20915
 ttgcggaaga gcgatacacc gttgatggag ttgtgttcag caatagtcaa gtcgtgaatt 60
 cccagaatgg atgccggatc aagacaaatg agggggagac tggcgaggtc tcgaacatca 120
 agtatgagaa catcagcctc agtggaatca gtaagtacgg tatcgtgggtg cagcaggatt 180
 accttaacgg gggcccgacc ggcgagccga gcaacggggg gagcatcacc aatgtcgaat 240
 tcaccgatgt cacgggaacg atgagcgggtg gaaaggatta ttacattctt tgtgggggatg 300
 ggagctgtga gaactttacg ttcagtgggg tcagcatcac ggggggtagt gatgatagct 360
 gcaattatcc tgactctgga tgtccttga 389

<210> 20916
 <211> 722
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations

<400> 20916

gtagttgcag agtacttgat gacgaggcac gaaaaatccg cccgaccctg caatgtntgc 60
cgaactttttt cgggggtctg aagaagccga ttatatTTTT gtcaagcggc tcggtattaa 120
cgcactcatc cgcgaggcca tgcaagcctg gagcgcgga gagctaagcc gtttggtgca 180
ccgtcatggt ggccgtccca taggcagttt tgagttggat ctgccctccc caggcctaga 240
tctttcaaaa tccaagtga gtggtagcga gagggaaata atacgcagta tacgccccat 300
tcccgttcca gcgttggttca tggactgtac acatgacaat gaaatgccag cgaaaagag 360
aacggcgaca gatacactac caaacgctgc tctttagca atgtgtgact ctgccattgg 420
aagcgttatg ggatatgatg aagtctatcc caaatcgtg gatcttgtgc atgaaacccg 480
actgtactcc ttctttgatc ttccggaatc cccaactctt gacgaactgg tcaatcttaa 540
ggggatcagt ggcttgaagc ggctgctcaa cgaacttcat actatgatgg gtcaaattggg 600
gtacgatgaa actttcattc atcatgatgg tgaatacatc accgtgcata ggaagcatcc 660
acaaacgcga aagggtatat tcttgatcgc ccatacagcg tttcccgtc aaaatagcgg 720
ac 722

<210> 20917

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 20917

tcttttgcgg aaaacgtcca ggacaagaca taatacctat accaagtgga aaactttctc 60
acacaaaaag tcaactggct gctgcatcgg aagagctctc aaatcatgtt cctgagcata 120
tggtcccaaa gatctggatt cctttggaaa gcatgatgcc aaaaaacgac tcatcaaaat 180
tggaaccgcaa aaaattgggg gtgtggcttg aggctattga tacagcggtc ctggaagctc 240
tcaccaagtc ttctgacgct ggctctgaga gtcgagagcc cgaaacgctt ctagaacgcc 300
aagtccaaca agcatgggcc gatgtgttgc gtttgccgcc tactcaaatt cctatagagc 360
acaagtcatt cctaagtgtt gggggagact ccatcactgc catgcatgtc gtgtcctggc 420
tgcggtgctg ggggattacg gtagcgtgct gagatgtgct tgaaagcaag tccgtggctc 480
agttggcgca aaccgcagaa gtaaaggatg agaagacgga aggccaccaa tctcttctgt 540

cgcctatgca gaagtgggtat ttcgagtcca ttgccgatcc tgagttgcct ctgaagtcca 600
 gtgggtgccc aagatacaat tccaatatct gcttgggtacc tcgcaaaactt tttgaatatt 660
 cagaactagc tcaagccgtg ggtgcgcttg tcgacagaca tcctacttta cgttccagat 720
 ttcagcgtca taacgtcgct ggggtggcaac agagtctaca cagtgatggg gatcaaccgt 780
 ttgcgttgag gcattacact gtatctacca gcgaggaggc ggaggccctt attgtggagg 840
 ctcagggcag 850

<210> 20918
 <211> 605
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 20918

ggcccgggcg gggccagacg agaagggcac gcccgggcac agcgccttat gattttcagc 60
 acagggcaca acccacgaaa gggccggaga aaacaagaaa gcgccgacca gacccgacga 120
 ccgaacaacc aagaaagaaa ccagccagga ccacaggcga ggcgaggacc acacggaaac 180
 cgacacgcag ccgaaaaaga aggaccagca ggggacacgc aacgaaaagc cgaccgaaaa 240
 caggacccga agcacccaag gcaacggaac ccggagaacc caacgcgagg aagccacaga 300
 aagcgacagg acccgccagc gcaccagcag cggggggaag cagaccggca agccncaaag 360
 acggggcgaa gcgcaacgca cacacaaagc aagcaaccac ggagccagca aaccagcgca 420
 cgcaaataca cagaaccccc cgaacacgaa ccaccagcga gagagacacc gaagaaaccc 480
 gagcgacgac gccgacaaaa gaaaacaggg gccaccacc cccgggggga gaaaccaacc 540
 cagacgaggc gaaaacacca accacgagga aagggggccc agaaaccgga ccccaaagac 600
 aaaaa 605

<210> 20919
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20919

gcagttgtac cctcgggaaga tagtcaccag tcagaataca ttgcaccctg cgacggccgc 60
 cgaggtagct cattccccct tcgagcgcac accacgcctc ctatcgatac cggacataca 120

tagcttacct atatacagag ttcatttcgg gatcttctgg ttctgctgga accgctatta 180
 tctcactaaa tgaagctgcg ctttccaccg atggcagata ttttaataca ggggcgaagc 240
 agcttgacaa caactggaca ctgttgaagc gcggagtga ggggtgtcccg acttcacaag 300
 aatggatgac acttggcgat ctttacattt cgcgttgctg gaaacttata cgctccagg 360
 ataacgcagc aggccgaggg tggtaaagta gtgggtgttg atcccgcttt gattacaggg 420
 ggtgagtacg cagtcctgaa attgtctatt caccctactg attactccta gcgcccgccc 480
 gcagtctatc tgatgccctt cagaagagcg gtgcttcatt aattgggtgtc tctcagaacc 540
 tcgtcgattt ggtctggggc aacgatcggc ccgctccgcc ccgggaaaaa gtcaggggtc 600
 atccagaaaa gtatgcaggg aagagctttc aagaaaaggt tagcgaccta cggaaggaat 660
 tagagaacaa aaaggcggct ggtttcgtca tctgtgtgtt acttcgttcc ctaaagtgtg 720
 cccgtgctaa cgacaattgc agccatgctt gacgaaatcg cttggcttct gaaccttaga 780
 ggaagcgagt gagtttatgt gcctctgcta ttgaacaatc agtctgatcg ttagacacat 840
 ggttcatcaa 850

<210> 20920
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20920

gccattgaca ccgagagtga aaaggagtga aagaaaaaac aggcctcga acggcaagcc 60
 agggtaatgg ctcaattcca gcaacaacaa cagaatttcc tcaacaatca aggaggcttc 120
 gattggggcg atgaggattt tagtgacatg gagtctgagc ccgaggtaac gccagagacc 180
 aaaatctgga aatatactag cggcacttgc atcctctgcc aggaagaaaac caatgactcg 240
 aggctttttg gtacatttgc cctgggccag gagagtagca ttctaagaca gactgatatt 300
 caggatgcgg actttattcg agaggctatc aagacacctt caagcctaga caagtccgct 360
 gaacatctcc gccatttgg cgttgcggtt gaaaatcgtg ccacagtctg gcggctagac 420
 tcatccggtg gggagggtat cagcgagaaa attgggttga gcaaaggatt caacgctaag 480
 aatactgtgc gtgggtccagt tacaactggt tgcgggcata tcatgcatta ttcgtgtttc 540
 gaggtatatt actcggccac ccaacggcgt catgcgcagc agattgcccg taatcaccgg 600

gagcgtctaa agcataagga gtttgtctgc cctctgtgta aggcctctggg taacgccttc 660
ctccctatca cctggaaggg caaggaagag tcgtaccag gccattgag cacaaaggtg 720
tcgttcgagg agttcatgga ccacgaggtc aaatctgttc tctcccctaa gcataaaatt 780
aattacgccc tgctgtcaga caacagttag ctgcaattac aggcgtacca aggggttattc 840
cgggactatc 850

<210> 20921
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 20921

aagccgcagc ccgagccctg catctggcga tcgtagcttt tgcgtcgcaa tggacgcagc 60
atgcgcagag gggggctggg ctaaagtgtc ctgcagacat agccgccgat gagaggtcca 120
tccggaggaa cgcttgaat gaagcacgcc atgccttgca gcacacgaca gggattccat 180
catcccggtt tatatttgcg aatatcatct tttctctaag cagagtgtgc tggatgatga 240
tgagcagcac ggtatgggtg cacgtctaga caagctactc gaaaatgacg gtgcgcccgt 300
gttcttgga accccgaacc gtcagcttta tacattccga cataagtttg cacgaatgct 360
tctcccggtt aaggctttca acaggctccc gggaggatct gtgcgcatga cattcgccgg 420
tattttcgag acaccgacgc cgtcgtctga aagccacag cttgaccgg ttgtggccag 480
tgaggagcat cgcagtacat taagccttat gttctggcta gggatcatgt tcgatacact 540
aagcgtgca atgtaccagc gaccactcgt ggtgtcagat gaggatagcc agatatcatc 600
ggcatctcca ccaaggcgcg gcgctgaaac gccgatcaac ctagactgct gggagcccc 660
gagacaggtc ccgagcaatc aagaaaagag cgacgtatgg ggcgacctct tctccgcac 720
cttgactct ctcccagatc acgaatccca cacacaaatt tctcagccag tggctcgatg 780
gccctgcacc tacgaacagg ccggcggcgc tttctccttt gcaacgcccg tcaaagcctc 840
ctttaccgcc 850

<210> 20922
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 20922

cccctggaaa cgagctatgt ggaggctcac ggaactggaa cgccagctgg cgatccggtg 60
gagggctgcg gctctcagtg ccgctcttaa tacaacacgg tcatcccagg accctttact 120
gattggctcc gtgaaatcaa acattgggtca tacagagaca gcaagcgggc tggccagtat 180
tatcaagggtg accatggctc tcgaaaaggg ctacattccg cccaatgcga acttcgaaaa 240
gccgaacaag gacattgata tggatgaact gaacatacag gtgagaagag ataaagtaca 300
aacggctcgtg gaagcatggc tgacagggcc tagatcccaa cctcattgaa gccctggcca 360
caaacagttc ggagggcatc ggtcaacaac ttcggatacg gcggtgccaa ttcgcatgtc 420
attatcgaat caccagcggc actaacacag ccttcgccac cggccgtttc ccagaccggc 480
agtttgcgtc gagagtatgt gtcctcagtg ccaaagaaga ggccggcagtg tcgaggatgg 540
catcaaggat ggcagaccac cttagcggtc tcaactttgga tgatgaaagc gcatatatgc 600
gtcatctggc attcaccctc gggcaacgcc gctcgggaatt ttcattggaag gcggcatact 660
tggtcccgag taaagattgc attgatcgag aagtttgaac aagggcaggt cacactccat 720
taggcctctg ggcatccgag gcttgatct gtcttcgccg ggcaaggcgc gcaatagaaa 780
ccataggccg ggagctcatt gaggagaacc aggtcataaa gtgggggttt ctcatacagg 840
cagtcgtgtt 850

<210> 20923

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 20923

tcgttacttc acctacctcg gttacgatat cctcacatgg gcattgatca gttcgtttgg 60
tcaaaaagggt cgaagccggg tacaggacgg tggcctgctc acaagccgat ggcttaatgc 120
cttggccacc tttgctggca gaaccttcaa acggtattca gtaatggatc caacccccgt 180
gctgcaatac gttgttgagc aactacgcca aaataattcc acggatctta ttattctgga 240
acagataatt agttcgatgg ctggaatcat caccgatacc aatttcaatg actctcagat 300
acaggccatg gcggggcggc agatcctgca gtcgcaaacc atcctccaat tattggataa 360
acgacatgag tccaaaacca cttcaaagcg gcttttgaaa tcacttacct cctcaaacct 420

tgctggccag ttgctcattg cgattgctca ggaacgtctt acgtgcattt tcaaagaatc 480
 agagaactcc tctgagctca agttgctggg taacatattc gatgaaatcc accgaattct 540
 cgctcagtat ctggacctac ttgcgagcaa tttatcagtg gacgaattcg actcgtttgt 600
 ccctgacatt gcgtccctta tcaaagattt cggcatccag cctgaagttg ctttttggat 660
 tcgacgtcca agtgttgacac ggaagcttat cgactgggaa aaaacttctc aggatacagc 720
 caacgccgct aagaaggaaa gtcaggatgt tcccgtctcg aaggcagaag tcgagaaact 780
 tgaggggaagt ggtgacactg aagtcacgga cgctccctcg ggagacgaca aaatggatgt 840
 cgatcaagaa 850

<210> 20924
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20924

tggatttcgg cggccaagga ctgcgggctc tggcaccgtc actgttcaag tacgccttct 60
 tggagaagct ttatctcagt cacaacaaat tgaaagtact gcctccgcag attgggcaac 120
 tgcggaagct caccacttg gatttatctg ccaacgatct taccgagctt ccagaagaaa 180
 tcggcatgct cactaacttg aggcaccttc ttctgttcga taacaatatt cgcacccttc 240
 cctacgagat gggatatctt taccgactgg agattctggg aattgagggg aaccatttgg 300
 aggacgttct gaagtctctg atcatgaaag agggcaccaa agccctgatt aggtatctta 360
 aagaagagat gccaggtcag tatcatcact ttgagtcaca tcaaaccacg ctaatctgta 420
 taagaagtgc atgttcctcc tccgcacga gactggctcg ttctcgatga gaccgcagct 480
 acttctccag acaaggtttc cgtactctcc tacaacacac tttgcgattc ctctgcgacc 540
 caatcacact acggctatgc tccgtcccgc gtctgtctt ggggaattcag acgagagacc 600
 atccttaatg agctcagagc tcatgaccog gatattatct gtctgcagga gattgaccaa 660
 ggaagctaca atgagttttt caggagcaa ttggcctaca gtgattataa ggggtgtgtt 720
 tggccccgag gaagggtat gggcatgcag gaggaggacg ccaagggtgt tgatggatgt 780
 gctaccttct tcaagggaag caaattcatt cttctagaca agcaggtgat caacttcggt 840
 cagacggcgg 850

<210> 20925
 <211> 528
 <212> DNA
 <213> Aspergillus nidulans

<400> 20925

```
ctggttcacg taccaccaa agtcgcaatg tggacccata caaccctct gccggattgg 60
gcttataagc aagccgagat taacggtaac aaaaacgtct tgcagagcag caacatttgg 120
tatgtggagg ctattgagtc tttagaagag gatagccctc gtctcaagaa ggaagagcgc 180
aaggtcaagc atttgccgtt ctggaggaag tacattgagc ttcagcgtgc catgttcttc 240
cacaacaacg ccctcaccag cagccacca tacgcgagcg agccgttcca gtggccgttc 300
cttctccgcg gtgtcagctt ctggacaaag agtgacaccc gcgagcagat ctacttctcg 360
ggtaaccctg ttggatggtg gatctccagc agtcttttag ctgtgttcgc cgggtgtcatc 420
ggcgctgacc agctctctct cgcgcgcggt gtcgatgctg tcgaagaaag tgagtctatc 480
ccatatactt cacttactgt aacgctaacc gtcctagttt ggggtcgg 528
```

<210> 20926
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20926

```
cttctctccg cactgccctc accagctcgc tggctttcac gcctggcgac gaggggtacc 60
tggactccct gcggagatgg tccgataccg ggcgcaagga agctgtgcgt ttcttgactc 120
gaaccctca tttattcct ttctcagaat atcttctcat tctccctca catcccttct 180
catatcacag cagcatctaa actgaatacc gggctagga atcgttattc aaccgaccga 240
aaccgccgat atccaaaccg cactcaaag ggtccaagaa caccagatcg accttgccgt 300
caaagtggc ggacactcgg tttcgggcac gtcttcatcc gccggtggat tggtgattga 360
cctctcgcgc atgaacggcg tctcggtcga tattcagaag aaaaccgtca ctgtcggcgg 420
cggcgccgtc tgaaagacg tcgatgagc cgccgccgcg tacggcctcg cggccgtcgg 480
cggaaccgtc aaccacacag gcgtcggcgg gctgaccctg ggaggcgggt atggctggct 540
gagcgggcag tacgggctga cgatagataa tctggtctct gcgacgtca tcctggcgaa 600
```

cggcgagacc gtcacgcaa gcgagaccga aaacagcgac ctcttctggg cgctcagggg 660
cgccgggtat aacttcggcg tcgtgacgag cttcaccttc caggcgcacg agcagcccga 720
gcccggtgtac gcggggatac tcggttacac gcccgacaag gtcgagcgag tggtcgagat 780
cctgaacgcg ctgctcctcg acaagccgga cccgcgggtcc ggcgcgatct gtattttcgc 840
cgaaccgccc 850

<210> 20927
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20927

cgcaactctc ttacatctcc gccaccgtcc gtgacctcat ccgaatcgat ttcataccg 60
cgctccctcc cgagattgct ttcaaaatcc tttgctatct ggatacaacc tctctgtgca 120
aggcttccca ggtctcgcgc ggatggcgtg cgctagccga tgatgatgta gtttggcaca 180
gaatgtgtga acaacatatt catcgcaagt gcaaaaagtg tggttgggct taccgcttct 240
ggatcgcaaa cgattgcgtg agtcgaagcg tgagattgaa cttcgtgcta caacgtggga 300
caagggagtg gtgggcccac gatccctga tgcttcggca gagtcacctc cttcgggcaa 360
acgaaagctt gaggatgacg aggttgctgt tgttaagcgg cactgttcat cgctcgggctc 420
agacgcagga gtcgacaaag atagtgattt cttcaagacc cgctaccggc catggaagga 480
agtgtacaaa gatcgcttca aggtcggcac gaactggaaa tacgggcgat gctcgatcaa 540
accatttatg ggacatacta acggggtcat gagtctgcaa ttcgaggata aactcttgc 600
cagtggctcc tacgacacta caacaaaaat ctgggacact gaaaccgtag agggagctgc 660
gcacactcca tggacacgag tctcgggtcc ggtgcttaca gtatgactac accaagttga 720
tcagcggcga gatggaccgc actatcaagg tctggaactg gcgcactgat agagagcgat 780
tacacatata ctggtaccag gggggattca tagagcttga tatgatgatt ccagtctcgc 840
accggctacg 850

<210> 20928
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20928

tcattttaagt aatcagctca actgaccgat ctagcaatta cctattcgtg catcgccaccg 60
ctggttctcgc gcttcgccac catcggcttg tatctcttct actttgccta ccggtacaac 120
ttgctgtacg tgtccaatgc cgatattgac actcagggca agacctttgc gggggcggtg 180
caacagattc tggtcggatg ctacctattg gtggtctgcc ttatcggctt tttcgccatt 240
ggaactggta ctgacccaat cgctcttga cctatgattc tcacaatcat tcttctcgtg 300
accatgatca tctatcacgt ttcgctcaat gcagccctgg acccgctcat caactacctc 360
ccaaggaatc tggaagcgga agaggaagct ttgctttcac aggaaaccaa cggggcggaag 420
gatgaatacg acggcatgcg ccagcccttc cgccgctgac ggtcaaaccg cggataatgt 480
tgactctgct gagaagggtc tcaactcaagc caaccccgct gaacccaaga ccaacttctt 540
gactaagtat ctccgacctg acaagtactc gggataccgt cagctgcgca cactcgtacc 600
caacggcacg gaaactgtct cctaccctcc cgaggctcag cggaacgctt actaccaccc 660
tgccattagt gctcaggcac cacttctctg gatacccggt gacgaaatgg gcatcagtgc 720
tcaggaagtg gctcacacga gccgcgttat ccccatcaca gacgaggacg cctgggttga 780
tgagaagaac catatcgttt ggaatgttga aaagggtgtt cctccgattt tcgaagagaa 840
gatctactac 850

<210> 20929

<211> 500

<212> DNA

<213> *Aspergillus nidulans*

<400> 20929

gttcctcaac aatcagtcac tggctcttgag gagccggaat acaggcacca gcatccttac 60
cccactcgca tctgatcact tcccacgcaa cgaaacgtgc aaatatacct cccattcgat 120
ccggttgaacg aagcactttg cggccgtcga tgggcaccag cgctaactgt tccgttacag 180
gctcacgagg ttaccttcga gtccgccgat gctggcgctt cggccaccta ccccatgcag 240
tgttccgctc tgcgcaagaa cggtttcggt gtgatcaaga accgcccctg caagatcgtc 300
gacatgtcta cctccaagac tggtaagcac ggtaacgcca aggttcacct tgtcgccatc 360
gacatcttca ccggaaagaa gtacgaagat ctgtccccct ccaccacaa catggatgtc 420

cccaacgtca cccgcaagga ataccagctc gtaagtaccg aaaatctgaa tggcctgtgt 480
gatccagttc taactatact 500

<210> 20930
<211> 627
<212> DNA
<213> *Aspergillus nidulans*

<400> 20930

gcaaccggcc gcataatacg agattcacta tagggatccg tcgcctccac ggccaagggtt 60
ccgtgctccg ccacctatcg cagatgccgg caagtacgct catacggccg gccaaagctcc 120
gcccgcgcgt ccacggggcg cgtcaggagc tacgcctggg cctccgccac cacctcgacc 180
cccgaagct ccggtggacg atgcgccgcc tcggtttggg gtaccaccgc cgttccaggg 240
tgagcgcaag gtgtcagccc ccccggcacc cccaagtcgc agcccggcag gacctccgcc 300
tctccaccg cgtaccgcaa gtcccgctac accacctcaa ctcccgccca aagttcccgc 360
atttctctca ggccctccgc cgccccacc aagaagcccg gcctcccaac cgccgcccc 420
tccacctgta cctggtgcat cgcggccagt tctccacct actgcaagcg ttccaccacc 480
acctccacca ccagcacgcc cgacaccaac tgtaaccgga cctccaccac caccgcctcc 540
accaccagca agttccggac ctcccatgcc acctccaccg cccctccag cccctggaag 600
ctccgcgtcg ccgcccgcgc cgccgcc 627

<210> 20931
<211> 603
<212> DNA
<213> *Aspergillus nidulans*

<400> 20931

cctcccgaag agaactccac ctctccaatc ccattctttc atctcctcga gcgattaaag 60
acgactaaac gcgaggggtg gcgcccgttc aacattaacg acggcgagtc catctccgat 120
cacatgtatc gcatgtcgat gatgaccatg ctgcgcccc cttctctcgc cgctcgcta 180
gaccttcccc gctgtatgaa gatggctctt gttcatgata tggccgagtc gctcgttgg 240
gatatcactc ctaatgacct gattaagaaa gacgaaaagg cccgtcggga agctgctgtc 300
atggaatata tcgccaactc tctgttcgc aatgtgccga gtggagtctc tgccggcgac 360

gatatcttgg ctgttttcaa cgaatacgaa gcgaatgaga cgctagaagc gcagttcgtg 420
catgacgttg ataagatgga gcttttgctg cagatgatcg aatatgagcg gagttatgag 480
attgacctga atgagttcct ggggtgttgcg aagcgaatcc aacttcctga aatcaaggaa 540
tgggctgcga cagtactcga ggagcgaaag gcgctatgga agtcacggca gcagcaggaa 600
tca 603

<210> 20932
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20932

atgagggctc gagtaatact ggctttcgtc gtaggcgtac aaggccagca gttatacatt 60
accacgactg gatactctgc tcgacctgag tgcactgctg cgccggccac cccaagctac 120
cggtttgagc cgtttcaata cacactaaat gaaaccattc ggtaggccga ctgtctgttt 180
gtgcagcgtc tcgctaacgg gtcaggatg ccacttctgt tccagctcct acgacaacgc 240
agacctttgc gccgggctat aaggaagcac tggaaatata tggcatggag ctgtctacca 300
ccacttgggg cagctggctg cccggagaga ccgtcatttc cgccactgac accgaggaca 360
aatatggcca ggctgcttgg tcgtcgcagt ggcaggcggc cagcctgatc aactatacca 420
ccgtcggatt gtacacgaca accgtgagcc ctaccccaat tccatccagt gaactagtcc 480
tccctccccg tgactacttc ggtcctaccg actgctacga tttcccggag gatttcatgt 540
tcggcgtcgc cgggtctgcc gctcagatcg aaggcgccat tgcgctggaa ggcagggcgc 600
caacgaacca ggagaagctc gtccaggatg accggcctaa aaactatgtg acaaacgaaa 660
attactacct gtacaagcag gacatccagc gcctggcggc catgggtgtc aagtactaca 720
gcttctccat cccgtggact cgtatcctcc cgttcgctgt gcccggaagt cccgtcaacc 780
agcaggcaat ccagcactac gacgaccta gtattctata gtgtcaccta aatcgatgt 840
gtatatcata 850

<210> 20933
<211> 660
<212> DNA
<213> Aspergillus nidulans

<400> 20933

acaatggatg acctctatga cgagtatgct tcaattatct taattctcct tcagattggt 60
ttcgttgact gactcccagg tttggcaatt acatcggcga ggccgcggaa tctgacgaag 120
agtttcaaca tgaggccgca aaaccacagg catttgacta tgatgaagca tttggagcgg 180
acgagcttga agagccggct cagcaggaat tgatggaagt agatgggtgcg ttatcctttt 240
ctcctccatc gcgtgagttc tgacatatga gcccgcggtt tacagaaggc ccatccaatg 300
ccgttatcct acacgaagac aagcagtact atcccagcgc gcaacaagta tacggagaag 360
acgtggagac attggttcag gaagaggatg cacagccttt gtctgagcct ataattgcgc 420
cggtcacaca aaaaaagtgc gcgattgaag agagcgagtt gccaccagtt ttcttctcgc 480
gcgagttcat gacagacctg ttaaactttc ctgaccaa atagaaatata gcgcctgttg 540
gtcatctgca ccacgcgaaa accgcgttca tggacatgct tgtcatgcaa acccatgatt 600
tggccgaacg actcgagaag agaacagcaa ggaagaggga cgaacaactt cgcgacgcgt 660

<210> 20934

<211> 553

<212> DNA

<213> *Aspergillus nidulans*

<400> 20934

ccgggcgcca gaacggacga ggaacgggac aaaccagact cttttctaaa aaaaagacc 60
agcgggcacg cggggaacat acaccgaccc acgcccacgg caagcacccc gagagacacc 120
gcgggagccg agaccagccg gcgacgaggg agcccggccg gccaaagccga cgaaccaggc 180
cccaccagaa cgacagccac cacagccaac gccgcaccgc gcccacgac cagagagccc 240
gccgagccag cccaccgacg acccgccgac caccaccaa agaaagagca gggcacgccc 300
caaacgccgg accaaggcac caggcaccgg cccccgcgac aaaaacccc aacacaacgc 360
gcgacacacc caagccaccg acacgccagc cccaccgacg caccgcccac ggaccgaaac 420
ccacacgcgc agaccaacac agaaccaacc gacgcacccc agacgaaacc accaaccaac 480
aacacgccag cgagacagac cccacacca agccgagcca cacaacaacc cgaccagcac 540
caccaccca cac 553

<210> 20935
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20935

```

gtggccggat agagcggctc gagagcgcgg cgctctttgt ctctctgacg gcgatttttag   60
acggtactgt gccatctatc ccttattgca acttgctgta cggatattaa cacggggtaa   120
acagatgcat tcagccaaat gtccatctcc gagtctaggc agatcggagc caagctactg   180
gatatcatgc ggggcgttgc gctggctgac gtcctgaacc ccctagaaaa gatccttggc   240
aaggttgttg aggatatgaa cgcgcaaagc cctgaacttg ccaaggatgt gcttgatggg   300
gccgttgctt tatttcttgc gcagacggac aaagcacggt tggaaattac gcaattggat   360
gagtattttg agtttcagtt tagggatgtg ggtggtgagt atgtatctaa cagtctgatg   420
tgtggcattg gggctaaaag gctgactgaa ttatggcgga agattcttca tagcgctaatt   480
ccgcttcgtg aatgatattg ttctctcaca gtctgagcgg gccaaagtca acagcctcga   540
gaaaacgacg atccgacttt tgatcattgc aaatgatatc ctctcctggg aaaaagaact   600
caaagaagcg accgagagca acgaggaagg cgccgctttg tgttcagttg tcccgatcct   660
ggccagaaat ctgggcatag cgatgcgcgc tgctaggact gttggatgag ctggagtacc   720
atcatggatg gccggtagca agctatcgga accagttaga agtatcatgg ggagtagccg   780
tagacagggc ctaatatgat cgcatagcag tggagacgac gagatagaac tagggacggt   840
atagaaaacg                                     850

```

<210> 20936
 <211> 511
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20936

```

actgaacgta ctcggaaca ttccgacccc gacgactgct gttgacgcct gtctagatac   60
gggcttccat ctggacaatg gcgtcaagat tacagggtgt gacggagtta tgcttgctcg   120
tggagaagcg ttacatgga ggccttggat gagtaagaag gatgggacca agaacaacat   180
gatcaatgca aagggacaat ttgaagtgga tgagcagggt tggggatatat tggacttggg   240
atggcctcgt ccgggtatgt cttttttttt ttttaccggt gtcttcttta gttggttcac   300

```

tgactgtgcc acggtgacag acctgttaat tcttgggatg ggagcctcaa tctttccttt 360
 gtcgccgaa actaggaagc atattaactc gctagggatc cgggttgagg tgctagatac 420
 aagaaacgct gctgcgcagt tcaacctgct cgcgaccgag aggggagttt ctgaaattgc 480
 ggctgcgatg ataccgatcg gatggaagg g 511

<210> 20937
 <211> 698
 <212> DNA
 <213> Aspergillus nidulans

<400> 20937

ccgttcagaa gcctatctag cgagatagta gttagggtagg aggaggagcc agtgaggagg 60
 gtgggaggag ggtgggagga gctcctcca gggcagcccc tgcaccctgg tcattagagc 120
 tcttcaaaa actcaccatg gaaattgcta gaggatcgat ttaaagagag ggaagtatgt 180
 acaccgatc cttttctctt catgtcacca tcatagccat aactgagttt catcaaatg 240
 tcacgccaac tcattctcag cgagaaattt cctctcaagc ctcaactg tacgcaactt 300
 acaacagagt cgcattcagt ctctagcact ctctaatttt gtttcaacag gccagcaac 360
 caaagttccc ggctcgtct tcttggccg tcaaaccgcc acaggcgaaa tcaagcaggc 420
 aactgtacgc cttatcgtca ctaccctctc caatacccca actgatatgt agccagcgca 480
 ccgttctcca aaacataaaa gaagtccctg agctctctgg gtcgtccctg gaacaggtagg 540
 tgaaatacaa cgtttacctc gccgatatga aggactttgc ggccatgaac gaggtctaca 600
 ttgagtttct gcccaagccg atgccgtcaa gatcttgtct ccaggcgctg cctccgggag 660
 agggaaccgt tattgagatt gattgcattg cgcagggtt 698

<210> 20938
 <211> 713
 <212> DNA
 <213> Aspergillus nidulans

<400> 20938

acatgcattt gaaccagcag acctcaaag taatctcagt attcgtgccc gttgggtaac 60
 ttcttggaca accgtctatc atcagccagt cagcatagct tgagagtccg cataatatca 120
 ttcatcataa ccattggcgtc aactacaacc accaagacgg tcaaggaaga gcagccggtg 180

cagggtgctg ttttctggtg tttgaatctt tgacctttga ctgatattgg gacagtccaa 240
 gccgagaacc ctggcgggaca tggcagacag catcgaccaa gccacattcg aacagatcct 300
 tgagatggat gacgaggacg agcacgaatt cagtcagggt atcgtgtacg gcttctttga 360
 ccaggccgag tccacctttg ataaaatgga gaaagccctg tgagtgccct tgcgtctggc 420
 ttaatggagc ccatactgat gacaactgca gcgaagacaa gaagctcagc gagctctcgt 480
 cgctgggcca ctttttgaaa ggctcgtcgg ctactatcgg gctcaccaag gtcaaggatg 540
 cctgcgagaa aatccagcac tacggagcag gaaaggatga atcgggaacc aacgacgagc 600
 cagatgagaa ggtgtcactg gagaagattg aaaaaacgct ggcgactgct aagaaggatt 660
 acaaagaggt agagaatttc ttccggcggg aatactatcg tgatgaggag aca 713

<210> 20939
 <211> 508
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20939
 ggaggatgcc caatgctgat gcttcatgat gatttaatat taaactgctt agcgcgcgtc 60
 tcaagatcaa accatccaac tctctcatta gtatgtaaga gatttcactc tctccttgct 120
 tcagtagagc tttaccaaac ccgaaccctc ttaggccgca ccgagagggg ttctacgtgt 180
 gcttacgact ccgtactgat tctaaacaac tacattgggt cattcttggc cagagacaat 240
 atagttccag aaagattttg gtccaaattt tatctcccaa ttctacctct gcgggtattg 300
 cagtggttgg tcctaataatc gatgccattg gcggaggaat aaagagtaat actttgtcta 360
 gcgttatggg catggactct cgttctcaca cgtggcgtga agctccaagc atgcgggtgc 420
 cccgcatggt cccatcagtt tgcacccttg atgggaaaat atatgtaatg ggaggctgtg 480
 ataatctaga tgccacgaat tggatgga 508

<210> 20940
 <211> 818
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20940
 tacatgattc acacagtcaa ggtaccctg aacggggctt cagcagatga ctcgagctcg 60

cagtacacta tcaaagcgga gaagttgctg aacatgactg atttgtggga catatttgat 120
 tatgacctca agttcaaagc cctggtggag aaacgcaaca ctatccaaaa gacttatgat 180
 aacatacggc cggtttttctc tgtcgaggac cctattgtgg aggaaatgtt acccatagcc 240
 actactatgg aagagctgca agatatccaa gactaccttc acttccagta tgcctcgag 300
 ataagggatt tgacgcttac aaacggtgat accaacggag aagtccaaag gcggaaggcc 360
 ctcaacaaga acttctttga gcgtgttcgc aatagcaagg cttatggtct tgtgcgtgca 420
 tttggaatta cagcagatgc attcgcgcaa aacgctctta aagagggccg tcgtcagtac 480
 acggaagatg catcggagcg cccggaggat atggcggatg ggctcgttga taacgacttc 540
 aacaactcat ctcaagtact caaggcagct aagggtatgt ttgcagagga aattgtgatg 600
 agtcccaaaa tgcgcaaagt catccgccag gcatattaca tgaacggcgc ggtagattgt 660
 ttccgcactg agaagggctt gcggcgcatc gatgagcaac acccgacta cgaattcaag 720
 taccttcgag accagcaact cagcgatata gccgcagcc ctgagctatt tctccgcatg 780
 ctgaaggcag aagaagaagg ccttattgag gttaaagt 818

<210> 20941
 <211> 565
 <212> DNA
 <213> Aspergillus nidulans

<400> 20941
 gtctgcaggt cgactctaga ggatcccctg caaacttttt gatgatgaaa ggtaaacaaa 60
 acccaacagt ttgatgcata aacgaatcaa ttaccactg tcaaaaatca aacttcagaa 120
 gctattctaa ccgtgagaaa caattatctg cattcagggc cgtttaaccac tgtccattct 180
 gcaacctttg ccgggtcggg gaaggactag gaatcgattt tttccattgc atgacatgta 240
 actgttgcct agggatgaaa ttagtaaacc acaagtgcct cgagaagagc ctcgagacaa 300
 attgccccat ctgctgcgaa tttcttttca catcgagtga agcagttaga gccttaccat 360
 gtggtcacta catgcaactc gcttgcttcc aggtttgcaa atctctcttt ctctcattaa 420
 acttaaatta acttttaacg cctaaaatca aaacacttgc tgttactctg gtctttcagg 480
 cttacacttg cagtcactac acatgtccaa tctgtggaac atcattagga gatatggctg 540
 taagatgatc ccggccctca agagt 565

<210> 20942
 <211> 462
 <212> DNA
 <213> Aspergillus nidulans

<400> 20942

```

ggcccgccta ttttctgcct gctgctgagt atgttcctct ctatggcgaa gggggatcag   60
tcggatttgg tcttctctgg ggtgttttcc ctcgtctggg tcggggaggc tgttgtaaca  120
ttgcaaatta agttgttggg tgggaatatg tatgacttcc aatcttcttt gccaccagtt  180
tctgggtgtc ttagtgctaa cgtgctagca cagtctgttc tttcagtcta tctgtatcat  240
cggttacacg ctcttccctc ttgttaccgc tcgttctca gcgcattcgg cctgcccacg  300
atcgtccgga taccggtcta cctggctctg attgcttggc ctctggccgc aggagtgagt  360
attctagggg gctctggtgt cgtgcggaac cgggtcggta tcgcggtata tccgctgttt  420
gtcttttata ttgcgatcgg ttgtctttgc tttatcagtt aa                        462
  
```

<210> 20943
 <211> 816
 <212> DNA
 <213> Aspergillus nidulans

<400> 20943

```

aaccattat ggggctcgca aggcagggcc atctgtgcc aacactcgca cgaccgatat   60
gcttaaattc attcagcgca agccatatac ggtctttgcc cgcaaagcca agatgtttat  120
cctggcaatg gctctctgcc atacgtgtct cccggaggag gacgagtctg gaaatacaac  180
cttccaagcg gcctcgccag acgagctcgc tttggtcacg gctgctcgag agctagggta  240
tategtccat gaccggcaac cgaatacact gactgtcaga acatttccta acggacaaga  300
tcaggagcct gttgatgaag tctacgagat ttagatgtg atcgaatctt ctagcgctcg  360
aaagcgcatt tcagtcgtgg tgcggatgcc tgaccgacgg atttgctgt tctgcaaagg  420
cgccgacagt gtcttaatga aactcttgaa gcgagccgcc cttgctcagg aaaaagtcaa  480
tgaaattgag cgccgcgcaa gcaagcgaaa ggctgcagag gctagtgagg tcatcaggcg  540
aaacagcgag caccacaacc gtaaagatag tggcgtacgc aacagtttca gtcgtccaag  600
tatgtcgcat gtcgctcagc gtttcggcag gcgcgcatcc cattgagaga cagtatgatg  660
  
```

tctgcttcgt gatcggagac gatggcgact ctgacaggat ggcagctcag tatacagccc 720
 aggcccttcgg cagtagacgc aattacacgt cttgattgga gttcgtcaga cattaagat 780
 tgtcaggagc ctgtgtgaca acgtgttcag gcgtca 816

<210> 20944
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20944
 .
 ccattccgcc ctggcaccgc ctgatgatct ctcggcgcca cagttcctgc acgattcatt 60
 agaagttctg acagcgttga tgaaaacca cgaggcttcc ctcggaacag aagatcccag 120
 catcacatcc gaatctgaag agaacgaatt cactccggtc ctccacgcag ccctcgaccc 180
 tttcttcaact ctcgaaaag cttctgcaga tgaacttccc gatcccaactg cccgcgcgat 240
 ctaccttaca aatgttcata ttaccacccg ctccaccatc tcgccctatc cttttgcaac 300
 atcaacgcac cttctctctc tctcagcaac gctttctact ctccgagtcg aactcctcga 360
 aagccagcac cgctacctcc tcgacacctc aggccctcaa gtactcttaa cagctctaca 420
 accattttct caatccaatg aatcaggcac ggagaaggat ctggcagcta ttgcagatct 480
 cccggccttc caagccgaag ccctcatttc aaccagtcag cagctagacg acttcttgcc 540
 ttcggcactc atggacgcaa cagataactt gaaacgtgtg cagagcgcaa cttttgtcaa 600
 aagtgttacg gaggaggcgg ttgaagcatt ttgtcgtgat ttcgaatttg tggaggggat 660
 gattattgga gctgatgagg ctaggggtgt tggtcagagt gacggtgcag ttaatgaaga 720
 ggggtgaagag ggtgacggtg acggtgacgg tgaggttgag cttgagcttg aggttgagca 780
 aagaggacag ggtcagagcc ttagaaagtt gttcccgct accacaggag agattcgcgt 840
 gttgttgagc 850

<210> 20945
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20945
 gatctgtccg cgaaacagcg gttcaaggtc gtggatcatca acgaggcgga ccatctaaca 60

cgagatgcgc aagcggccct tgcacggaca atggagaagt acagtcccaa tatgcgactg 120
 atcctcctgg caaatagcac gtctaacatc attgctccga tccgctcgag aactctgttg 180
 gtcagagtgt cggcaccgag tgaagaagat atctgtacca ttttgagcac atcggcgaag 240
 agggaagggt ggaatgaggc cccggagctt aataaacgga tagcgaagga gagtgggcca 300
 aatctccgtc gtgcgctgct tatgttcgag gctatttatg ctacagaggta tgcttcttga 360
 ctccctctgc tctgtggagc taataagggt ctccgtagt agaaagtatc ggatgataca 420
 cccattccac cacctgactg ggaagctctt atctcggtga tcgcggaaga gattcttgcg 480
 gagaggtcac cggctagact gttacaagtc cgtgccaggt tatatgatct gttaaccac 540
 tgtataccgg ctacgacgat cctcaaggtc tgtagctga ttatggaaaa cggcgaatct 600
 actaaccatg tctagacact gacattcaaa ttgatcgcca agattgacga caccctgaaa 660
 cctgaagtaa tcaagtggtc tgctttttac gagcacagaa tcactcagg tagtgtaagg 720
 gttccattga gttgtgatg atgtcaaagc tgactcagaa cagaaagtaa tatttcatct 780
 cgaggctttt gttgccaagt tcatgcgtat atatgaaagg tttgtactta cgtttctaga 840
 gtgaacatta 850

<210> 20946
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 20946

ggggagccag taactagaaa aaaactccac gggcgagcat tctatgagag cataggatca 60
 ccgaaatata tcgttgcgcc tatggttgac cgggccgaat tcgtaggtgt agtccccctt 120
 ggtccctgcg cgctaaaagt ctaactaatg tttactactc ccaggcatgg cgcattgtca 180
 cccgttcctt tatgacaccc gaagagtcta agtccgttct cgcatacagt cctatgtatc 240
 atgcgcgtct ctttgaggaa catgctggct atcgcgcaaa ggccttccac ccgactcgcg 300
 cttggggcca caccaaatgc aaaggcgacg actctccata cctcgacgga aaccagcgga 360
 ttgaccggcc gctatttgtg cagttctgcg ccaatgatcc tgatgacttt tttaacgccg 420
 cgcgccatgt ggcaccttat tgcgacgcg ttgatttgaa cctgggttgt ccgcaaggca 480
 ttgcaaggcg aggcactat ggcgctttcc tgcaggagga ctgggactta atctacaaat 540

tgatcaacaa gttcatatg gaactcgaag cccctgttac ggcgaagttt agaatccaag 600
 aatcgaagga gaagactttg gagtatgcca agatgatact ctccgctggc gcaagactaa 660
 tcaccctcca tggacggaca agagagcaaa agggtcataa taccgggctg gctgattgga 720
 gctatattag gtatttacga gataacctgc ccccgacac tgttatcttt gcgaatggga 780
 caacctgaac acgacgattt ggccgctgct cgaggaaccg gcgcagatgg tgtgatgagc 840
 gcgaagaaac 850

<210> 20947
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 20947

ggctggcgcg catatatggg gagacgggga gcatagagtg gagaaatgtg gaagaagcgc 60
 ctggaccagc gaaacggccg atggccggac acacgtggga ctacagtact ttaatatgct 120
 gcagctgctc tctgaagact tctaggaatc catacctacc ttcagagcgc agtcaacatg 180
 caacacccaa cagtccaagg atgtctggtc tcgtttccta cccagagat cctgcttctc 240
 aactcaaca ggcccagaaa gcgtaattct ataccgcttg ctataagcgc agacatcata 300
 cggctatggg aatggttcga tgcagagcct acattacgag ccgcaatcat cactggtaca 360
 ggtgaatcct tctgctctgg agccgatctt aaaggtatct cccccagca tcagattcca 420
 tgcagtatct aaacgcacca cttcactaga atggaacgaa ctcaatgcc gcgganccgt 480
 caataaaatg accgccccgg 500

<210> 20948
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20948

gttataggca agtctattgt tggcgctcac tccgtagagg aattctgctc caagctcaag 60
 cgccctcgcc gtatcatgct ccttgctcatg gccggaaacc ccgttgacca gttcatcgag 120
 tctcttctgc cccacctcga ggaggggtgat attatcatcg acggtggtaa ctcccacttc 180

cccgacagca accgccgcac caagtacctg aaggagaagg gcatccgctt cgtcggcagc 240
 ggtgtctccg gtggtgagga ggggtgccgc tacggtcctt ctctcatgcc cgggtggtaac 300
 gaggaggcct ggccttacat caaggatatc ttccagagca tcgccgccaa gagcgatggc 360
 gaggcttgct gcgactgggt cggatgatgag ggtgctggtc actacgtcaa gatgggtccac 420
 aatggtattg agtacgggtga catgcagctc atctgcgagg taaggcgtga aatttatctt 480
 aagaaaccag gctaattgtt acaggcttac gacatcctca agcgtgggtgt cggcctctcc 540
 tccaaggaga ttgccgatgt tttcgccaag tggaacaacg gtgttcttga ctctttcctg 600
 attgaaatca ctcgtagcat tctctacttc aacgacgacg atggaacccc catgggtgag 660
 aagatcctcg acaaggctgg tcagaagggt acggcaagtg gaccgcgctc aacgctctcg 720
 acctcggcat gcccgtcacc ctgattggcg agtccgtctt cgctcgctgc ctctctgctc 780
 tcaaggacga gcgtatccgg ccagagcctc ctcaacggcc cactcccgag ttcacggtga 840
 caaggaggag 850

<210> 20949
 <211> 464
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20949

aagaaagtcc tagacgtcct cgtaagacca ctaggcgaag tcttagacct caactctcgt 60
 ttttcggcgc tcttccctga gcattacaca aatgcgcttc catacagcac tgcccctaca 120
 aaatcctccg caccatcttc gtcttcgccc tcgcaacttc aacttgtctc ttctcctgcc 180
 gcagcccgtg ccctcctctt caacctcctt acccatcca ccccgcttat cggccacgca 240
 attgacaacg acctcaacgc ctgccgcata atccacccaa ctgtgatcga caccgcaatt 300
 ctctacccgc atccggggcg cgggttaccg tategaatga gcttgcgcac gctcgcgaag 360
 aagcatctag accgcgagat ccagactggg ggcgcgagtg gtaagcaggg acatgattcg 420
 gttgaggatg cgctggctac gggggatctc gtaagggtta aggc 464

<210> 20950
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20950

gtcgcaaacc agcaattcgc aggcgacacc tcgtgcttct cggcgtttac agggcgaagc 60

tgctgtccca tcctcgtccc ctatgttctt tcagtcacat cccgtaaggg gcaacagcag 120

cagcgctgaa acgccagatg ctagaatgga agagcctagt tcacccatca gggcttcctc 180

aacaatggat gacggcgaga caaccccgcg tgctaccggg cctgcgcttc gaggtaagat 240

atggctttgc taaacgatag ctaggagaag ctaatgtttg caaccagatt cctcaccaat 300

tcgatacgta tccagttcca gtctacgcg cgctttcggc cggcagacag gtcactccaa 360

tattcctagc agcagcagtg gtttgttcgt atcatctcga cagggattgg acggccagcg 420

gatcgctcc cgcgcagtg acctatattc tggaggcttt ggttcaacac caagtcgcag 480

acgcagggtc tttgtggatg ctaatggggc cctgccgct gatggcgaga ttcaatccga 540

tgcaaccttc tctaatatcc acccagatac ttcagaagca gaggccatgg gcggtagttc 600

gacccgtgtg atctggggca ccaatatctc catccaggat tccatgtccg cgttcaaaaa 660

tttcctttac aactttacca ccaagtaccg tctatgggcg gatggggcta ctgaagacga 720

aactcgtcgt atgggagaga tggcagagga acgggaatat atcaacatgc tgaacacgat 780

gcgtcagttg ggcgtcacia gtctcaacct ggacgcaaaa aatctcaagg catacccacc 840

aactttgaag 850

<210> 20951

<211> 483

<212> DNA

<213> *Aspergillus nidulans*

<400> 20951

ccattatgcg gaaacctgtc ccgctcattt tctttcctca tctcttccga atttaacggg 60

agggtttggc tctccaaggg acaatcatca ggctcgtctg tttccccctc agcgtccttc 120

atcttagacg ggtttcctcg caccgcctcc caggccgcga gcttggaactc cctgggtccc 180

atcaactttg tcgtccactt agtcactcca ccctctatta ttctctcccg gatagcgtcg 240

cgctgggtcc acgagccgtc tggaaggggtg tacaataccg atttcaatgc tccaaaggtc 300

cccgaaagg acgacgtaac aggagaacca ttgactcaga gggaagacga ttcaatagag 360

acatggaaac aacgactaca taaattcgaa gaaacaagca aagctctact tcaacactat 420

caacaaaagg gctgtctttg gcgctggaa ggcaactcca gtgacgagat cactccgaag 480
ctt 483

<210> 20952
<211> 479
<212> DNA
<213> Aspergillus nidulans

<400> 20952

gatgccagca tccagacaaa cctggacacg acgcatgtcg cctgtctccg tatcttccca 60
ggatatcaagc cggagatggg ggatgcggtg ttgaagctgg agggcttgcg tgggctggtc 120
ctggaaacgt ttggcgtctg gaacgcgccc cacggccagg acaatgccat gaccaaggtg 180
cttgctgacg cgatcgcgcg agggatcgtc atcgtaatg tcaactaatg tgagtaaccc 240
atagcgtcag aagaaaccga tcaacgttac taaattgtcc aggtctgacc ggtagtgtca 300
gccccgtgta tgctcccgcc atgagtctct ccaaggccgg tgctcgcgcg ggattagaca 360
tgaccacaga agctgcccta accaagctgg cttacctgct ggcgctcccc ggggctggacc 420
ccaagctcgt ggcgagcaag atgtccttct ctctgcgcg tgagctgacc cgagtcgggt 479

<210> 20953
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20953

gatgcagatt tggagacgac gctaacggct ctccagtga ctcgcaacgg aaatgtggat 60
tgtcatcgtc ggccgtgccc tgagcgggtat tggcgggtgct ggcgtcatga ccatgagtgc 120
gatcattatc accggtgagt gcgaggccag gtgccgggaa tactacagtc agctaaccgg 180
gcagacattg tggccaagcg agagatcgca acatggcgag ctgttgtcaa cctgtccatg 240
acgctgggtc gcagtcttgg aggccaggtt ggcgagtgct tgacggacac aatcggtatg 300
cgatgggtacg tctatcgaat gctcctattg tctacatgct gaccctagca gggcattcct 360
tctgcaagct ccattactgg ggattgccgc ctttctcgct gctattcaac tcaagctggg 420
ccagcgtaat ggctttgggt cacagcctaa taagtccaag ttcagccgta tcgacctccg 480
cggatccatc ctggtggcca cgagtatcgc ggccatcatt cttctccttg accagggcgg 540

aaaggcattc ccctgggcat ccctgcccgc attagtccta gtcagttcgg gggtcctaac 600
gcttgccctg tttgtttaca ctgagctcta cgttgccacg gagccgatct tcaaactcca 660
gatccttaaa cgtcccaacg tggctgctag ctaccttgtc agtccttcc aggtcgccgc 720
tcaggtcggc atgatgttca ccgtgccgct ttacttccag gtttctggat cgggcgtcca 780
gtaccgttgc tgggtgctcat atgattcccc cagtggctgg caatgcaatc ggggggctta 840
acagcaggtt 850

<210> 20954
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 20954

gatagaactg ggggtgaaga ggagagttat ggatacagat taccttgctt gtttgcacag 60
agagaacatg gagctcatcc atgatgatcc gattgagagg atcactgttg acggcgtgag 120
aaciaagtca gggcggaaga tctatgctga tgcaatcatc ctgcgaacgg gatttaagac 180
tgccgagcca ctttttcctc ttggagataa catccgtggg gaagggggcg ttactctgag 240
tgagcacgtt tgtcacctcc cagtgtacc agggctatca aagtgcatt ttgacacatt 300
aacgcagtgg gaaagtaccg cctcccatgc cccgcaagca tactacggta catgcgtctc 360
gcgggtcccc aacatgttta tccttgctcg ccctaatacg gcgacgggac atacctctgt 420
actctttaca gtggaatgcc agattgattt cacgctgaag gttcttgatc ctattctcaa 480
ttctctctat cccgagtcac catcgctcat ctcctctgtc ttgcaggaga tgatctgttt 540
cctccgaaa cctttctcct ctggacctcg ggcgggaaag aagctcgac taccaccaga 600
tatagtctcc gtaacgtccc aagcagagga aaaagaaagc caatggatcg acgaggcaag 660
taagcaatat gtctggacga gtggatgtgc aagctggtag ttgcaccgt cggaaggaa 720
tacgacgctt taccctggga gccaggtggc gttttggctt aagagttggg ctggcccttt 780
ggcgggtgat tttctgtata gacggagctc ggccgcggtt ttggatgagg ataggcgagc 840
tgagggtgat 850

<210> 20955
<211> 713
<212> DNA

<213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 20955

```

ccccccaccc accacacaca cacacaacac aaagaaaaac caacaaaaca aacgaacaaa 60
cccacccaac acccacacac cgaatacacg ctaaaaacan cnnccccccc gacggcgcg 120
gantaataaa aacaacccag ggaccaggaa agcccaaagg ggacgccgac gagacgcacc 180
aattactggg cgacacggcc gcggccgccc caggggactc taacgaaaaa cgcagggacc 240
caacaaaaac gagaacgcna cggcacgacg ccggaaccac ccaccacaaa caaggcaaca 300
accacccgac ccaggaaagg gaaccgcacc ccagaaacga agagaagaga cagacgcgga 360
gaaacgggag gaacccgccc gaagagacga agagcccaca agcgcacaaa gaggaaggaa 420
caaaaaccgg ccgcaccaga acacaaaaag acacagccaa cccaggcaga gccacaggca 480
agccccgcg cagcgaccgg acaaagaaag accgcacaac ccacaaaaca cagcagacc 540
agggcaccca agcaccaagg aacaccacaa aaagagggcc aacacaccac caagaacccc 600
acccaaagaa cccccgcaa acaaaccgg gaaaagaaac aaaccgccc gaacacccaa 660
acaagcacac acccatcagg cagaaaaagc ccaaacaca acgccccccc agg 713

```

<210> 20956
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20956

```

cagcccaagt gggcgtaccc cgctgctgc gtctcttcca aaggcatggc atttctcgt 60
cggtgacctg gttegtccct ggtcactcaa tggagtcgtt ccccgagcag actatagcca 120
tcgtcgactc gggagcggag attgggtgtc acggttatgc tcatgagggt gcaacgcagt 180
tatcagaggc ccaggagcga gacgttatcg ataaatgcgt ccagcttgct acagtattga 240
ctggaaagaa gccgctcggg tggagggcac ccctgtatca actgcgggag cactctgtca 300
gtaggctcga agagcatggc tttctctacg gtgcgtcacc cttggccatt caccgtaccc 360
attctaacc cgtctagaca cttccttgac ccaccatgac tcttctccat atttctgct 420
gacaaaaaca accccccagc caatcgactt ctcaccgtca gtcccagcct catcgtggat 480
gcatccactc ccgccaccag ctccccggac agccagtacg ctcgttgaga ttccctgcaa 540

```

ctggtacatg gaagacatga ccccatgca gtttctccct gcggccgcga attcgcacgg 600
ctttgtcagc cccgaggcga tcgagaagaa ctggaaggcc cgctttgagt atctctacaa 660
tgagactatc gatggcgccc agcaggctctt tattttcccg ttgattttgc atccggacac 720
tagtgggatg gcacatgtca ttgggatggt tgatagggtc attggatggc tcaaggggtg 780
gcaggggggtg gagtttgtaa catttgggga atgtgcgaag gagtgcaaga gcaggcagta 840
gtccaatact 850

<210> 20957
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20957

cagcgtacca ttgagaagtt cgagaaggaa gccgccgaac tcggttaaggg ttccttcaag 60
tacgcttggg ttcttgacaa gctcaagtcc gagcgtgagc gtggtatcac catcgatatc 120
gctctctgga agttccagac ccccaagtat gaggttaccg tcattggtat gtatatatga 180
tcctgtacaa cgtaactcca tctaacaatt caactagacg cccccgggtca ccgtgacttc 240
atcaagaaca tgatcactgg tacctcccag gctgactgcy ctatccttat catcgcttcc 300
gggtactggtg aattcgaggc tgggtatctcc aaggatggcc agaccogtga gcacgctctg 360
ctcgctttca ccctcggtgt ccgtcagctc attgttgccc tcaacaagat ggacacctgc 420
cagtgggtctg agggccgtta caacgaaatc gtcaaggaga cttccgggtt catcaagaag 480
gtcgggtaca accccaaggc cgttgccttc gttcccatct ccggtttcca cggtgacaac 540
atgctcgaac cctccgcaa ctgcccctgg tacaagggtt gggagaagga gaccaaggcc 600
ggcaagggtca ctggttaagac cctccttgag gccatcgacg ctattgagcc tcctgttcgt 660
ccctccaaca tgcccctccg tcttcccctc caggatgtct acaagatctc tggatatcga 720
actgtccctg tcggccgtgt cgagactggt gttatcacc ccggtatggt ggtcaccttc 780
gctcccgcca acgtcaccac tgaagtcaag tccgttgaga tgcaccacca gcagctcagg 840
aggggtgctcc 850

<210> 20958
<211> 850

<212> DNA
 <213> Aspergillus nidulans

<400> 20958

```

agccggcatc agcaaaataa ctgaacgttg tgatctgagc agtattgcaa caaactcgac   60
gaaataccag cttgcggtaa ccgggttcag tgatggaccg gatgactaca atgagtactc  120
ggttcctttt ccctcagaag tacttgtcgc gatggaagaa atgtgtcttg cacgagatat  180
tagtatgagg tctgtgatcc agtttgcaat gcattatgtg ttgaaagggg tcggtggtgg  240
ctcacatact gttgctgcgt cgatcgatgt gggtagacgc cccaataaca tagcgacatc  300
atacactatt acaccctcaa ttgtctgccg tgagagcaga caaggacaga ccgtgatgca  360
ggagattcag agtatggaaa agttaaacca attgaggaag caagaaatgc atccggggga  420
ggctggatta agtctcatca gaatgggggt attcgacatt ctggttatct tcgcagatgc  480
aaacaagtgt gaggttctaa ttgttggtt gcctctagca gtaatggtgt gcgaaggagg  540
tggaagactt caggttagaa tacacttctc aggggtccctt tttcgacaga agacgttagt  600
ggatatcgcc gaagccctga acgtcttggt cgctaaggct gcgtcggggg gagcgacgcc  660
ggtcgagat cttgaacttc tttctgcaga gcaaaagcag tagttagaag agtggaacaa  720
gacggatgga gagtactttg aatgcaaaga ctcaatcacc ttattgagga agcgacacag  780
ctgtttgaga ccaagttgca ttttgtacaa acgttccagt ttcattcggc gattgaagcc  840
caggcactgt                                     850
  
```

<210> 20959
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20959

```

gaatctgcta tgctgatcaa gcccttcacg gcgcactgca cgatggccga aatccaccag   60
atcatgtgct ccggctacgc aaccatcgca ggttcggtcc tgggtctcta cttttccatg  120
ggcgtcaacg cgcaggccct tatctcatcc tgcgtgatga gtatccctgc atccctcgcg  180
tgttccaaac tgcgctggcc tgaagaagaa gaaaccctaa cggccggccg tgtcatcatt  240
cccgaagaaa ccgaagacag accagctaac ctctcgcacg ccttttccaa aggcgcttgg  300
ctgggtatca agattgctgg catgattgcc gccacactcc tttgcatcat ctccctcatc  360
  
```

ggtctcatcg atggactact cacctgggtgg ggccgggtacc tgaatatcaa caacccaacc 420
 ctaacgctcg acctgatcgt cggctacatc tgctatocca tcgccttctt cctcggcggtt 480
 agccgcgacg gcgacctcct gaaggttggg aagcttattg gcctgaagct cgttgctgta 540
 cgcacatcta ttacctacc caagcaatta gtccaaaatc aaactaaca atatgttttag 600
 aacgaatttc gttgcctact cggctcttca gaccgatccc caataccagg atctctcaaa 660
 ccgcttccgc ctcatcgcca cctatgcgct cgccgggttc gccaatatcg gctctctagg 720
 taaccagatc ggtgtgcttg cttagctagc acccagccgt ggccggcgatg tttcccgctg 780
 tgctgtgagc gccatgctta cgggtgcgat cagcaccttc acgtctgcgg cgattgcggg 840
 actgttgatc 850

<210> 20960
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20960

gaagcagttt ggcatcaaca gcccgaatcg ccgtattggg tacgagccta attcggccac 60
 cctgactcac gagatcggca aattactgga agaggccgta gatgggctct gtactctggt 120
 taaccacagc acgttgttta cgcgagaact gcgcattgtc aagtccccga ctgaactgcg 180
 caagatccgc aaggccgcct atttggccga ttttgcctc atccgcgcac tcaaattggc 240
 gaaaccagga gcgtacgagg gcgatttatg gcgagagatt gtgggaacag tctacgaggg 300
 cggcggcgac gaccagcaa acgagaacat gctcgtctcc ggaaacaagg cagtcctcac 360
 ccgttattcg gctggaaagt ccaagatcga ccgacagatt accctcgaa acgcgggcgt 420
 gtataagcat taccatgcct gccttatgcg tacaatccat atcggcgggc tcaccaagct 480
 cgcccgggag atgtttcgag tcaatatcct gcagatggaa gcagccatgg ctgccctaaa 540
 acctggctcg gagataggag atgtcttcga agcctatgct cgagttgccg acaagaatgg 600
 cttccaggac caacggttta acgcgtgtgg atatagcctg ggcgccacat ttgccccgac 660
 ctggatggac tatcccatgt ttgtgcgggg ccagaaggtc attgcccggc cgggcatggt 720
 gtttttcatc catatcatcc taatggacaa agcgactgat acagcaagct cgatcgggtca 780
 aacggtcgag gtgacccagg acgggtgtgt tgctctctct aagctccct tctgtatcac 840

gcggaagcag

850

<210> 20961
<211> 755
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 20961

cgcaaagagg aggttgctct tcgaagacat aggaccactg ctgcgtacac acagaccggt 60
ctcgaaaggg agaccgatac agacggaccg ctttttcctc taactcgccg tcatgctaca 120
aggaaccata ctagagcagc acagagagga gctcgaacac aatataccga catacgcaga 180
ggccagtcta gccacccaac caacggacac cggaccatag cctgaagcaa ctaggatcca 240
catcccgaca tattccacac aagcctgcac gttcaggccc atccccacc catcctggac 300
cgctcatccc aacctcaca caaacctaca gctccaccg actcaccccc acacctcccc 360
acaatgccc aatctgcccc accatccctt tccccctcaa gctccatggg ccccccccc 420
ctcaaccccc tcacacacct actccatttc cctatcacc aacctacaca ccatctgagc 480
aaagctcccc tcaccccccc tccatccctt tctcaacct tctttcaaca cctccattat 540
ccccatccac aaccaccac aaatctcttc cacacacccc acccatacaa tctacaccac 600
actaccacaa ctaatctcac actaaacanc cccccccat cctactctca tcaacccctc 660
acacccgccc cctccaaca caccaatacc acctccctat ctccacacat acacacttat 720
acgccccac caacgcacaa agatagaaat aaaaa 755

<210> 20962
<211> 635
<212> DNA
<213> Aspergillus nidulans

<400> 20962

cctgtctcaa gtgctctatc gctcgagaac atcactgggg tctacgtcc ctccgtcttt 60
ctggctgctg gaacgttcat tttgaagaag gaatgggttc cttttgccgt ggccctagct 120
gcaggtttcg ttgcatggaa gctgtctgtc ggcggttagca gcagtaagtg cagtagtacc 180
aaatgggtcat atattccgtg gatatgggct gacatgacgt gcagagccca ggaaagtcct 240

caacccccaac gagttccaga acttcgttct gaaggaaaag aacgacatct cccacaacgt 300
gaccattttac cgcttcgctc tgccccgtcc caccgatatt ctcggtctcc ccatcggtca 360
gcacatctct cttgccgcca ctatcgaggg ccagcccaaa gaggttggtc gctcctacac 420
ccccatctcg tccgacaatg aggccggtta cttcgacctc ctcgtaagg cttaccccc 480
gggtaacatc tctaagtacc ttaccacctt gaaggttggc gataccatga aggttcgagg 540
ccccaaggcg gccatggtct acacccccaa catgtgcgcg cacattggta tgattgctgg 600
cggtactggt atcaaccga tgctccagat aatca 635

<210> 20963
<211> 848
<212> DNA
<213> Aspergillus nidulans

<400> 20963

atcaatactg ctactccaac aagaagattt tcttgcgaga aatcatctcc aacgcttccg 60
atgcccttga caagattcgc tatgagtctc tgtctgacct ctccaagctc gactcgggca 120
aggacctccg catcgacatc attcccgatg ccgagaacaa gactctcact atccgtgata 180
ccggtattgg tatgaccaag gctgtaagtt cgcttgattt ccacacagtc gggaaagcct 240
tgactaacac tagcactagg atctgatcaa caacctcggt accattgctc gctctggcac 300
caagcagttc atggaggctc tctccgctgg tgctgatatc tctatgattg gtcagtttgg 360
tgtcggtttc tactccgcct acctcgttgc cgacctgtc actgtcgtct ccaagcacia 420
cgatgatgag cagtacattt gggagtcctc cgctggtggt actttcactc tactcagga 480
caccgagggt gagccccctg gccgtggtac caagatgatc ttccacttga aggatgaaca 540
gaccgagtac ctccaggaga gccgtatcaa ggaggttggt cgcaagcact ccgagttcat 600
ctcctacccc atctacctcc acgtcctgaa ggagactgag aaggagggtcc ctgacgagga 660
ggctgagacc aaggaagagg agggtgacga gaagaagccc aagattgagg aggttgacga 720
tgaggaggag aagaaggaga agaagaccaa ggctagcaag gagtccaagt tcgagcagga 780
ggagcttaac aagactaagc ctatctggag ccgcaacgcc gcagatatca cggaggagga 840
atacgctt 848

<210> 20964

<211> 440
 <212> DNA
 <213> Aspergillus nidulans

<400> 20964

```
ccaacctcca gcaaactgg gcctctacct cctatcatat gcagaggatc cgcgataatg 60
ctgcctgcgc ggatcaagaa tacgccaata ttctcgacga caccgacctt ggtctctctt 120
ggaacccaac ctctgacccc aaagaccgcg cctccccctt cctcaccage ctcacctcca 180
tgtccccctt cgccaacaag ccgcgcgctg cgattctccg cgaacaagggt gttaacagcc 240
aagccgagat ggccttcgcc tttaacaccg ctggcttcgc cgccattgac gtccacatga 300
cagacatcat ctccggctgc gtctccctct ccagcttcgt tggctctgcc gcctgcggtg 360
gtttctccta cggagacgtc ctccggcgccg gccaaagggt ggccaaatca gtgctcctcc 420
acgataaacac ccgcgccgag 440
```

<210> 20965
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20965

```
ttgacttcca cccctgtct atctgtaaga aggtcacccc catcctcaag aagatcgggtg 60
atgatcccg gatggagaag tatgttgctc ctctacagca ggtcatcctc acccgtctct 120
tccagcagct ctgcaggtc tacgagtcgg ttgagcttaa gttcgtttac gaacttgctc 180
agttccccga ccccttcag attactcctt ccatgattga aaagttcatc atgaacgggt 240
gcaagaaggg tgaccttgcc attcgtgtcg accacatctc cgggtgcctc acctttgaca 300
ccgacgtttt ctcatccgcc aaggctttgc actctggcag cgctgccggt tccgcagaaa 360
gcgaactcgg ctccgtacag cgtctccaga acaccctgc tgaaattgcc cgctgcagc 420
tcacccgtct ggctaagacc cttcacgtca catgcatgta tgcgacccg tcatacaacg 480
actctcgtct ccaagccaag caggccgctc ttactcgcgc tgcggctggt gctgccaagg 540
aacacgagga cactctcgaa cgtcgtgtca tcattgagaa gaagaaggag gctgctacag 600
atgcctgca gcgcaagcaa aaggaggagg aaactcgcaa gcgcatccgc acacagcaac 660
tccaggaggc tgagaagcag cgacttgctg aagagcagcg tgagcgcgag ctgaagcgca 720
```

tcaaggatga gcaagaccgc atccgtcagc aggaactcaa gaagcaactt gaagaactga 780
agagcggcgt caaggggtatt gatctcaatg aaatcgacct ggaggatctc gatgcccaacc 840
gcctccgtgc 850

<210> 20966
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20966

ttcagttctg caacgttata cctgcccatt gcgcgcagct tcgcaatttg gtcttgagcg 60
cttacccttc ctggttccag aaacttcctg atccattccg cgaaggctctg aaagtcgaac 120
gcttgaggga aatgcgagag gcaccaagaa tagcaggtga tactgccggc ccattgctac 180
gtgccggtat caagaacgtc attgataatg cactccagag caacaatgtg tccgactcag 240
ttatccagca aatccgtgac gctgtctatg atacggaaag caaggaatca ggtctctttc 300
acgctccaat caatatcaac ttactgcttg tcaacgcact ggcactttat gttggccagg 360
gggcagtctc tgtaaataaa tcaaagggaa atactcgagc agcatttgag agttctgccc 420
actcagcact gctagagaag ctggtttaga tcttgccggc tgaagcccgc tattaccttc 480
tgagcgcaat ggcaaaccac ctccgctacc ctaacagcca tacctacttc ttcagttttg 540
cgatcctgcg ccttttcggt acagattaca cggagcagga tgagtcggat attcgccagc 600
agataatccg cgtgctcctg gaacgactta ttgttcaccg tctcatcca tggggactaa 660
tcattaccct tcaggagttg ctacaaaata gtagctatgc attcttccat cttcctttta 720
ttcaggctgc gctgaggta agtcactagg tcctacact atcaggtata gctctaatag 780
gcatcatcta gattggccgt ttattcgatg ctctcctgca acacattcaa cagcaaagcc 840
ccagggaat 850

<210> 20967
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 20967

tttttttttc ttctttctct ccccttcctt tcaccatgtc ccaacatacc gttccacat 60

cccccgatgc ctctccacc acccaagtcg ccggacaccc ctctccgct acctcccgcg 120
 ccgccgaact cgccagtctt aaggtaaacg ctggcggtg cgtgcccag tttcctgact 180
 tcccgcccc cggcacctc ttcgaagata tccttcccat cttctccgat cactccaccc 240
 acgaagccct cgttcgctgc cttgagctcc acatcctaga aactcttgcg gatgagaagc 300
 ccgatgttat cgtgcctag agggccgagg attcctcatg ggccctagcc tcgctctaaa 360
 actcggcgcc ggttttgtcc ctgttcgcaa gcggggcaag cttccgggtc catgagagac 420
 gcagggtac gagaaggaat atggtcagga cttcttcag atgcagtcg atgctatcaa 480
 gcctggccag aaggtgatcg 500

<210> 20968
 <211> 750
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 20968

aaagcaaagt gaagaaactg aaaaaataaa gaaaacaact aaagaaaaag aataaaagag 60
 acaaaacgaa agaagaagaa aaaaaacaca caagaaaagg gagctgtgag caagcaagag 120
 atacaaagga agacganaaa gggggggaag caangaacga caacaaaacg aaagaatatt 180
 ttttcaagga agaggagaca cagaaaaggg agggggggggg acaagaaggg aggaggaaag 240
 gaaaagacaa caggaacgga caggaaagag gaagggagga gacgaacaaa ggaagggaaa 300
 cagagggaaa gcgaaagaac agagggggggg gaccaaaca aagaaggcgg ggaaaaaagc 360
 ccagaaacag tggagaagag aggaagaagg gaaagagaag accaggagca gaagacaatg 420
 gaggacaaaa aagaagaacg gcgggcagaa aaggaaaagg aaacacgagc agaaaaggag 480
 agggaaaaag ggacaaaaag agagagggggg aaaaaaaaag caaggacacg aaggcccagg 540
 gaacggaaag gaatgaacca aagggggagg aaaaaagagc tgccaaaaag aagaaaaggc 600
 aggaaaaaag aaaaacggca tcgagaaaaa gaggaagaac acggggcgga aaaaaaccgg 660
 aaaaaaaaaa gtgaaaaag gagaaaaaag acaaaaagca ggaagaacgc caaccggggg 720
 gcaaggggga agcaaagaaa ggaggggagg 750

<210> 20969
 <211> 575

<212> DNA
 <213> Aspergillus nidulans
 <400> 20969

```
ctcgcgaaaa ccaaaaacga ggtcgtcgtg cgaccgaaaa agccaaaaag gaagcatcca 60
aacggaagcg cgacgaagga attgaagaac caacgcttaa gcgattaaag ccctcagcgg 120
acgaggacaa cgcagtcacc gccggcgag actacgtacc tctcgaagga gaggaatacg 180
atgaccaata tgcgacggga gcggcagatg aaatgccttt ctacgggtctg cttgactccg 240
aagaacagga atatttcagc agagcgaatg agatgctaga gctgaaccaa ttcggggacg 300
ccgaggagcg cagattatth gtagacagtg tgthtcggga ggctaggggg aaggaattga 360
aaatcgcttg cagtcagtcg tgctcgcgac tcatggagaa gttgatatca gthtcggata 420
ttcatcagat ctggaggttg tthaacaagt tcattggaca thtcttgacg ctcgtaacagc 480
atcggthtgc gagtcatgtg tgcgagagat tgthcatcag cgcggcacca ggtgtgacgc 540
agaaggcgtc gaaaacaaag tcaaaaaaag acgat 575
```

<210> 20970
 <211> 711
 <212> DNA
 <213> Aspergillus nidulans
 <400> 20970

```
cagggcagct caactactth tgaggcaaaa aaacaccccg aagtaatgtc acacctcgth 60
catcagcttg gtctctctcc ctctaggct tcacagacgt thtctccatc gacgagccag 120
accttctcgc gcttggtgccg cgcccttccc aagctctctt cctggthtth cctgtctcaa 180
aaagctacga atccagtcgt atcgccgagg acagctctct cctgagtac acgggctccg 240
gaccaaataa gcccgtaatg tggttcaaac agacaattcg gaacgcgtgc gggctgattg 300
ggctcctaca cgctgtgtca aatggcgagg caaggaaaca tathctgcca ggctcagatc 360
ttgagaatct gctaaaagag gcggagaagc tagatccgat cagacgggca gatctgctgt 420
acgaaagtaa ggcgttgagg agtgacatg ctgatgcagc gaaattgggg gataccaagg 480
cgctgggggc ggaagatgac gtggatctgc atthtgtggc atthgtaaag ggggaggatg 540
ggaggctgtg ggagcttgat gggcgaggga ggggccgth ggagaggggg gtacttgagg 600
atgaggagga tgccttgagt gaaagggcgt tagagthagg ggtcagaagg thtctggatg 660
```


ttgaggctaa aggaggaat ccgatttac gggtcagcct tgtcagcttg g

711

<210> 20971
<211> 783
<212> DNA
<213> Aspergillus nidulans

<400> 20971

gccctgtcca tcaccgccag ctaatacatc ctccgtaacc tccgccctct gcacaaacct 60
cgtcatactc cccagcgtcg taatctgctc atcaaagacc ggccagagtt catccaccag 120
tacctccaca gcaaccctaa agacagggtc aaaccaatct ttctccccac tgcgccaac 180
cagtctatcc gcctcctcgt cctcctcaat accctgttcc tccaccgccg caacggccag 240
taaaaacggc gctttggatc gcagcgccgg cttgtcgttg ctgggtgctc ttccttggtg 300
caggacaaca ccgagggtcac ggccgacggg acacaacaag aaatacaggc aacgactgac 360
cgtgtgaaat ggacccggac tcttgatttg agcgatacct ggcacgtagt cgctcaatga 420
gctctgtgtt ggtcatgtcc tccgccatta cctctctgct tcctttctcc tcttcttcgt 480
tatctagcca atcccatcgg atttcaaacg cttccgcgc attctcaacc tcttcagccg 540
actgtcattg ctccaaagcc gcctcaaagg gaatccccac gatttcagac accctccgct 600
gaaactcttc cacgccctca aagccacaat ccgaatccac catccgctca gctgcagaga 660
cagccgcagc agtccagagc gccacaaacc cccaattctt tctcgggctc cgatacctct 720
ttcgccaaat cttcaaccac tctggcggtg gcggcgccgc cgccggagcg cgtcctgcag 780
tat 783

<210> 20972
<211> 817
<212> DNA
<213> Aspergillus nidulans

<400> 20972

tttttgcaag tggtttattc tattgtcaag gtaaagcagc tgtgaaaaac cgatcattcg 60
ctcgcacgaa aagatctttt ttcagatcga gtctgtttac caactgctgc agcttatctt 120
tacatatttt ggtctggtga gttccctact tctaaaatat cagaactcat ggctaccaac 180
gataggcaaa cttttaccta gctttcttct tcattgcggg ttctcttacc gatgagaaga 240

ttgacccatt tggccacaac atgggcaa atcatatattat cgttttgaga tatgcttggtg 300
 ttcttggttat gtgtcttcaa ttcattcttct ctatgggcaa tcgaccgcaa gggtaagact 360
 cttttactcc agataagagg cgtactaacc ggtctataga gcgaagaagc tatacctttc 420
 aagcatgatt gtctacagta tagtcatggc gtataccgca ttctgcacac tatactctgat 480
 cgtgttgagg cttatggcta agactggcca cgatgttccc ataactatga gcgatacgct 540
 tttcgtgaac atcgtgggtt ccctactttc cacggctggg ctgtactttt tcaacttcgtt 600
 catgtatctg gacccttggc atatgttcac gtcgtctgcg cagtatttcg ccttgctgcc 660
 cagctatatt tgcacactgc agtggttatgc gttctgcaac acccagatg tcacctgggg 720
 aaccaagggt gataacacaa tcaacactga cctgggtacg gcgcgcatca tcaatgggtc 780
 tattgtcgag gtcgacatgc catccgacgg tcttgat 817

<210> 20973
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20973
 gggtgacgat catcctgtat atcttcgctg aggcagctat tggtgcaacg gatatagcag 60
 aggtacgggc actatatttc acttttgacc aaatttacta aatatcggtt taggtcgtgg 120
 gctctgcaat ctccctcaac ctccctctta atatccact tggtgcgggc tgcgccatca 180
 ccctggcaga tggtctcttt atcctgatct tctacagacc gaatggetca atgtggggtc 240
 tgccgctggt tgagttcttt gtcattggcct tggtgctggg agtagtcata tgcttctgca 300
 tccagctatc tctcatcaaa gagcagtcga tcggagacgt gttccgcggc tacctcccgt 360
 ccccgccgt agttcaatct aatgggtaca ccatcattct ctccatcgta gggacatact 420
 gaccttcata gggtatacca aagctgcggc atcctcggcg caactgtcat gccccactcc 480
 atgttcttag gcagtgggtat tgtacaggcc cgcctcaaag aattcgacgt catctccggc 540
 tacgccgacc caaccgtctg cattggcagt acaaacgggt aagtcgagta ccgccatct 600
 ctccgtgcaa ttcgcggctg catgaaatac tcaatcattg agctcgctct gtccctattc 660
 accttcgcac tctttgtgaa tagctccatc ctcatgttg ctggtgcttc cctctacaac 720
 acccctctg caacagacga cgcagacctc ttcggtatct acaacctttt atcgtctgta 780

atctccaaag cggcggggac ggtcttcgca ctggcccttc ttctttccgg tctttctgac 840
ggcattgtct 850

<210> 20974
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20974

ctttacgaca acagtactca ggaattttta caaaaagtcc atcaagagat ttctgaactc 60
gtgccggaga agaccgaaga ctgagagacc aaagaagagg aaccaaaaga gtcggacgcg 120
ttattggaca accaatcttc atctattggg gctaacgctg attccaaggt gtcagcagag 180
gcgcgctactg cgtttaagaa tattctcgat atcctcgatg ggatcaaaac cattcagctg 240
aacatggagt tcctgcatcg gaatagcagg gttgatatag ctattctcaa caaacttcga 300
gacaccttgg aacctcgcaa ctcgattttc cactcggcga taacgatctc aaatggattt 360
atgtacgctg gaacagcgca ggacaaattc ttccgtgata acctggaatg gcttggaaag 420
gcggttaact ggtccaagtt tactgcgacc gctgctctag gcgtcattca ccgtggcaat 480
ttgagccagg gtcagaggct tttgcagcct taccttcaa aggagaacag tatcgatggc 540
gtcggtaact ctggatctct gtatagtcag ggcggctcct tatatgcgct tggtttgatc 600
tatgccaacc atggcggaat ggctgtcgac tatattcgtg accagttcaa gaaagctacc 660
gaagaagtga ttcaacacgg tgggtgccttg ggtcttggcg ttgcgggtat ggcaacagga 720
gatgagggta tatacgacga tctgcgaaac gttctgtaca ccgattctgc cctcaatggg 780
gaagccgttg gtcttgccat gggcctggtc atgttgggaa ccgtaacat gaaggtgctt 840
gaggacatga 850

<210> 20975
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20975

gtctctatcg gtgacgaatt gatatcctac gagttcaaca acttcaagta cctcaccggc 60
ccaaagaagg ttctctcctt tggcgggttg gatttctcaa ccaaccaag gacatacaac 120

atcttcagac aggggtacaca accagcgaac cgtctcaagc tagcaacaaa tatcgccaag 180
 ttctgcaagg atcacgggtct ggacggcggt gacattgatt gggagtatcc cgggtgtaagt 240
 tactccctct tctccaagag tagccttttc aagatgtatt ctgacatata acagggtccg 300
 gatatccctg gcattcccgc cggcagtga gatgagggag ataactactt gaagttcctg 360
 gttgtttctca agaacttggt gaaagacaaa tctgtctcaa tcgctgctcc cgcgtcatac 420
 tggatatctta ggggtttccc tatcaattcg atcagcaaag ttgttgacta cattgttttc 480
 atgacctatg accttcatgg gcagtgggat gccgccaacc ccaactctca ggacggctgc 540
 ccgagtggaa actgtctgcg cagtcaggtc aatcttacgg agaccatgac ttctttggcc 600
 atggtcagtc accaaccccc tacaataaat ctacaatcac taatttgtgc tgctgtaaga 660
 ttaccaaagc cggagtcccg tctgaccgcg tggttgtggg agttgccagc tacggccgct 720
 ccttcgccat ggccgaggtt ggttgctacg gcctgagtg cctgtacacg ggctcacgcg 780
 ccaactccga cgctaccaa ggaccatgca cgggtacaac aggctatctg gctaacgccg 840
 agattaacaa 850

<210> 20976
 <211> 404
 <212> DNA
 <213> Aspergillus nidulans

<400> 20976
 aataagtcac ggctcattgc aaagcttcca atatcggcaa atgcaaaggc cgttagtga 60
 tgcttgactt acgtgaaaac gaaactcgcg gactaaatgt gtctatgttc ttgcctctag 120
 tcttgaagat ggctcgtgta ctcattggatg ctacgtccct aaagtaagtt gttcctgaat 180
 tattctatag cgagcagctg tatggtgtct aacaggccac attatgttta taggcaatta 240
 gcgaccaggg tgctgtctgct agcgaatggc ccagtgccgt ctctagagcg gttggtggca 300
 acgcaggggg caaaggctcat acgtcgattg gcaacgggat caatcccag aaggttgatg 360
 acgcggtaga cttggcttcg gaatacctca gcaagttcaa gtta 404

<210> 20977
 <211> 648
 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
<400> 20977

taaagtatcc cttttgggag tcaccccgca aggccaactc attgccactg ttctccaccc 60
gaatggaaac atcgcaagat atcttctgga agccgggtctc gcccgatgcc acgatcatca 120
ctctcctctc ctccgtgctg aaatggcagc cttccgccgt tcggagaagg tcgctaagga 180
tgcccgattg ggcttgttca ctggctctgt cgcgccaag ggtcctgctg gcggggccac 240
tgagcaggat tacgttgttg tccgtgtgct caacgctgac accattttcg tcaggaacaa 300
ggctggtcag gagaagaagc ttagcctgag tagcatccgt caaccaagc catctgaccc 360
caaacaagcg ccatttgctg ccgatgctaa agaattcctg aggaagagga ttattggcaa 420
gcacgtaaag gtgaccatca atggcaagaa gcctgcgact gagggctacg aagagagggg 480
agtggccaca gttattcaag ggaacacgaa cgttgctctt gcccttgtgc aagctggata 540
cgcacgggtt atccgtcacc gtcaggatga cagtgaccga tctcctatct atgacgatct 600
gatgattgct gaagctgaag ctcanaagga tggaaagggc atgtggag 648

<210> 20978
<211> 504
<212> DNA
<213> *Aspergillus nidulans*

<400> 20978
ccgtatgctg tggctttcgt agtgactatg atcacagcat acatagcgga ccggtatcgg 60
cagcgcggaa tctgcgcctt tgcaaccacc tccatcgctc tcatcggcgc agcgctcatg 120
cttgtcggcc gcagcatcgc actccgctac gcggcactta ttctgctcgt cacaggaatc 180
tacgctgcag cgccgtgtct catctcatgg gtccccaaca atacagcggg ccatgttagg 240
cgcgccacag ccgttgcctt cgggttcgtc actactagtt cgggcggcgt gctgagtact 300
tggatctacc cgaagagttc ggcgccttat tataccttag gtgcgacagt gaatctctcg 360
ctcatcgtagg ttctgcttgt gggattgggt ctccaagtcg gtgttttgat gtggctgaat 420
cggcgaaagg aggtgaagag aacggagatt ctgagtgagc cagggtgga aggacttagc 480
tttgaagagc agtttgagat tctt 504

<210> 20979

<211> 716
 <212> DNA
 <213> Aspergillus nidulans

<400> 20979

```
tcgacggtcg ccctcgcgac cagtctttcc agcgaaaaac cggttacgtt caacaacagg 60
accttcacct tcacactacc actgttcgtg aggcactgcg ctttagcgct ttgcttcgtc 120
agccggccaa aacaccccg caggagaaac tcgactacgt tgaagaggtc atcaaacttc 180
ttggaatgga agcctacgcc gacgccgtcg tcggtgttcc tggatgaagg agcttcttcc 240
gccattaag cgctatactt tgctaactct tctaggcctc aacgtggaac aaagaaagcg 300
tctcaccatc ggtgtcgagc tcgctgctaa gcccagttg ctctcttcc ttgatgaacc 360
tacctccgtt ctcgacagtc aaacctcgtg gtctatcctt gatcttatcg acactctgac 420
acagcatggt caagctatctt tgtgcactat ccaccagcct tctgctatgc tcttccaacg 480
tttcgaccga ttgctgttcc tggcaaaggg tggtgaagaca gtgtattttg gcgagattgg 540
tgagaaatcg tccactttgg ccagttactt tgaacggaac ggtgctccca agctccctgc 600
cgatgccaac cctgcggaat ggatgcttga ggttattggc gctgcacaaa gatcccacag 660
tgacatcgac tggcctgcag tctggcgcca ggtcccga cgtcaagctg tgcacc 716
```

<210> 20980
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20980

```
tcatgaaaaa ataccttctc tcccttctcg ctgcggtgac ctacaccacc gcgcagtccg 60
tttctggatc tgctgagggc ttgcctcag gcgtcaccgg cggcggcggc gcaacccccg 120
tttatcctgc tgacacggcc gagctcgaga gccttctctc cagcgaaggg gagcaggtaa 180
tcgtgctcac aaagacctac gacttcaccg gcatttctgc taccggcaca gcatgctact 240
cgtgggggtac cggagaaggg tgccagctaa tctgcagga cgactgcggc gacacccccca 300
gcaccacagt gacgtatgat gcggccggta aaaccccgat ccccgttgct tcagacaaga 360
cgctgttggg tgtgggcagt gaagggtgta tcaagggcaa gggctctgagc ttcacggaca 420
acgtgagcaa cattattgtg cagaacatca agatcacgga actgaacccg gagtatgtgt 480
```

ggggtggaga tgcgttgacc tttgacgggt caagtaacat ctgcattgat catgtcgagg 540
 tatgccatat tggtcgttct tactgcattc cgaagggtaa atcgtgtcca attcgaccaa 600
 ctgacaatga acaaatagac gtcccttata ggccgcgtcc actatgtctt cggctacaat 660
 ccgaacagcg gcatcacctt gtcgaacaac ttcataacg gcgaaactac ctactctacc 720
 agctgcgacg gataccaata ctggggcctt gagctagtcg gcaagaacga ctccatcaca 780
 ttcaaaggta agcccgaccc atggcgcatg cgcttcgaca ccagccaacc gtatatatat 840
 aggaaactat 850

<210> 20981
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20981

ttggatgccg ggcaacagcc cgcattatgg gcgttggcct caacacgatt ttacgtcact 60
 taaaaaactc aggccgcagt cggtaacctc gcgcatacag ccgggcagtg gacgtcatcg 120
 tctgcgcgga aatggacgaa cagtggggct atgtcggggc taaatcgcg cagcgctggc 180
 tgttttacgc gtatgacagt ctccggaaga cggttgttgc gcacgtattc ggtgaacgca 240
 ctatggcgac gctggggcgt cttatgagcc tgctgtcacc ctttgacgtg gtgatatgga 300
 tgacggatgg ctggccgctg tatgaatccc gcctgaaggg aaagctgcac gtaatcagca 360
 agcgatatac gcagcgaatt gagcggcata acctgaatct gaggcagcac ctggcacggc 420
 tgggacggaa gtcgctgtcg atctcccat cggtaggagct gcatgacaaa gaaataaagc 480
 attatctgaa cataaaacac 500

<210> 20982
 <211> 752
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20982

gtcccatcaa ccggcaacca agatgcaagc aaacaaaaac acaatgtccg aagaatcagt 60
 cgctgtcaga tgagtaacta tgagccatcc ccgcgtttat ccgctgaaat ggccaggtgg 120
 gacccgattt gaattcacc acggcttccc ctgcccttca aacgcaaaac gtgccggaat 180

tccccaagca ataatcgagg cagccattgc tcgaggccag ggactgagca ttaccgaaga 240
agcgctggag ccagtaacaa ttgaagcaat cctaccacat tctgttgccg acgtaatcga 300
atgcctaact gagagcaagg ctcggtatt gcaggatgta cggcatgcta ttaaaaaagc 360
tggcggcacc gcgaccccgga ctgcatacct ctttgagaag aaagggcgga tagtgtttga 420
gaaaaaagac ggtgtcagcg cggacgactg cttggagcag gccatagaag cgggaccacg 480
gatatacct cagatgaaga agggcgatt attgttttca ctgaaccaac ggcgactaag 540
aatgttggtg aaacactttc caagctagct ggtctaactg ttgaagagct tgaaattatt 600
tgggccccga accaggatac gctggtagaa ttgaaggacg aacaggtaca ggagattgag 660
gagatattag cttttctcag ggacgaagcc ggtgtccgtg acatatacct gaatacgact 720
caagctttat gactgtagca ttaggcttgg ta 752

<210> 20983
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 20983

cccgttctaa tatggaatgc aaatagatct acttcggccg cgcgcacggc gacaaccctg 60
tcaataacat tggcctctcc cgcaagcagc tcatcgaagg caccaaggcg tccctttcgc 120
gcctccagct cgactacgtc gacatcatct acgcgcaccg gcccgaccg ctgacgcca 180
tggaggaagt tgtgcggcg ttcaatttcg tcatcgagaa aggatgggct ttttactggg 240
gcacgtcgga gtggagtgcc gacgagatca gcgaggctgt ggggatcgca aagcgattag 300
gactcattgc gccgattgtc gaacagccgc tctataacat gctggatcgc gaaaagggtg 360
agggggagtt tgcgagactg tatgagcgtg ttgggctggg actcactgtc ttctcgccat 420
tgaagggcg cagactcagc ggaaagtata acgaagcgtt ggagcggccg ccgccgggga 480
gtaggtttgc cgagagcaag gacgtttact ctgtgggcat tcgcgagagg tggcagcagg 540
aagagggtgt tatcaagcag ctcaagaatg tcaagggtgc tgtccctttc actggcagat 600
gaacgcagga tagtgctgac aggatctgca ggccctagcc gacaagctcg gcgtgaagca 660
atcccatctg gctctggcgt ggtgcataaa gaacgagaac gtcagctcga tcatcactgg 720
cgctcaagg ccagagcaga tcgttgacaa tgctgagagt ctttaagggtgc tcccgtgct 780

gaagcccga atcatggctg agattgacaa ggcgcttggg aacaagcccg ccgttgcgcc 840
cgctcgcgtt 850

<210> 20984
<211> 458
<212> DNA
<213> Aspergillus nidulans

<400> 20984

tgaaaagctc aagagaacct cctggcgaag ggacttctgg aactccgaag gtcaattctc 60
ccacacttga taccacacgga ggaacaagac agtcaggctc gtcggcgccc attaaccctt 120
ttgaacagcc gagagaaccc tcagtaccac cagcaccag taatccattc cttgaacagc 180
caagagaacc ctcaccatca ccaccacagc ctccctacca agtccccgcc cctgcaacca 240
tccatataga aagcgctgct cccccacccc cggctaatat ccatatagaa gctccatcag 300
ctcagcctgc cccaaacatc cattatggag cgcctgcacc ccctgcaccc gttatcttcg 360
agactccggc accgcatgga acgtctaggg ctccaacccg tttgaatatg ccctggacct 420
tccatggtcg ctcttgcgcc agaacctgtg cctagaca 458

<210> 20985
<211> 696
<212> DNA
<213> Aspergillus nidulans

<400> 20985

atggcgggacg cccaatttga tagtgcgctg taagtccttc acttgaaaac tgtcttcgca 60
atataccccg cccattccaa acatgtctac cccaaaccaa ccccgctgc accctgcaca 120
ctccgctgac acggacgcca tggtcgcacc agcgacctcc tccggcgctt gaacccccgt 180
gacacaaagc agaacctcca ggcaattacc tctattgtgc ccgaccttac cgaagacctt 240
ctatcatccg tcgaccagcc gctcgagatc cgtcgatgtc ccaagacaaa gcgcgactac 300
ttactctgcy actataaccg cgacggcgac agctacagat cccctggag caatgagttt 360
gatcctcttc ttgacgatgg cacagtaccg agcgagcgag tgagaaggct ggaagttgcc 420
gcaaatagag cgtttgatgt ctatcgcgag ctgtactacg agggcggtgt tgggagtggt 480
tacttctggg atctggacga tgggtttgca ggtgttatac ttctgaaaaa ggggtcgctcg 540

ccaccttata gagtgggaac gaattggacg ttactaatgc attcatgcbt acaggcgtgt 600
 cccagggcgg aaagcactct ggtgaatggg atagcattca cgtcttcgag gcgactgacc 660
 gagaacgcac ggccctctat agctcacagc actggg 696

<210> 20986
 <211> 586
 <212> DNA
 <213> Aspergillus nidulans

<400> 20986

gggcctgacg agaatggcag accgcagggc cggcagcacc gagataagcg gcaacgcgaa 60
 cggagggcaa agagacaact acaccgacca ccccggcgca agagcgggat gagccccac 120
 ggcaggccaa accggcgga tgcgggagc gcacgagatc atagccgaga gcatcctgac 180
 ccgaccaggc gctgatggcc ggcggaagcg cacaacagtc cagcacccca actacacacg 240
 gcaagtggcg aggacgaagc ccacacaccc accaacagcc ggaagtgcc gaggcaccaa 300
 aaccaatgcc gaaacaaaca ctgacaaccc tagcccgggg acctcgacca acagaacaca 360
 caggcccagg acacggacca gccggaccaa acgccagcac ccctcgacc aacaaccgga 420
 gcaaggccac caaccaccac caacgagacg acccagacga ccggaccccc cccacagacc 480
 agagggaccc gccacgccc cctccacgcc ccggccagcc ggccggcaat cccacgtacc 540
 ccgcaaagcc accaccacc acgaacaaaa gagccacccc aggacc 586

<210> 20987
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20987

agctaaacta catgattttg cgactcatcg cgagaagcaa aatgtcgacc tgcgcaatgc 60
 cccagcccct cgcccacca tctggcatca tagtggttgg cacaggcttc gcgggcctct 120
 ccaccgcaac gcagttaaca acgcacaatg tcccggttat cctccttgag cgcgctgaac 180
 ggccggggcg gaatagcatc aaagcgtcat cagggattaa tgggtgctggg accaagtccc 240
 agactgttcc cgatagcgct gaggagtttt atgacgatac ggtgcgctca gccgggaaac 300
 cctttgcaac ggctgcaaat gtagagagag aacgaaggga aagactcatc cacactgtta 360

caaggaactc aaaggggtgca gtcgattggc tttctgacga aataggcgtg gacctaagca 420
 aagtcgcaca actgggtgga cacagcaaac cgcggacgca tcggggagag aaggggaaac 480
 cgcctggggc ggcaattatt gggtcattat tggacaaact aaagtccaat ccattcgtgg 540
 acatgcgtat gaaatcccg gtagaaaagg tgctgaagga ggccgaggaa gtcgtcggcg 600
 ttgagtacat cgatagcgac gagaagacc agagtctccg gggaccggtt atctttgcaa 660
 gtgggtggctt tgcaggcgac gtgcgcggca tggtcgcgca gtatcgccct gacctggctg 720
 ggttaccatc aacgaacgaa gcagggaagg ctgcgagcca ctctgcttg agtcgagcgg 780
 ggttgattga tatgaccaca ttcaaattat ccacgggctc ctgatgcaa aacacgttgc 840
 ggtgaaaagt 850

<210> 20988
 <211> 831
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20988
 aagcccgacg gcgaagagtt acgcactacc caccttttta ctctgtaagc gccggctcat 60
 ccggggctgg cataccgtgc gctggcaccg cgcaccggc ctgatccgt ccaatggcgc 120
 acttcctcta ctagcaagaa agaagtcgcc caacgtgaca ggcttgatt tgccctcccc 180
 aaggcggact acatcctcgg actcccaaca gggcagcatg ttgccctccg acaaccgtcg 240
 atggaaagac cgtccagcgc agttacacgc ccattctgaa caacaccgac cgcggcacat 300
 tgagcttctg ataaaggttt acccaaaggg cctcttgacc aaccacctag cgcagatgga 360
 ggtcggagag acgatcgaat tgccggggcc caagggcgcc atgaagtact ctgctcaata 420
 cgcctaccgg atcggcatga ttgccggcgg aacaggatca caccatgta ccagcttacc 480
 cgggcaatct gcgaagatga gtccgacaat acacaagtca gtctgctgta cgccaacaac 540
 ggcgaggctg atattctcct ccgtgaggag ctggaaagct ttgcggggcg tttccacac 600
 aagttcaaga tggagtatgt cctgagcttt cctgatgata actggaaggg atatagaggg 660
 ttcgtgaatg gggaaatgat cgcgaagcat attgggtcgc cggcggatga tgcaaaggta 720
 ttgctctgtg gaccaccgcc aatggtcgag gctatgaaga agacgctggc cggcatgggc 780
 tgggacatgc caggggcaat tgcaaacggg acagatcaag tgtttctttt t 831

<210> 20989
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20989

```
acgcaacgac cttcttccag cttggcggcg aagacgtgaa cgtctatggc gggggcactc 60
tcgacggcaa tggccaaatc tggtagcacc tgtacgctga ggacccgctt atcctgcgcc 120
ctattttgtt tggagtgatc ggctgcacg gcgggacaat tgggccgctg aagttgcgct 180
actcgccgca gtggtaccag cttgttgcca acagctcgga tgtgctcttc gacggcatcg 240
acatttccgg gtacagcaaa agcgagaacg aggcgaagaa cacggatggg tgggatacgt 300
accggtctaa gaatattgtt attcagaatt cggttatcaa caatggggat ggtatgtatt 360
ctacccttgt ccctgccata gaagaatgta tggcgggtgc tgatatgtta tgtacagact 420
gcgtctcctt caaaccgaac agtaccgaaa tacttgtcca gaacctgtac tgcaatggct 480
cgcacggtat ctccgttggc tcgctaggtc aatacattgg cgaggttgat atcgtcaaga 540
acgtgctcgt ctataacatc tctatgtata atgcttctgt atgcctcacc ttccatcaaa 600
ccctctacaa cgcgcagagt taatggaaca atgcaggata tggctcgcat caaggctctgg 660
ccgggcgctc catccgccat gtccgaggac cttcagggcg gaggcggtct cggatcagtc 720
tcaaatatca cctacgagga catgtacatt gagaacgtcg actgggcgat tgaaatcaca 780
cagtgtatg gccaaaagaa catgaccttg tgcaacgagt accccgtacg tttgcttacc 840
ttgtactgat 850
```

<210> 20990
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 20990

```
gtaacggtac cctcccgagt ttttcagtc aagacttttg caggatcatgt tttctcgcca 60
cgcggaagg cgggatgggc acgctggaa caagcatggc cttgactgtc cctgtgggcg 120
acactattcc aacaatctct gctggactcg aattaccac gtagcgggac ccgactcaac 180
caggatatcg gcgcggtacg tgccccgaa ctcgggcgtt tccgtctaaa tccaaggccc 240
```

aatatcgaaa ggcgtatgtc gtgtactcga acatcaagtt tggtcctatt ggaagtacct 300
 ttggcaacgg tggaggctca gggccaacaa caacggtgac gacgagtacc gctactagta 360
 caactagctc ggcgacgtcg acggctaccg gtcaggcgca gcactgggag cagtgtgggtg 420
 ggaatggctg gactgggtccg acggctctcg ctagccctcg ggcttgacaca gtggtgaact 480
 catggtactc gcagtgtctg 500

<210> 20991
 <211> 540
 <212> DNA
 <213> Aspergillus nidulans

<400> 20991

cactgaggtt tcttgctgg gacaagaatc tccacaagcc cctcatcctc cccttcgctg 60
 ctatcatttt gatcatcccc aaatggagat tgaccaatc' gagagctccg gaagctcttg 120
 tactgcccgg gccaagtgc tggataccct agtgactcat tgaggatggc atcttcctct 180
 tcatctgagt ccatcatgtg agagtccatt gatgggcca ccatttcgcc catatcgta 240
 tcgtcgtcat caacctcaag cggaactcgc tccttgcgcc gtctcgaacc accgaaatcg 300
 tccccctcat cagaagagcc ggtggagaat gagtctgaag ggctaaatcc agactcaggg 360
 aacgttgggtg acgaggcatt agcggcgggg aattccgatg aaggacctgc atttgattct 420
 tggccaccaa aggtatcaga cgccactga aactcgggtg agcgtgctt ctgctcttcg 480
 gtttcaccac cctcggcatt ttccggtgcc tgtttctgag ccgcaagtcg tgcagcgagt 540

<210> 20992
 <211> 406
 <212> DNA
 <213> Aspergillus nidulans

<400> 20992

cgaggtcatc cctcgcacgc tcgctgaatc cgccggtctc gaagctaccg aggtcctttc 60
 tcgtctttac actgctcatc accaggcaaa cgccggcgtg aagtctaccg acggtgatga 120
 tgacgacgag gaggaaagtg aagacagcga agaagagcgt agctccggcg gcggcgaagc 180
 agaggcttac tggaccactg gagttgacct tgagggttcc tcatcgtctg gtacgctgga 240
 taccgtggaa gagggatatc tcgatctgct ttctccaag agttgggcta ttcgtctagc 300

tagcgagtca gctcggacag ttctgagcgt cgaccagatc atcgttgctc gacaggccgg 360
 tgggccgaag cccccgggtc ctaaccctaa ctgggatgag gactag 406

<210> 20993
 <211> 576
 <212> DNA
 <213> Aspergillus nidulans

<400> 20993

cgttttcctc ttacgcacga ctggaacgag tggactcacg gccacacat gacagtgcc 60
 agctcgaagg atgatatact ctcggcgggtc gagaactggg gcccgcatat caaggaactt 120
 gccagcctct tcccgaaca gctaagcaag tacgccatct tcgatcaggc ggaccacccg 180
 cttccttact atgccgctgg ccgggtggcg ctggccggtg atgccgcgca cgctccagt 240
 ccgttccacg gggctggggc ctgtatgggc gttgaggacg cgcttggtct cgctgagttg 300
 cttgagaagg tccagaacgg ctccgcgttc aaggagaaga agtctaata tgagcttgcc 360
 ctgaagactt acagcgatgt gaggattgag cgtagccagt ggcttggtgaa gagctcaagg 420
 gagatgggag atctctacga atggcggtat gaagacattg ggggtgacgg ggtaaagtgt 480
 aaggctgaat gggagaggag gagcaggggtg atttgggatt tcgatgtgca gggcatggtc 540
 gaccaggcga gagaagcgta tgagcgtgct gtagtg 576

<210> 20994
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 20994

atcccgggta tcaccacacc catattactc aatcgccatt ttctcagtac cgcacaatgt 60
 cctccttaat gcaccgacgc ccaggagggg gcctgttctc cctcatgcga gcgctagacg 120
 atttcgactc ctccctggcc aaccggctct tcgacaatca gttcacagcc tacgcaccac 180
 gcttcgattt acgtgaaaca aaggacagct accatctgga cggcgagctt cctggagtgg 240
 aaaagaaaga ccttgaaatc gagttccctg atcgaaacac tctgaacatc aagggccaca 300
 gtgagtcttc gtcttctaaa gaaggtaacg agggcacttg gtggtatgtc gagcgttcga 360
 cgggagattt ccgacgctcg ttcaactttc ctactccggt tgattgcgac catgttgatg 420

caagtctgaa gaatggcggt ctctccatta agattccgaa gtctgagggg gtcctactg 480
gaaagcgcat cgatatcaag 500

<210> 20995
<211> 748
<212> DNA
<213> Aspergillus nidulans

<400> 20995

aacctccacc taatacaggg ctgctcacc tcctccaaca gagattcgag ctctttggcg 60
atcaagtagc ggtcgaacaa gggaaccgag ttgtgacttt tcaggagctg tatctcagcg 120
cggtgagagg ggcacataag attcagaggc agatcgatac gaatgtgcga gagecgaccga 180
agagatctat accgattccg attcttgagg ctgagggat agaccatatt atctgtcaaa 240
tagcagcggg ttttgctggc ggcagctgtg ttccgctgga tgttgacctt cctgaagagc 300
gcctgggtga actcatcaac aaccttgagg aagattcgct gctgttagca gattatcaga 360
accggaaccg ctgtctatct acgcgtatcc cgcgcatcgt gattgacttc tcctcgagc 420
aggttgttga ccgagaagtc gaacacgaac agctacaagt tgccacaaat ggtccggcct 480
cgtgttccca catttatcac acatccgggt caacggggat gcccaaggcc gttcagggtc 540
tggtcgggg gctaattaat ctacggttca acgagttcca gccactgcga cgaggccaac 600
ggcttgggca tgtctgcaac attgggttcg acgtgtcaat gtgggagata tgggctggaa 660
tcttgacagg cgcaacgata gtgggtcttg agagagacga gatcctagat gcgttcctca 720
tgcagcagaa gctccgcgag gctagggg 748

<210> 20996
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 20996

agaagagctg gcattccagt tgacattggt gggggacatc tattgtgcct ttataggcgg 60
tctctatgcc agagatgcag atgttgctcc aatgtacggg cgcgcaaaga agtttgccgg 120
gcgtatgggg agtatatggc ggtttgcctt ggaccttacc taccggtccg tgcgtacac 180
aacaggccat gaattcaatc gcggaatttt caaaaccttt ggcgatagcc aaattgagga 240

tttctggttg gagttctatt gtaatactac caatattagc cgctccaggg ctgagtatca 300
 ctctccggc tatgtctggc gttatgtgcg cgcataatg tcaactggcag gtctactccc 360
 gccatttgc gacgaaggga gcatgcttct cgacggcggc tacattgata acctcacggc 420
 agcccatatg aagacgctcg gcgcagacgt cattttcgca atcgacgtgg gctccatcga 480
 cgacaatacc cctcagggtc acggtgattc cttgtcaggc atgtggtcag tcatcaatcg 540
 ctggaacccg ttctcttcca tcccaaatcc accaacttta tccgagattc aagcacgact 600
 ggcctatgtc tcgtccatcg acaatcttga acgggccaaag aatatccccg gctgtctcta 660
 catgcgcccg ccaatcgacc gctacgggac cttgaattc ggcaattttg atgaaattta 720
 ccaggttga tatgcctatg gtaaggagta cttgcaaaag ttgaagagcc aagggtctct 780
 acctcttccc gaggaaaatg aagagaagaa gaagcttcag cgtaccctgg ctctcggcg 840
 tgccagtatc 850

<210> 20997
 <211> 684
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 20997

caacatgacc tgggtgatgg ttggcgacgc ttgtttgcag gagggcgctc gtcttgaagc 60
 tctgtctctg gctgggcact ggcggtcaa caacctttgt gtgatctttg acaacaataa 120
 tgtaacctgc gatggaacgg cagatgttgc caatacggaa gacatcaaca ccaagatgcg 180
 cgcgacaggc ttcaaggtga ttgacgtgta tgacggggat tcggacgttg ttggtatgct 240
 tcatcctgtc ttctcaagtg atcatcactg acgaagaaac cgtagccatc accaatgcgc 300
 tcctcgctgc tcgtcctcc accaagccaa ctttcatcaa cattcgcacc accatcggcg 360
 taggctcaa gcaagccggc acggccgatg cgcacggcgc cgccctgggc gtcgacgaag 420
 tcgcaaaaat caagcgcgcc tttggcctga accctgagga aacttccac atcccccaag 480
 acgtttacga cttcttcagc gatctaccat cgcgcgggaa gacctatgag gcagaatggc 540
 acgcggtgtg tgccgcatc cggaagctg agcccggtgt cgcctctgaa tttgacctcc 600
 gtgtcgcagg aaaaacgcca gcagactgga caaagtgtat ccacaaaagg aggcgaaggc 660
 ggccaggctg gcgggctggc aggc 684

<210> 20998
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 20998

```
tgtcttgggt aggccggcat cccctggct tacatattcg ccgaaacca ggaagagcgc 60
gctaaattcg ccgaggagtt caaacccatt gcagagaagc acaggggccc tatcaacata 120
gccacaattg acgccaaggc ttttgggtgcc catgccggaa acctcaacct tgaccccaag 180
acgttccctg cctttgccat ccaggatccc gcgaagaacg cgaagtacct gtatgaccag 240
accaaggaac tttcggctaa ggatgtcagc aagttcattc aagatgtcct agagggcaag 300
gttgaacca gcatcaagtc tgaaccctg cctgaaactc aagagggccc tgtcacagtc 360
gtcgtggccc actcatataa ggatcttggt atcgagaacg acaaggatgt ccttcttgaa 420
ttctacgcac catggtgtgg acattgcaag gcgtaagttt tgcccctctg tgcttgaaa 480
atttgctgac aatacttggg atagtcttgc cccaaatat gatgaattgg ccgagttgta 540
tgccaagagc aaagatttcg catctaaggt cactattgca aagatcgacg cgacggccaa 600
cgatgtccct gactctatta ccggttttcc gaccatcaaa ttattccctg caggcgccaa 660
agacgcacct gttgaatatt cgggttctcg taccgtggag gatctcgcaa atttcgttaa 720
agagaacggc aaatacgggtg tcgatgcttt cgccgctcag gccgaggagg ccgaagaagt 780
tgccgaagat gccactgaga ccgccagcga cgctgagccc tctgctgaaa agcctgagca 840
tgacgagctt 850
```

<210> 20999
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 20999

```
tatcgaaaat ttaagccagt caagttcacg ttcaattaat caacatcacc aaaatgcctc 60
agtctaacc ccaacctttg atctcgacc tctacacagc cgacctctca gccacgtct 120
tcaacaaaa gctctacatc taccctccc atgaccgca atcttccatc ctttcaacg 180
acaatggcga ccaatacgac atggccgatt atcacgtttt ctccatcgac actctagctc 240
```

ccctcacctc tacctccaca gagaatgtga aagtggaggt caaagaccac ggccccgtcc 300
 tgaaaactga gcaggttcct tgggcttcga agcaactctg ggccccctgat gcggcgaggc 360
 ggaatgggaa gtattatctg tatttccccg cacgggacca tgaaggggtg tttcgtattg 420
 gggtcgcggt tgggaatgcg cccgacgggc cttttgttgc ggaggagact tggttgaagg 480
 ggacttttag tgttgatccg 500

<210> 21000
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21000

cagagcgcag cacgagctaa agctacgca tccttcttgg tgtctcagcg aaaagctcta 60
 ttaaaagaga gcgagtctgt gctcgagctt caatcaattg ctcggtggtgc cattctgagg 120
 aaaagactag aagaagatgc cgcgttggtg caacaagaga aagctgctat catcgatcta 180
 cagtcgctcg cccgggcagc tgtgctacgt attcaggttg gtgatgtcct ggagcagctg 240
 gatgattgtg acgacgagat cagcgaatta caagcgcata tcagagccat gattgtgcga 300
 gtcgatgtcg gtcagacatt ggctgatcta gcggctgaag aagacatcat tgcggaattc 360
 cagtcctata tcagaggcca cctagtagcg acaaggttcg aggaaaaacg tcgctactac 420
 caggagaaca tggagaaagt ggttaaggcg caaagtttca tacggggtag aatccaaggc 480
 caagcgtaca agagtcttac aagcgggaag aacctcctg tgggaaccgt gaaaggcttt 540
 gtacaccttc tcaatgacag cgaattcgat tttgatgaag aaatcgagtc cgagcgagcg 600
 cgaaagttag tggtcgagca ggttcggcag aacgagctcg ctgagcagta cattagtcaa 660
 ctggatatca agattgctct tctggtgaag aacaagatca cattagatga ggttggttaa 720
 caccagaggc actttggtgg ccatgtaggg aatctccttt ctaacacgga gatttcctcc 780
 aaggacccgt ttgacctgaa agctctgaac aaaacttcga ggagaaagtt agagcactat 840
 caagttttct 850

<210> 21001
 <211> 549
 <212> DNA
 <213> Aspergillus nidulans

<400> 21001

tcatgatggc attggttgac cttttcgagc atgatctgat ggatgcgcgg gtatcgatat 60
ggcgcacacg ctttgtggat cttgccaacg cccttgtgga cgccgtggac tcaacttctg 120
gcgcctggtg gcaggtcacg tctgcgcctg ggcaggaagg caactatatac gagtcaagtg 180
ggtctgcaat gtttgtctat gctttataca aggggtgtgag gggttggtatt ctacctgcgc 240
cagaaaaagg cggggaggct tatatcgaag tcgcggagag ggcctacagc gagcttgtaa 300
agcgattcat tgttgagaac gaggacggca cgcttagtta taatggaacc gtgggtgtct 360
gcagcttgaa ctcaacggcg acgtatgacg tacgtttgca aattgactga acattatttt 420
gtgaggcgct gactgagtga gctacagtac tatatccacc aaccgcttgt ctacgacagc 480
gtcttgggct ctgcggcttt tattcgcgcc agtacagagc acgagttgca ccttgaagct 540
tctttgaat 549

<210> 21002

<211> 813

<212> DNA

<213> Aspergillus nidulans

<400> 21002

atgagccata ttcaacggga aacgtcttgc tcgaggccgc gattaaattc caacatggat 60
gctgatttat atgggtataa atgggctcgc gataatgtcg ggcaatcagg tgcgacaatc 120
tatcgattgt atgggaagcc cgatgcgcca gagttgtttc tgaaacatgg caaaggtagc 180
gttgccaatg atgttacaga tgagatggtc agactaaact ggctgacgga atttatgcct 240
cttccgacca tcaagcattt tatccgtact cctgatgatg catggttact caccactgcg 300
atccccggga aaacagcatt ccagggtatta gaagaatatac ctgattcagg tgaaaatatt 360
gttgatgcgc tggcagtgtt cctgcgcggg ttgcattcga ttctgtttg taattgtcct 420
tttaacagcg atcgcgtatt tcgtctcgct caggcgcaat cacgaatgaa taacggtttg 480
gttgatgcga gtgattttga tgacgagcgt aatggctggc ctggtgaaca agtctggaaa 540
gaaatgcata agcttttgcc attctcaccg gattcagtcg tcaactcatgg tgattttctca 600
cttgataacc ttatttttga cgaggggaaa ttaataggtt gtattgatgt tggacgagtc 660
ggaatcgag accgatacca ggatcttgcc atcctatgga actgcctcgg tgagttttct 720

ccttcattac agaaacggct ttttcaaaaa tatggtattg ataatcctga tatgaataaa 780
 ttgcagtttc atttgatgct cgatgagttt ttc 813

<210> 21003
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21003

gtctttcact cttcaccac cccccaactc ctccttcgcg cggcaccgct agctgcgct 60
 cctgccgcca ttccggtttc cccatttgc ctggcgcca tgacttcggc accgcgaata 120
 gtgggacgta cgggcactgc aaaaaagacg acgcattcgg tatgctcgac gccttctaca 180
 gcaaaggcgg gaacttcacg gatacggcca tcgtctactg acaaggccag tcggaggaat 240
 ggcttggcga gtggataaaa gcccgtcaga accgggacga gatcgtgctg gcggcgaaat 300
 actcgtcacc atggcagacg cagcactcaa attgcagtga aatatggggg taacaatgtc 360
 aagtcgatga agttggcggt agaggcgta ttgaagcgtg tgaggacgaa ctatgtggac 420
 ctctattacg ttcactggtg ggattattcg acgagtatac cggagctcat gcacgccttg 480
 aatgatattg tcagctcggg caaggctttg tagggcatat cggatacccc agcctggggt 540
 gtctccaagg cgaacgagta cgcgaggcag aaaggaccgc ggcaattcgt ggtgtaccag 600
 gggatgtgga atgcgacgat gcgcgacttt gagcgcgata tcatccccat gtgccgagag 660
 gaaggaatgg gtctctgccc ttatggagtc cttaaccaag gccgcttcca gacagaagag 720
 ggtttccgga gcgtgaaaaa cacaacgagg ggcggaattt aattgcgacc tcgcaacgtg 780
 acaaagatgt ctcgcgggcc cttgagaaga tcgcgaagag aaaaaagggtt gaccttctcc 840
 catgttgcct 850

<210> 21004
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 21004

gtcagagacc atgattatca taccgtcgag gatatcatac ccaccaccgt tcttacggat 60
 cttgatacaa gccctggaga ttccgtgcgt atttgtctcg atcttattga agacgatgat 120

gatatacgtg gtctttattg tggccacgcc tttaacgcct catgtgttga cccatggctg 180
acaagtcgaa gagcctcctg cccgctgtgc aaggcagatt attatacacc caagcctcgt 240
cctgacgctt ccgacttacc atctacttct ggtcgtcgcg ccgcaagccc aaatcatccc 300
caagctgttt tgatcagggg ccgggttaac ccatttcgag cacagacact atatggacag 360
gcctcacaga gtgctccaga caccgtttcc ggaacttctc gcccaatagg ccacagatta 420
tgggccgtac ggaccactcc aacgatcgaa gagggtcgat cgagaaatga tacctccatc 480
ccgcgactgt cgtcttggtt 500

<210> 21005
<211> 590
<212> DNA
<213> *Aspergillus nidulans*
<223> unsure at all n locations
<400> 21005

cacacaaana cacgagggga caagagaaac aaccgggaat aataacaccc cgggccgcag 60
accgacgggg ggggggcaca aaagacgggg cggccgcgca caacaaaagg gagaacgaaa 120
caaaagaggc gacggacagc gcgagcacga aagccacgaa aggagcagaa gggggaaaag 180
ccacacggcg cggcacaggc cgacaaaaca gccacgagca aggagcggaa ggagccgaca 240
cggagaaaaa cggagccagc gcagaaacag gcggacgaac agaaagagaa agaacggcgc 300
cacgagaaga accagaaaca gcagcagacg gaggaagcgc caacagcagc gagaaaaaca 360
gacggaggag aacgggcgga gccagaacaa gaaaggccaa aacaagaaga acgagcgagg 420
gcgccaaacc cagaacaccg aggggaggaa aaagacaagg aagcacagac caccctaaag 480
aagcgaggcg gaagaacaaa acggcccaaa aacgacaaca ccgaacgaaa aacgaacaca 540
cagaaacgac gggacaacac caggaaggaa gagcaaaacc aggggaccga 590

<210> 21006
<211> 850
<212> DNA
<213> *Aspergillus nidulans*
<400> 21006

taccggagac gccatgttct ccaatcgagt gtcgcacttc tttgacttgc gagggcccag 60
tactactctg gacactggct gttctggagg cctgggttgca cttcacgagg gagttaagag 120

cctgcgacc ggagagtccg acatggcgct gatctctggc gtgagtgtct tgctcaatcc 180
ggatttcttc aaagccatgg ggtctgttgg gtaagtaata tcttggtacc ttccaggagg 240
gcctgactga cgaaggaagg ttcttttcac ctgacggtaa gtcgtatgcg ttcgactcgc 300
gggccaacgg atatggccga ggagaaggca ttgcaacaat agttatcaag cgtctgtcag 360
acgcgatcat cgccggggac cccatcagag ccatcgtgcg tgaatcaggg ttgaaccaag 420
acggcaagac cgaaacaatc accacgccta gcgaggaggc gcaggttgcc ttgatgcgag 480
actgctaccg tcgcgcgggg ctggattatg cggacactca gtatcttgag gcccatggga 540
cagggacgtc gacgggtgac ccgatcgaat gccgtgcgat tgctaccgtg ttcaaggaca 600
gtcggtcac tgaacaaccg ctgcgcattg gttctgtgaa gacgaatgtt ggccacacag 660
aggcggccag cgggctcgcg agtctcataa aagtggttat ggcgctcgag aaaggcaaga 720
tccctcccag tatcaacttt gagaagccga atccgaagat tgcgctggat gaatggaatc 780
tacgcgtggt gactacgttg gaggattgga ctgcagggcc tggaggtgtc cgccgcgcgt 840
ccatcaacaa 850

<210> 21007
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 21007

agtatgacga gccggatcgc acttttcccc agctcctaag gaagaatctc atccggccat 60
tccgaatgct gttcactcag cccgccatcc aggcaatcgc actttaccga gggatatcaat 120
acgggctgat gtatctagtg gtacgttccc tgaggcaatg aaaacaaagg tatatcgcta 180
actaatcag acttgcttct ttcccaactg tctgggaggg gaggtacgat caagaaaaag 240
gaatcgccag cttgaactac ctctcccttg gagtcggggt cgttcttgga ctgcagttct 300
gcggccgggt cattgactat gtaagctcac cctagaaatg cgcacccct tttcagcctc 360
ccggttactc agacactgat cgtcgctgt tctgcccag gtttacgagc gtctctccaa 420
atactacggc gataccgggc gtcccagta ccgcgtacct ttgatgatcc ctggaggtct 480
gatagtccca atcggcctct tcgtctacgg ttggacagca gagtacaaa cacttggtat 540
cgtccccaac attggggctg cattattcgc gattgggctc atcgtctgct tccagtgtgt 600

tcagacttat gtgatcgacg cctacactcg gtacgcagca agtgccacgg gcgtcacggc 660
gtttgttcgg acgatggcgg gcttcggctt cccctctttt gcagatgggc tgtaccgggc 720
attaggactg ggatggggca atagcctctt gggttttgtg agcctgggca tgggcctcgt 780
ggctccagtg ctactttggt tctggggaga gtggatgcgg gccaaagagcc cctactgtgc 840
tggaacacgag 850

<210> 21008
<211> 363
<212> DNA
<213> Aspergillus nidulans

<400> 21008

cattatcttt taggaatgag tetaacaact agcaaaaagg ccctagctct gatgtcttac 60
ccctccaaca ttccctctc cctctctgaa ctccacgcc tctcctcaga catactccac 120
ctagctggcg actcctcggc cgacgcattc tggtagacga aacgtctctc cgtcagcgct 180
atttacgcat ccgcggaagt aataatgacc cgggactcga gccccgatct ctcggaaca 240
gagcggttcg ttacgcggcg ggttgaggat agcaaggcca ttggggacaa acttagtggt 300
gcgaagcaat gccttggttt catggggctc acggctgttg ggctgggaag gagttggggg 360
ttg 363

<210> 21009
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21009

gaagacgcga agaacgagaa cgcgaggatg aacatcttga cgaggaagac ttggaactga 60
ttggcgagct gaatccaggg ctccagtatg cggctgcagc agacgtatgg ttccctcgat 120
ccactgtcgg taggaagaaa tactaacagg ccgcagtcaa aattcaagcg cctaaaacgc 180
ggtcacaagg atcgagattc gcggcaacca tctcaggcta ttaatgactt tttcaattct 240
gacgaggaag atgagcctgc accagactac ggcaggcacc gaaggcacc cggcgacgag 300
atggatgatt tcatcgaaga agatgtattc tcggatgatg aattacaaag ggaacgggaa 360
gatctggagg tagcccgctc tagaaagacg atcggctttg gagccacaga caccactggc 420

ctcgacgaga atgcgcttga agacatgcgc gccgcttttg gagatggaaa cgaatacgat 480
 tttgctcttg ctatggagga ggaagaggag cagcaggagg aagacgtgga aaagcacttg 540
 gatctgaagg acgtctttga gccgtcgag ctcgccgaga agatgttgac cgaagaggac 600
 aaccaaatac gtcttataga cgagcctgaa cggcatcaaa tcgcccgcaa gccctaccgc 660
 aatgttgtct tgagcgaaga tcaattccgt gaagaagccg cttggattgc gaacctcatg 720
 cttctaaaga aacggcttga gccagagctg cgtgaacctt tccagcggtc agtggccaag 780
 gttctagagt tcctcgtcac tgatgactgg gaggtgccgt tcatcttcca gcaccgaaag 840
 gactacatga 850

<210> 21010
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21010
 ttgaagggac tttaatctca agcagaactc cgcaaccaca ggcataggct atccctgcgt 60
 caggaagagg tattggtagc atggatagta ttacttgata tatgtggagc accccccagg 120
 cacttccaag tacaagatat ggcacaaatt atcctggaag ctgattcctc tccccccct 180
 caactggctc gaaagaactg gggttacagag ttaccaagc gccgcccaga gattaaagc 240
 aggtttgctt gaaagataaa tcgcccaga gctctttgtg aagattctaa agttattggt 300
 aaatagtttg ctgagttgca gaggggttaa gctcagtagg ggatccagga tgaagatatc 360
 tacaactttg atgaaactgg ctttgctata ggacttattg caacaacaaa ggtggttact 420
 agagctgaaa tgccctggtaa accatggctt attcaaccag ggaacaggga gtgggttaca 480
 actattaaat gtgtcaactc tatgggggtg tggtcagttc cctccactat tatcttcaag 540
 ggaaaggctt atatagagg atggtttgac aaagaagcaa tcccaggcac ttggaggatt 600
 gaaacaagca ccaatggatg gacctcagat gagatcaggc ttcgctggct tcaaaaagtc 660
 tttattocag ctacatacag ctgttctagg ggggggtatc gactccttgt tctggatggc 720
 catggaagcc acctaacacc tgaatttgat cgtacatgca aggagaataa tgttgtgaaa 780
 tatctgcatg ccttcacatt catctcacct cttgcaacct cttgatgttg gttgttttgg 840
 atcccttgaa 850

<210> 21011
 <211> 660
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21011

```
ccggtcgact cggccgcggc cagtaagatc ctagtcgcgc aattatttct tctttcaccc 60
attgttttct tctgttggca cgctaggacg gcaactcaatc tagaatcgtg gtccacaggg 120
ctgaggaacg atcggagact aaaagcgtcg acgatcagaa atggattgag tagtacggag 180
gacgggcttg aacttaatcc tcgaccttcc ttgaggagcc cgtcccttgc ccacatcctc 240
gactctcgag gcctcggcgc tgatttggtc acaagtggct ggtgcttatt gtgcaacaag 300
cgggagactg cagtcgcgcg gcgagagtcg ctctcgcccc tccccgtccc cgagtcctcc 360
ccggcgtact tcagaactcg cagcagagac gcaaaagtac ggcagccttc ttcctcagcg 420
atcggcgggtg tccactgtct ggtatggacg aatcaaggct cgaacggact aagactcttg 480
gccggcaatc atggctggaa tagagtaagc aggatcatta tagtgtggtt gtctgctgcc 540
gggctctcga tgcacatcat cagggcttat ttgttagtct tgctcaggat tcggccaatc 600
aagcatccat tgtgttgttt gactgagctg cttaggaagt cgaggctcag aagccgcgac 660
```

<210> 21012
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21012

```
aactcgcac cgaaggctg tctttttgat ggttcccggc ctggagctgg gaatgttaa 60
tggaaggatt ccgctggacg ggtcagaggt gaaagagggt aaggagcag acgcagaaga 120
cggtagcgaa aatacaagga ccgctgaatt tgctagatgg aaagaaggac ttccgccgca 180
ggaccggtct cacttcttca gccttcgtcc gctatcgcgc gacaatgttc ccgagcctct 240
tcagccatta gccgacgtgt ttccccatgc ctggccggtc cgggctccag gggactccaa 300
atataacaag gttcactcgc ctctgcaagc tgttctcttg acatccgtgc ccaaagaaaa 360
ggagaagaag acaaaaggcc cgaagccgcc tcgggtggac aagaactata cttccaagcg 420
aacgcctatc acggcggttc tcagtggagc tgatgagctt cgcgagaatg attatcctct 480
```

acatcccgcct ctttgcgcct ctgaggacga aaaattggcc ctgaaaaatg cccgcaaacg 540
 tgctgggtcaa tctgcggagg atggatgggt ggatacccat gtagaaagcc tcgaagaagg 600
 caacgttcct gaagccgaga ttcagcaagg tagcatgacg gcaggacgtg atgttctcgc 660
 tttagactgc gagatgtgta taaccgaagg cggtagtcca gaactcaccg gcatcagctt 720
 ggtccgctgg gatggggagg tgggtgctga cgagctcgta aagccaagac tgccagttat 780
 cgactaccta acacgattct cagggatcac caaggagatg ttagaccccg ttacgactac 840
 ttgagagatc 850

<210> 21013
 <211> 537
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21013
 tactcgatac cgacgacctc gatcaggact gtcacgcctt attacatcta ccgcagcatc 60
 ttccctggcg acaatagcaa ggacatcaca tgggaggagt ttaggagcaa atttttggat 120
 aagggacttg tggagagatt gaccgttacc aacagaacta gggttcgtgt cgaactgaac 180
 cgtgatgcgg tggctcgaa gtaccctgat tcacctgcag cttcaccaaa cttctactac 240
 tatttctactg tcggatccgt tgagagtttc gagcgaaaac tcgaccaagc ccaatttgag 300
 ctccggcattc caacttccga gcgtatcccc gtttcctatg ttgatgaagt cccatggatg 360
 gctaccgtgc tgtcctttgg ccctacactc ctcttcatgg gtgggtttatt ctatctttcg 420
 agacgtgccg gcagagcttc accaggtaga aacggcatat ttggaattgg caaaaaccgt 480
 gctaggcgct tcaacatga aacgggatgtc aagatcacgt tgtgttatgt tgctgaa 537

<210> 21014
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21014
 tcgttgggtt gctgggtatt agtttctatg aataccgctt cgcaaaggac ccgatcattc 60
 cacctaagat cttccaaaac cgcacagcag cagtctcatt tgccggctcg ttcttccaag 120
 gtctcggttct ctgggtgtct ctctattacc agccgctcta ttacgaggca gtgaaggggt 180

actccccat catggcgggt gtcgctctgt tcccggcgac gttcacggtt gcgccagcg 240
 cgggcctggt cggggtccta gtaacgaaat acggtcacta ccgctgggca gtctggcttg 300
 gctgggttct gtcaacattc ggccctcggtc tcctttgcta tatggatgtt gacacttcca 360
 tcccagcttt catcttcata aatatcggtc ccggcatcgg tctgggcctt ctcttcccct 420
 ccatcggttt cgcaatccaa gcctccgcca cgaatgacac gctcgccatc gcagtcggca 480
 tgttcagctt cttccgcgca atgggccaag ccgtcgggtg cgccattggg atgtggctct 540
 ccagaaccaa atgtactcta accttgttga gtctgggatt ccagcccttg cgtccatggc 600
 ctcgagtagc tcgcaagatg ccgctggact ggtggaagtc atcaagcgca tgccggacgg 660
 gacggagaaa ttaggtctcc ggacagcgta cacagactct ctaaggattg tgtatgcggt 720
 ttgttgtggc atttgtggga ttgcgctggc cgttagtgtg ttgacgcaga gttatgattt 780
 gaaccgtgcy ttggaaacga cgcagggact caggaaggag aaaaacccaa ggccgaatgg 840
 ggatcttgag 850

<210> 21015
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21015

tgatgctgaa tctggttact gactgcaatg tttctgtagt aagaagcacc aaaagcgcct 60
 cagtgcgccc tcgcactggc tcctggacaa aatgtccgga acctatgctc ccaaggcctc 120
 ccccggtcct cacaagctcc gtgactgcct gccctaatac gtcttcatcc gcaaccggta 180
 cgaacatgaa aatgcctctg cgtgatatgc tcaataagaa ctgaaggctg acgtttctgg 240
 ttgattcgta gtcttaagta cgctcttaac ggccgcgaga ccaaggcgat catgatgcag 300
 cgtctcatcc aggtcgacgg caaggctcgc actgaccgga cctaccctgc cggtttcatg 360
 gatgtcatca ccatcgagaa gactggcgag aacttccgtc tcatctacga caccaagggc 420
 cgcttcaaag accaccgat tcaggctgag gaggccgagt acaagctctg caagggcaag 480
 aaggtgcaac aaggcaaggg 500

<210> 21016
 <211> 850

<212> DNA
 <213> Aspergillus nidulans

<400> 21016

```

ttcaggcagg atgttataga gggggtcgac ttcgtggtcg tgagggaaaa ttgtggaggg 60
gcatactttg ggaagaaggg tgaagaagac cattatgggtt cgttcttacc tatacttacg 120
gtgacttgag tggtttatat attgatgaat accgcaatgg acgaatgggg ctactcagcc 180
ttcgaaaaac agcggattac ttgaactctc ggcgagctc gcgctgcgac acgatacctc 240
ctggcctgtg atctctctcg acaaagccaa cgtgctggcc tcgtcgcgtc tctggcgccg 300
ggttgtcgaa aagaccatga gcgaggaata cccgcagggtg aagcttgtcc accagcttgc 360
tgattcggcg tccttaatca tggccacgaa cccgcgcgct ctgaacggcg tcatcttggc 420
ggacaatacc tttggcgata tggatatcca ccaggcaggc tctctggtcg gaacgctggg 480
tgtcctgcct agcgcgagct tggatgggtt acccaagccg ggagagcaga ggaaggtaca 540
tggtctctat gagccgacgc atgggtctgc cccgacgtag gtcattccca acccactact 600
atcccttcac tcgttgetca ccataatgta tgatagaatt gccgtaaga acatcgccaa 660
cccgacagcg atgatacctc gcgttgcgct gatgttccgg tactcgttca acatggaggg 720
cgaggcgagg cagattgagg ctgcagtacg cactgttctc gataaggga ttcgaacatc 780
tgatcttgga ggttcgacgg gaactagaga gtttggcgat gcggttgttg cggcggtgaa 840
gggagagctc 850

```

<210> 21017
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
 <400> 21017

```

gccgtttcga ccgtgaagtc gacattggca ttctgaccc taccggccgt cttgaaattc 60
tttcgatcca caccaagaac atgaagcttg gagaggatgt cgacttagag accatcgctg 120
ctgagactca tggttacgtc ggttccgac ttgcttcgct ctggtccgag gctgccatgc 180
agcagatccg tgaaaagatg gatctgatcg atctcgacga agataccatt gatgggaagg 240
tctggactca ctggtgttac catgagaacn tccgtaatgc ccttggcggt tccaaccctt 300

```

ctgctctccg caggggttgcc gttgcgaggt ccccaatggt cgctggaagg atattgggtgg 360
 tttggagaag gtcaagcgcg aacttatcga gagcggtccag taccctgtcg atcatcccga 420
 gaagttccag aagttcggtc tgtcaccttc tcgcggtggt ttgttctatg gtctctctgg 480
 tactggtaag accatgcttg caaaggccgt cgccaacgag tgcgcgcgcaa acttcatatc 540
 cgtaagggc cctgaattgc tgagcatgtg gtttggtgag tctgagagca acattcgtga 600
 cattttcgac aaggtcgtg ctgctgctcc ctgtgttggt ttctctgatg aactggactc 660
 catcgccaaa tctcgtggcg gctccgtcgg agatgctggg ggtgcttccg accgtgtcgt 720
 caaccagctt ctgactggta agttatatta attcgtccta tcttatcgaa gataaattaa 780
 cataagttca gaaatggacg gaatgacctc gaagaagaac gttttcgtcg ttgggtccng 840
 acagacctac 850

<210> 21018
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21018

acattgcaac taggcgtcgc ggagactcgt cgggcgttcg ttttactttt atcatttatg 60
 agaaccagcg tcgttggtcta ggtatcgggt ggacgtactc tttatttccg tcggaacgcg 120
 ctgctgggac ggatgagcat ctgaatcctg ttccttcgaa gaacgagttc gagcttcccg 180
 aggtgcaaag cggaatgca aagtggcggt gggttgaggg cagcgaatgg cacattgatg 240
 gagctgatga cgatgtgtct gactccaagg cttctgatgg gggcggttgg atatactatg 300
 ataataaggt atgtactcaa catcacacc attcatccg ctctaacat atctgcagtg 360
 gaacgacgga cgtcgcggtc tatacggatg ggaccgttac actcgccgca gaaagtgggtg 420
 tcgggatgcc gaactcgcgg agatcacacc acacggcaag cccctagatg caccatccgc 480
 cttgaccag gccttggcgc aagacatcca gcagagcaaa acgggaaaac ccgatgcca 540
 tgccgatgct tcaacagtgg acgtgatc cgtgagtctc gccccgtcca caacctctag 600
 caaagcccg cgccgacgtt ggttcggcag ttcctcaaac tcgaaaagt taagcgacag 660
 caaaaacagc agcagcacat ctactccacc agccacaaat aacaatgact ccgaaagccc 720
 tggaaatgcg aaaataacct cttcttctgc cactagtact agtcacaacc gcagcaactc 780

ctcgttaagg agcgtctctt caagaccggt gagcatctcc aggtctcgga gactgtccgg 840
tctctctggg 850

<210> 21019
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21019

aggctcatag aactttctgc atcatccatg acaaaccagt cacgcttcgg ccctggataa 60
atcttccaag ggtaccgagt cttcttgacg aaaaggaaca tgtgaccgca atccctggat 120
ttgtgcgtct ggtgactcaa tttcgggggt tggacgttga tttgtccggt tgttgacag 180
cggcgggatt tggtacacct atctctcgaa gtctgagtca tggaacggga gttaccaccg 240
ctactaccga tgcatacaaga atagcagcag gttacgagta tgacgacacg ggtctcgaaa 300
cagaggcatg gatacccttg cagcaacttg acctcgccat cacgagagag tggctgcgcg 360
cagagatgtg gaaactggga acccccggtc accagcagtc ttcattctccg agagagtttg 420
tggcggcgct tgtaaaagaa gggggacaat ggcggctgga ggagccattg cttataggca 480
aggctacact gggcatttta cagagtatgg aagaaattct gcaagataac tggagtgcga 540
tcatggtttg tcaactggga tagcccatc aggagacatg gccatgaggc tgacggatgt 600
aggacgagaa gctgtacgac atctgcgagt gcctgtgcga catccggccg gtcatacaga 660
caagacaaaa tggagttaga gatgtcgagg tcgagatcaa tctcgatcaa attctgcgag 720
ggcttctgga ctgtttggca aggcttagag ggcgtagtgc ttacttgctg gcgtcgcgtc 780
tcggagatta atgtccaatc ttgggagcaa aaacagatcc ctatagtagt cgtattatcg 840
gcccgaagtc 850

<210> 21020
<211> 528
<212> DNA
<213> Aspergillus nidulans

<400> 21020

agtggatacg cacgcgcctt tattgcccgg ggatggggag taagcttagt cagccgttgt 60
ctccgggtgt cgcgtgcgca gttgcacgtc attctcagac gaaccgatga ctggatggat 120

ggccgcccga gtcgtcacac tgatgatacg gatgtgcttc tccgtataca ccatgttatc 180
 ggagagctgc caacgtatgg ttatcgtcgg gtatgggcgc tgttcgcaga caggcagaac 240
 ttgatggtat gcctgcgatac aatgccaaac gtgtttaccg gatcatgcgc cagaatgcgc 300
 tgttgcttga gcgaaaacct gctgtaccgc catcgaaacg ggcacataca ggcagagtgg 360
 ccgtagaaga aagcaatcag cgatgggtgct ctgacgggtt cgagttctgc tgtgataacg 420
 gagagagact gcgtgtcacg ttcgcgctgg actgctgtga tcgtgaggca ctgcactggg 480
 cggtcactac cggcggcttc aacagtgaac cagtacagga cgatcatgc 528

<210> 21021
 <211> 407
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21021
 ttgctgtttg cgatgttgat ttgacggaaa aggggaaaga gttgtttggt gttgagacac 60
 tgggtgggtgc caacgctgta taaccataga gattctgaat acgacatgct aacggatatcc 120
 agaaaatcca acaaatgcac cgtgacatcg tctttgcgta ccccgatggg gtgaccccg 180
 tgggcagctc gccgaggtgc gaagtccagg gaatgtacaa ggcagggaag tttattacag 240
 tgcaggggca tccggagtgc aaagaggata ttgtttctga ggtggtgaac ttgcgggctg 300
 cggcgggtgt ttttgataag ggcagggctg aggatgcatt ggagagagcc ggaaagccgc 360
 atgatggaat tgctattggg gtggccttttc tgaagttctt gttagag 407

<210> 21022
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21022
 tcagtatccc ggcgagatt ttcacgacta tcaatgtatt cctctcttcc tttaaaccac 60
 agttcaaacg gcaagactaa tgagagcatt agatgctgat attaacttat attagcgta 120
 aatggaatca gcgcgcgttc ctggcctct tcaagcagat ctggttcttc cttgtctga 180
 ttgccctggc gggtctgcca gaggggacgc cttgatgggg gagttatgcg cttgtcacag 240
 tgattttgc gtaccgcagc cgtatgtttt tacttccacc tcttaaccac atatataccg 300

gttaatacat gggtcctgac tgattatcaa tacagcgac ccaatgcaag ttggttggtg 360
cagttcaaac tcgaatacgg tgcggacgag gaccgtctcg gctgctttgt acaagtgtgt 420
tccttctcgt aaaatttgac atagagcagg cactgacgaa agcagtatga tgggccagat 480
ccagtcaatc atatcgtcga atatctaccg tgaggacgac aaacctctgt gtaagtctca 540
ctttccagcc tgctgatagt gcgaagggtg ctgatttgag tgtatgtaga tcgccgcgga 600
aaccgcgtcc tgatcgcgat caactgtctg aatttcgtgc tgtatctgtt tgccaagtgg 660
tactaccagc agaggaataa gaagagggat gctgtttgga ataggatgag ttctgaggta 720
gggtctcttaa ctaggcttct tatccaaaga agggatatgg tgctaataata tagtactgca 780
ggagaaagaa gagtatctca acattacaac agatcagggg aataagaggt tagatttcag 840
atttgcaagc 850

<210> 21023
<211> 456
<212> DNA
<213> Aspergillus nidulans

<400> 21023

acagtcctac ttcttcaaaa gcgacgagct acctctacgt ctggcaattt tctggatggc 60
aaaccgcctc acggacgtcg tttccccgct catagcatac ggtgtactcc atatgcgcgg 120
gactcaaggg caggagggat ggaggtggct gtacgtccgg atccaagccc ccgtcctgca 180
ttagggcctc ttgagttagg gctaaatctg accttcaata gcttcttgat agaaggactt 240
cttacccttt tgataggcat ctggtcaatc ttccagatgg ctccctcgcc cacacaaaca 300
aaagccctct ggagacctaa cgggtggttc agcgagcacg aagagaagat catggttaat 360
cggatcctcc gcgacgatcc ctccaaagga gacatgcata atcgagaagc gatcaccctcg 420
aaattgctct ggccggagtct atgcgactat gacctc 456

<210> 21024
<211> 516
<212> DNA
<213> Aspergillus nidulans

<400> 21024

gggagggat cggaagcgac aaatatcacc cagccgccag cctattccaa gaagttcgtg 60

gtggtgggag acggaggttg tgggaagacc tgtctgttga ttagttattc gcagggttac 120
 tttccagaag tacgtatcgt cctttgagct aattatggga tactgacgga tgcagaaata 180
 tgtcccgacg gtatttgaaa actatatcac acaaacgctt catagaaggt ctgggaaaac 240
 tgtggagttg gcgctctggg atactgctgg ccaggaggaa tacgaccgat tgcgccctct 300
 ctcatatccc gagaccgacc ttctctttgt ttgttttgct attgattgtc ctgcatctct 360
 tgagaacgtt atggataagg ttagaccccc gaccttcgcg ctaggattat ctaaccagga 420
 cagtggatc ccgaggtgtt gcattaatgc cctacgaccc caattatcct cgttgggctg 480
 aaatcagacc tgcgcaacaa gcgaacgtgt atcgag 516

<210> 21025
 <211> 576
 <212> DNA
 <213> Aspergillus nidulans

<400> 21025
 ggcggcgtgc tgcattctgt cgaggaccgg ccgaccccca agtccgtgta caactggcga 60
 atctacgtgc tagcccttat tgcattcatg ggctccaaca tgatcgggta tacatcggcc 120
 tttattggca cgacaatcac attatcgtca tttgaacatg agttcgggctt cgacgagaag 180
 acggatagcc aggtagacct gatcagcgag aatatcgtgt cgctgttcat tgcgggagcg 240
 ttctttgggtg ccattctcac ctacggcctc ggccacttga tcggacgaaa atggaacctg 300
 gtcgtcgcgt ctgccatctt cacgctcggc gccggcttaa cttgcggcgc aacgggctcg 360
 actggactag ggatcctgta cgctggacgc gtcttgtcag gactgggcac aggcgtggct 420
 tcaaacatca tccctatcta tatttccgag cttgcaccgc cagctattcg aggacggctg 480
 gtcggttttt atgagcttgg ctggcagatt ggtggactgg ttgggttctg gatcaacgta 540
 agtgctctca tctacaatac gatcaagtcg actacc 576

<210> 21026
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21026
 tatagggcgg cccacggctc aagaaagctc ttgccgacgc gtactcggcc ttttttgggc 60

gccagctaaa cccagatacc gaagtcacaa tcaactaccgg cgcaaacgag ggtgaggtta 120
tctacactgg ttctgggata cgagctgact ggataaggca tggtgagtgc tttcatgggg 180
ttcattgagc aaggcgatga gggtatcatt ttcgaaacct tcttcgacca gtgagtttgg 240
acgctccgat gcttctgcct atctaacagt ctgtaggtat atcagcaaca tcgaaatgcc 300
cggcggcact attcgatacg tccctctgca gcctccgaag gatggagcca ccaagacgtt 360
acctgcgtcc gaatggagca ttaattttga cgagttggaa aggacgataa accctaagac 420
taagatgatt gtgagttcct gattgcaaac cagacgctca gattctaata cggttcaagg 480
tctcaattc cccgtaagcc tccatttccg gcagtcaaca ttaggtgcta atgaactagt 540
cataatcctg ttgggaaggt tttctcgcg gatgaactcg aacgcacggg tgaccttgcc 600
gtgaagcaca acctcatcat cctctccgac gaggtctacg accgtctcta ctatgtccca 660
tttaccagaa ttgccaccat gaagccagag tactatgagc ggacgctcac cgtcgggtcc 720
gcaggcaaag ccttctacgc caccggctgg cgcgtcggct acctgatcgg aaccgagcac 780
ttgatcaagt acgttgccgg tgctcacacc cgcatttgct acagcagtgt gtctcctctg 840
caagaggcag 850

<210> 21027
<211> 540
<212> DNA
<213> Aspergillus nidulans
<400> 21027

tacgagaaag ttaagtccgc cacgctaaag tccatgattg agggcagaat aaccctaacg 60
gagaatttga tcgggggaat cgtaagcctc cagaagccac tcagccgggg atctgtccgc 120
gcggcctcaa ctgacctgta caacatgcc cttgttgatt accgtgcgtt cactaatcca 180
ctggacctgg caatctttac ccaaggtatc cgattcaaca cagacgttct tcccacgacg 240
gatgcatacc aggagctggg aactgttgta catttcccg cccaggtt gtccaacacg 300
gagcttgaag ctgtaattcg gtcgtccgcc gctcccacct tcaaccacgc tagtggtacg 360
tgcgcaatgc tgaagctaga agacggagga tgcgttgata acgagctgag gttatatggc 420
tccatggggc gcatccgagt cgtagacgcc tctatattcc ctgtcattcc gtctgcccac 480
acacagagca ctgtctacgc agtagccgag agagcagcag atataatcag ggaacggcac 540

<210> 21028
 <211> 604
 <212> DNA
 <213> Aspergillus nidulans

<400> 21028

```
ccctacaaca ccttcatgat agtcatctag cactcaagac tttagctata agagctgact 60
aaagcaatcc aatctcatgc caatttctat ggaataaate tcgctctaaa ggcgaaaaaa 120
taagcgctcg acacggactc attgtcacca cccgtcactt aaaatctact cagcgtcggc 180
aaaggagcca tgggttctag caactaactt acctgttgaa attcgaacac ccaaacaact 240
tgttaatatc tattcgaagc gaatgcagat tgaagaaacc ttccgagact tgaaaagtcc 300
tgcctacgga ctaggcctac gccatagccg aacgagcagc tcagagcggt ttgatatcat 360
gctgctaate gccctgatgc ttcaactaac atgttggtt gcggggcggt atgctcagaa 420
acaaggttgg gacaagcact tccaggctaa cacagtcaga aatcgaaacg tactctcaac 480
agttcgctta ggcatggaag ttttgcgga ttctggctac acaataacaa gggaagactt 540
actcggtggt gcaaccaaac tagcacaaaa tttattcaca catggttacg ctttggggaa 600
atta 604
```

<210> 21029
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21029

```
gatcaccagc cagcccatga gtggaagatg cgcggcatcc tggttgactg gctcatcaaa 60
gttcacactc gcttcggtct tcttcctgaa acgcttttcc ttgccgtcaa cattattgac 120
cgtttctct ctgccgaagt ggtcgcttg gaccgtctcc agttggttgg tgttgctgcc 180
atgtttattg cttccaaata tgaagaagtt ctctcccccc atgtcgcaa tttcagccac 240
gtcgccgacg aaaccttctc tgataaggag atcctggatg ccgaacgtca cattctggcc 300
acgcttgaat acaacatgag ctatcccaat cctatgaact tcctgcgccg tatttccaaa 360
gcagacaact acgacattca aacacgtact cttggaaagt acttgatgga gattagcctg 420
cttgatcaca ggtttttggg ctaccctcag agccaaatcg gtgcagcagc catgtactta 480
```

gctcgtctga ttttagaccg tggtccttgg gtatgctccg ctaagtatta atcatccatg 540
ggatttcata cactaactga tgcataaggat gccactcttg cccattacgc tggctacacc 600
gaggaagaga ttgatgaagt tttccggttg atggttgact acctccaccg tcccgtctgc 660
cacgaagcat tttttaagaa atatgcaagc aagaagttcc ttaagggtaa ggtttttatc 720
ctgaatatcc tgttcgtgcg ttaacgtctg agcagcctct atcatgacac ggcatggggc 780
caaaaaatac caccatctgt acattgacag cgcgctcaca gagccgtaca actccatcaa 840
agacaacgaa 850

<210> 21030
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 21030

ccttgacttt gttcctacca aggagctgga aaccgagctg agcaccattc agtcacttct 60
atcgtgcggt atatatacta aggagcacgc aaaaatcgcg aaacaagcgt ggcaacatac 120
gggtgacggc gtttcaagca ggcgggggtga attctgtctt ggtgctctga aggatgggtct 180
tcttacggaa aggaaaaatg ttacaggaga tgcaacgcgc caaatcatcc acaagggccc 240
tcggagatat cagggaaagg gttcaataaa cgggataggt aaagtttcat cacataacgc 300
agtttcagcc aacaaaccgc acgaaggacg tgagtcagtt cagttttattg aagaacgggt 360
tggaaggaac ttgagtacct cactagccag caaggcaaag attgccgtac gcaggcgaat 420
agcaggtgtg ctgacggcag acgtggaatt gaatgaggct ttggagaaag cctcacagga 480
aggaagagta gcagggtttt cagaatcgga tgttttcctt ttcccaagcg gcatgagttc 540
gatcttcaat tcccacaggt tgctcctcga agcgaggggt tctatgaaaa gcgtctgctt 600
cggattcccc tacattgata cattgaaaat ccttgagaaa tggggccccg gatgtgtctt 660
ttacggggca gggtcactctg aggatctaaa tgatctggag gcacggttag ccggtggaga 720
gagattcttg gctctcttca ctgaattccc gggcaatccc cttttaagac acctgatctt 780
agcggatccg agcctagcca tcaagatgag tttgggtggg cgtcgtgaaa caatgggaaa 840
tttctcacat 850

<210> 21031

<211> 822
 <212> DNA
 <213> Aspergillus nidulans

<400> 21031

```
actcggccaa acgacccta cagctacgca cccggctttg gcaaccggca tcaatctgaa 60
gtgattcccg gcacgctccc agcaggacag aataaccgcg aggagccgcg gtttgggctc 120
tatacggagg ggatcacgta ctcggcattc acggcgccga ggagagagaa ctatagcact 180
tatatgtacc gtgttagacc ggctgctgcg catggtaagc cctcccactc tgacttcgcg 240
cttgtttga gctgattaag cgctgatggc gtggtataga cgggtacgaa acggatattg 300
agcataaatc ccacatcgaa aatagccttc tcaccctgaa ccagcggcta tgcacactcc 360
cttctcaagg cgaatgggcg ccgttccttc tgcccgatgt tactaaggaa gggaaaattg 420
actttgttga cggcttgcac acgctcggcg gcagcggcga cccgaacttg cgccaagggg 480
tagcactgta cgtcttcatg atcaacgcgg atatggacca tagagctttc tgcaatacgg 540
acggggactt cctaattgta cctcaattgg gaagtgttga tatccagaca gagctgggga 600
tgttgtttgt tcagcccggc gagatttgtg ttgtgccgcg gggggtgcgg tttactgtac 660
ggctggggaa agaggatccc aattatggcc acagcggatg ctctggagcg gatgccggtg 720
atgccggcaa gggcaggggc tacatcgttg aggtctgggg ctgcggtgg gatctacctg 780
atctaggccc gataggtggg catggctcgc gaaccaaga ga 822
```

<210> 21032
 <211> 695
 <212> DNA
 <213> Aspergillus nidulans

<400> 21032

```
atttaaaggc ggcggcgggg aaaaccaccc gaaccagata gaaaggagtc atatttagca 60
ccatccataa tgcacccatt caaggctgac ggagaaaccc agactccagc gcccaggaag 120
caagccccga gccagacca acgagcccaa gcaaacgaga gacaaaaaag ccacagctga 180
accaactgtg gaccaaagaa ccacaacagc acaaaaccga gccagaacta ccctcgaatg 240
caaggaaaaa accaaaggca caaaccggcg gtcaagcgac aaccaccca tgagaccgca 300
gtgtacccaa caagccccct caaaaggga aaaacctttg actccaggag gccacccaa 360
```

aggacgggaa ggctggctgc cgccgcaagc ccccaaggaa cctctcaaaa ccgtaaaaac 420
 caaaaggaac ccaaaaaggg ccccaaccag gcacggaaaa caaaaatctt cgagccgaac 480
 gccaaagacc ccccttccga aaccaaacta acataaaagg gcccacacac cacacccgat 540
 accaaaaaaa aaaattttgc cggggttccc cgagggggga aataccccca aacaatgccc 600
 aaaaccccc caccacaaca caaagtgcaa aaaacccaaa aaaaccccc gcaacaaaaa 660
 aaaccacag gaaacaacgt tgccaggga acaaa 695

<210> 21033
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21033
 gccagatcc aagcgggcaa gcctatcgtc ggcgtggag ccggtttgga accccgcaat 60
 cccgctcatg gtatcgaca cagagctgac cagcacagga attggcctct ccgctaaatc 120
 tgtcgaggcg ggcggcgcg atctgatcat catctacaac agcggggcgt tccggatggc 180
 tggtcacggg agtctcgcg ggctaatacc atacagcaac gtcacgaag tgggtggtcga 240
 aatggcgtcc gaagtgtgc ccgttgtgaa acacacgcc gtcacgcgg gcgtgtgcgg 300
 gacagacca cttagggaca tccctcggtt tctctcccag ctgaagggga tgggggttgc 360
 cggggtgcag aatttcccaa cagtaggcct gatcgatggg cagtttcggg ccaacctgga 420
 ggagacgggg atggggtatg acaaggaggt gaagatggtg agggccgcaa gcgaactggg 480
 cctcttgacg acccgtatg tgtttaatgt gggcgaggcg gaagcaatgg caaaggccgg 540
 ggcgatatc ctggttccc atatgggact tacaacgtcg ggcacgattg gcgctaagac 600
 gggcaaacg ctggagcagt gtgtggatga gatccaggcg attcgagacg tggcggtgaa 660
 aataaaccca gatgtgatcc tgctgtgcca tgggggaccg attgcgaggc cggaggatgc 720
 gaggtttatt cttggacgag tggttggtt gcattgggtt tatggcgcca gttcgatgga 780
 aaggttgcct gttgaggtgg ccattaagga tacaacggcg gagttcaaga agattgcgtt 840
 gaggcactaa 850

<210> 21034
 <211> 612
 <212> DNA

<213> Aspergillus nidulans

<400> 21034

atgctcaacc acgtctcaag cacggaatac ccatgcaggt gctgcggtct ttgcttcttg 60
caacttggtt caactgctgt tgcgtcgta tccttatgac gcagctgac ggttgcccc 120
tgtacatcat caacaaacac tattattacg cctggatggc gtccacgaaa cgatcttttg 180
ggctggatgat aacttcctt accgagtggg gctgcccgcac ttatgtccgg gtcagcggtg 240
acgagagtat acgcggacaa gttcgcatcg ccgacgatgg ccgtctaaag acaacctttc 300
cagagcgcct tgtcatgata tccaaccatc aggtctacac cgactggatc tatctttggt 360
ggattgctta ttogaacatg atgcatggcc acattttcat cataactcaag gagtccctaa 420
aatacatacc tatcattggc cagggtatga cgttttacgg cttcatcttc atggctcgta 480
aatggctgtc tgacaagccc aggtccaac accgcctaga gaagctgaag acccagcaca 540
taggctctga ttcaggcgcc ccgaagtatg accctatgtg gcttttgata tttccggaag 600
ggacaaacct ct 612

<210> 21035

<211> 530

<212> DNA

<213> Aspergillus nidulans

<400> 21035

ctgagaagct tgttcgcgaa ttcagatgca atagctgatt gctctccgct gacggttatg 60
ctatatagcg tggcaggacg atctattgcc caaatatccc gcgatacagc tgtttgttta 120
tcagaaatag aaaacattgt tgctattaaa gatgccgagc gcgatgtgtc taacaatgac 180
agaaaccatg gaaaaaacag cggacgactt tgccggaatac agcggagacg acggattaac 240
gttaccaggt atggctgatg gagcgaaagg tatcgctccg gttgactgtt ggggaattag 300
acaccaatg catgaaatga ttactgcatt tcaaatagga gaatttaaaa aggccaata 360
attacatcaa gtacttgtaa gaggtcctga ctacgtatct atggcgccca gatccaactt 420
cagtgaaaac aacgtttcac atgggggtgga ttagatgcag gtactgtacg tttaccccg 480
tttcccttaa cagcagaaga aagagctacc ggtcaaactt gcagcattta 530

<210> 21036

<211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21036

```
ccaaggacca gcgattatga gccacaagga agaggtgagt atgcttgccg gtacgggcag 60
cttgacgcta acgagatccc caggatgaac tgctggccgc agcactacac aagttcgtgg 120
acgtcgatgg agatcttggc cgccgggccc ttcttttccc tcatgattca ttccatgtcc 180
ctgaggctcg gcaatacgac caaatgtcgg caaaggatcg tatgactcag attgccgatt 240
ctcgtgtcac ctcgtgagcg agccgctcta gagagctttg tgcttctctg tagcggcggc 300
actttggcga caacgagttt cttcgagttc ctgcactggg gggctctgtg cggctactca 360
taccaagggt gtctggacgc cttgatttct tataagttca agcgggggtca gtccagcttt 420
gcccttcgat tcttttagaga ggcgctctcg acaggaaacc tgtcatacgc cttcaacagc 480
cccatacagt cgattgacga ccagggcgcc aaagtgggtg tcacgactcg tgaaggccat 540
cgctatgctg gggcccgctt tatctcgact ataccgctca acgtgctaaa cacagtcacc 600
atctctccgc cacttggtag gcagcgcaca gccgcagcaa ataccggcca tgtcaaccaa 660
tgcgttaaag tccacgcaga aattgcgagc cgcgacatga ggtcatggac gggatatctg 720
tacccttca caagctctgc tacgctatcg gtgacggaac aacaccagca ggggacacgc 780
acattgtttg ccttgtgggt tttaacaaca ccattaaggc ggagaggatt tcaaacaaac 840
ccagacagcc 850
```

<210> 21037
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21037

```
agatgacctt cgatacgccg atgagctgta taagatcaaa gcctgctatc tgaagcagag 60
ctctacctgc gcattctaac cgacgactta aacagcttgg gcaattcata atgaagttcg 120
gcgcctcttt gatgtggctc gtcagcttct tgagctggcc caccaacttg agctcaagat 180
cgttggcgtg agcttccacg ttggctctgg tgcagaggac cccaaggctt tcctcaaggc 240
cgttcaggat gctcgcttgg tctttgatca agccgccgag atcggccacg agctgcacac 300
```


tctcgatgtt ggtggcgggt tcaccgggga gactttcgag aaatttgccg ccgtccttga 360
cagcgctctc gaaacgtact ttccgccgaa catccgcata attgcagagc cgggccgcta 420
ctacgttggt ggagcgttca ccctagcggc gaacatcatt gcgcgccgcg gtgtgcagga 480
ccccgagaac ccagcaagg acgcttacat gatttatctc aacgatggtg tttatggaaa 540
cttttcgaac atcatctttg atcaccaaca cccagaagca cgcattcttt cctgcgcgtc 600
cgagattaat ggtcgccctg tctccgaaga atgtgacctt ttccatttgg ggacccact 660
tgcgatggtc atgatcgta tcagccagcg cagcgtgctt cctggtttgt tggacgttgg 720
cgactggctt tactttgagg aaatgggtgc ctataccoga tgcagcgcaa cacgtttcaa 780
cggcttctcc gataaccatg aggtgatcta catctctagc gaggcggacg cctctgctct 840
ccttgaatat 850

<210> 21038
<211> 512
<212> DNA
<213> *Aspergillus nidulans*

<400> 21038
gcgggaacac tctcccttgt cattgcttgt ttcgtcaatg tcgtggctgc cgattttggt 60
tatgtcactg tcgaacggct ccagagagcc ccagatggct ggattagagg tcctgtggcg 120
ccgcctttca agatgataaa gtttcatata gctctccgtc aggaaaaagc tgccgagttg 180
gaacaagtca ctctggatat gtgcactcct ggccatcata attatggccg ccatttgaaa 240
cgtgacgatg ttagggcttt tgtacgcctt tctggtgaaa ccatgaaccg agttctggcc 300
tggctcgaat cagctgaaat accggcagaa tctgtcagga cccatggaaa ctggatggag 360
gttatactac ctgtgtctcg agcggagtcg ttgatgaaga caaaattcca tatctatact 420
catcgagata ctcacagacg cgccatcaga acccttagtt actcggttcc acgagcactc 480
tttccggata ccagttaatt caactacgac tc 512

<210> 21039
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 21039

cgctctcgtc cgctgctca aggcattggg gatcactgcc tcggccgtga catcccaactc 60
 gtccggtgag atcgccgcgc cgtatacggg tggcgctctc tcgctgcgcc aggccatggc 120
 cgccgcctac taccgcgctg ccatggcagc agacaagacg ctgaagagcg cagaggggccc 180
 ccaaggcgca atggttgccg tgggtgttga caaggctgcc gcgcaggcat acctggaccg 240
 cgttgagaaa tcggcaggcc gcgctgtggt ggcattgcac aacagcccca gcagcatcac 300
 cattgccggc gacgaggcag ccgctcgctgc ggtcgagaag ttggccactg aggagggcgt 360
 ctttgcgcgc cgactcaggg tcgagacggg atatcactcg caccatatgg agccaattgc 420
 gagcccgtag cgggaggcgc ttcgcgcgcg attggcccag gaagatgctg agtctggtac 480
 caaggaccag actgatgtcc cgggctttgc ggatgccact aaaccgggca gcctagacca 540
 caccgtcttc tctcccccg tcacgggcgg ccgtgtcaca gatgccaaag tctctctga 600
 cccggagcac tgggtccgca gtctgtcca gccagtgcgg ttcgtcgagg ctttactga 660
 tatggtgctt ggctccacag atagcagcaa tattgacctg atcctcgagg tcgggcccga 720
 tacagccctt ggcggaccga tcaaggagat ccttgccctg cctgacttca gcagcaggaa 780
 tgtcagcctc ccctacatgg gctacctcgt tcgtaaagaa gatgcgcgcg actgcatgct 840
 cactgctgcc 850

<210> 21040
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21040

ctacaaccct acatgattag atgaagggcc acctatctta accagaactc cataaccaga 60
 actacaggct atctctgctt caggaggaag ctttaatagc ttggatagta tccctggata 120
 tacatagcac tgcccctagg ccctcccagg tacaagaaat agcgcaaata atcttggtatg 180
 ctgcaatatt aactctatct ctacctatta gcaaaaactg ggttacagag ttcaccaaga 240
 ggcgcccgga ggttaaaact aggtttgcgc aaaagattaa tcgccaaga gtactatata 300
 aggatocctag gattattggt taatagtttg atgagctgta gaaaaccaga gattagtagg 360
 ggattcagga taaggatata tacaacttta ataaaactag gtttgctatg ggtcttattg 420
 caacaataaa ggtgggttcc agagcagaaa tgccctggtaa accatggcta atacagccag 480

ggaattggga ataggttact actattaaat atatcaatac tagggggtgg ccaattccct 540
ctaccattat ctttaaagga aaagtccata tggagggatg gtttgataaa ggcacaatcc 600
ctggcaatta gaggattaaa ataagtgcta atagatggac tatagacata attggccttt 660
gctggcttca aaaagtcttt attccagcta caactgagtg tacaaggggg gggatttgac 720
ttcttattct agatagacat ggaagctacc taatgcctga gtttgaccat acatgtaagg 780
cgaataatat tatacctctt tacatgcctg cgtattcatc ttacctctc cagcctttgg 840
atgttggttg 850

<210> 21041
<211> 572
<212> DNA
<213> Aspergillus nidulans

<400> 21041

tccgcggcac gcaattaatc cctcactaaa gggatcgaac gccgcggggc attcaaactcg 60
tggactatct cttagctatt ctttcctgta gcgcttcacc tcgttcctcg agacgcaaaa 120
tgcctcagag gcgccatcgg atcgatttct cgctgctaag aaggcgctcag aacttttcgt 180
cggcctctc ctcagacctt tctcctggca ttccggctct ccagtcgcca atgtcgtttc 240
atgcgatggc gtcaccagaa gtccccgagg caacgcttaa gcggaataag ctggacagag 300
ctccagtcaa gccgtccatg tttttogaag atatggatga agaggacgat ggaccagtca 360
ccaagtcaac ggcccatgac cacaaggacg ttccagcgcc acgcacggca cagaaagtta 420
tcagtggcga gagtccacca aagacccaat tctttgaaga ttcatcagc tccggtgtct 480
cctttgtacc gccggttgca cgaatagggc aggattctct tgcctgatt gaagtcttg 540
taaacgtcag cgtaagtcgg ccaagtcaac ta 572

<210> 21042
<211> 495
<212> DNA
<213> Aspergillus nidulans

<400> 21042

acctcttcac caataaagcc ggtgccttct tgtagaacia caactcgatc ctttccggat 60
tcacagagta catccgcgaa catgccctta ctccaacctc cgacaaatct ggtaccccca 120

ttaaataacct cctggacgcc tactccggct ccggtctctt cagcataacg ctctctccgc 180
 tattcaaatac gagcctgggc gttgatgtgg ccggtgactc tattgtatcg gcgcgcgaaa 240
 atgcgcgtgc aaataacttg cctaatacgg gatttgccgc tgctgatgct gcggtgctct 300
 tcaaagacgt gccctacccg cccgatcaaa cgttactagt tattgatccg ccgcgcaagg 360
 gatgcagcga agatttcctg aggcagttgc tggcgtagcg accgaggagg gttgtgtatg 420
 tcaactgtaa tgtacacacg caggcgagag atgtggcggt tatgggtgaa ggggatgaga 480
 agtaaggatat caggt 495

<210> 21043
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21043

acttcgcgaa gcatttggcg aactccgccg caacctcctt actggtgtac cttcgtacat 60
 ggtcccccaa ctatacctgc cattcgccaa actaccactt acagattccg gcaaactcaa 120
 tcgtcgagca acgtgggaaa tgattcacag ttgcgggtca tggtcgcagt atttcctggg 180
 ggatgatatt aaggcagagc ccgctactgt caccgaacgc cttttgcaaa gtctatgggc 240
 gacggtcctc aagggttcctg cctcttccat aggcgcaaaa gacgactttt tccgctctgg 300
 tggagactct atctcggcta tgcgacttgt tgccagcgcc cgtgaggacg ctcataatttc 360
 gttgaagggtg gcggatgtct tccgtcatcc aatactatcc gacatggcca cactgataga 420
 tcgaaaaaca actgtgacaa agccagcata ttgcccgttc tctacaatga ctgatgatta 480
 tgccatccgc gactccatca agcctctcct ctcaagtacc agcgagataa ttgacgttgc 540
 gcctaccacg gacctccagt ctctttcgat tgccacatcg ttgcgacct ctcgtgacct 600
 aatggcgtag gttagtattg atggaattgg cagccctaata tttgcccgat ggagagcgtc 660
 ttgcttgagg gtagtcaaga agcacgatat cottogaacg gcttatgtcg tgtacaaaaa 720
 tcaactcctt cagggttggtc ttogagatta cgccccgtgt gtaaccact atcagacaga 780
 tcagtctatc gaagaatgca ccaaagagtt catcgcgcat gacatgcac gaccacccca 840
 actgggttac 850

<210> 21044

<211> 790
 <212> DNA
 <213> Aspergillus nidulans

<400> 21044

```

atgcttccca agattctcga acccaaactg cgcccgctcg cactcagaac aatggaaaga   60
cccaacaagc ccatggccct cctcctagca agcttctctg tcctgtgcag ccagtcaagc  120
ctctgaacat tgcgaacaag caggcaccta aaaaggctac cccaaatggg gtccgccagg  180
ccgaagctgc tctgaccaag aaggccgacc cgcacaagaa ggaagtccgc atgtcggcaa  240
tgagcgagaa tgaagttatg gatagactga ggtcggctcg gtctaaggac aacccaatg  300
agtcttatag caagcagcga aagatcggac agggagcttc tggatctgtg tatgttgctc  360
gggtcaaaga aaatgccact tctggagtcg ctcgagagct atatcggcaa tatgggtccac  420
gctgccaagt cgccatcaag cagatggatc tacgtagtca gccgcgcaag gagctgatcg  480
tcaacgagat cattgtcatg aaagacagcc aacatgctaa cattgtaaac tttctggact  540
cgtttctcca ggagcagagc aatgaactct ggggtggcat ggagtttatg gaagggtggag  600
ctctcaccga tgttatcgac aacaaccgtg ttattcagga agatcagatt gctacaatct  660
gtgctgaggt agttgtctcc gtattgtgct gcgtttggaa caattgacta acaaatcgac  720
tagacgtgca aaggactggc gcacttacac agtcagagta tcatccatcg tgagctttac  780
gcaaatgggt                                     790
  
```

<210> 21045
 <211> 644
 <212> DNA
 <213> Aspergillus nidulans

<400> 21045

```

ctgcagggtca aagatgagga ggctgttata tcgagaataa ctacacgaat ggcgcaaata   60
taccagagat ccgagtcttt catgttcgtc agcatgcaag tgatcccgtc gctgcgattc  120
ggcaactcga cagtgccagc atactccatg aaagtcttcg cgctgccgta tctcattgcc  180
ccgatcacga acctccgcag caccatactc attcaagcgg cgcttcacga cattctacat  240
atccaaccct cccggggaat catcctgtat attccagttg cagaagagaa catggcgacc  300
aacaatacta ctatgatggg tgaggtagcc cgtttacaaa gcgatactca tggctggggc  360
  
```

cgggagtctg gaatctttca gtctctttct cgatccctgg ttggaggaag aagtccagca 420
 gcggtgcgag tgttcctctg tctgtcgcca caacatcttc atgggccgct cgaagcgatg 480
 tgcataaagc aaaaccagcc gcgatttcag agtctgaagg taccaatata tccgccgatg 540
 aaggctctgt gagacctaga caatctagga cgctgcggct tttcggttcc cgccggttga 600
 ctgagccctc ggagcattcc aacgcgggct cgggaatagg atgt 644

<210> 21046
 <211> 530
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21046

tccttttgca gcgctgttct cggtttcccg cgtatgggaa agctccgtga cctcaagaag 60
 gccacggaag cttactgggg tgagaagatc tctcgtgatg aactcctgag cgagggaaag 120
 agacttcgtg cggagcactg gaagatccag aaggatgctg gtgtcgacat catccccagc 180
 aatgactttg ctttctacga ccaggtcctt gaccacatcc aactctttgg tgttgtccct 240
 gagcgttatt ccaagtacaa cctccacccc cttgacgagt actttgctat gggccgtggt 300
 ctccagaagc ctgccaagga tggccagccc gccatcgatg tccccctttt ggagatggtc 360
 aagtggtttg actccaacta ccactacgtc aagcctactc tccaggataa ccagaccttc 420
 tagcttgctg ccaaccccaa gccggtcggt gagttcctaa gagccaagga ggctgggtatc 480
 gtcacccgcc ccgtcatcct gggccctgtc tccttcctga acctcgccaa 530

<210> 21047
 <211> 475
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21047

taacatttaa cagcctgatc tcctaccgcg tcgccattgt aaacgtcttc gtctccgcgc 60
 gtctaatacta catttacctc acgaaagaaa agaacttccc gaactgggct cccggcatcc 120
 gcgcaaccct cctgttaaca gttttctttt gcctgtcaaa catctacctc gtgggtggcg 180
 catatatccc gccttcgcgc ggccaaagcg tctacgaaga gctcccttat tacctgcact 240
 gcgttggtgc attgggaatc tttgcgcttg gctagtgcta ttatcttggt tgggcagttg 300

catgccgcgc ctcggcgggt acgtccttgt taaagagaca gtcgtcgatg ccgatgggtg 360
gagtaggagt gtttttacga agatgcctgt tgcaaggggtg aaggacgagg ggttgcatTT 420
ctagtcgttg gtttctcttc tctctcatcc ccaacagcga gacggatggg gtctg 475

<210> 21048
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21048

tggttgccag cgatgccatt ggcatgggtc tgaatctgtg agtttcgtct atctagtgga 60
atcggcgtat aatctaaca tttgtaggag ctgccgacgg atcatttttg agactgttgt 120
gaagactctc ccttcaggac ttaaaagact caccgtcccc gagattaaac aaatcgggtg 180
acgcgctggc cgctatcgct cagcagcgca gcacggaaaa gaccatcagc aggacaatga 240
caatgacaat gtcggttacg ttacctcact tgaagaagtc gaccttcctt acatccaaga 300
agcgctgaac actgagccac caccaattag tgcagcaggc attaatectc ccgactctgt 360
ttatgagaaa ttgcgagcct attttcttag caacgcatca ctgcggtaca tgggtcaagcg 420
gttaacggag attgccagaa tcaataactt gttcttcatg tgcgacccca gccccaaact 480
ggaaaatgcy gagatcattg atgccgtacc tggcctgcat tttgtggacc agctaacctt 540
tatggccgcy cccatgaacc cagagaaga gtcgagacgc agagtagcga tggcattcga 600
gcgctgcgtt ctggaacaca cgaacggccg gctcttggat attgaggaag tcaatctcga 660
aatcctcgaa gaacctgtat ctggaaacaa ggagtatatg cataagcttg aaggcctgca 720
ccgatctggt attctctaca cttggctcag ttatcggttc ggaggcatct ttacagaccg 780
cactctggct gtgcacgtga aagaactcgt ggaagaaaga atggtcagag cattgacaga 840
attctctgcc 850

<210> 21049
<211> 806
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 21049

aaaaccanaa aaagaaactt aacaaaaaaa acacacacag acacccgaac cccccctcc 60

cacaaacaaa caaaaacaac acaamnnntta ttccacatgt aaaagaaaa caagcaaggg 120
gccaccaacc aaaccgacga tttggtaacc aaaaaccac caagacaaga acccgcccca 180
aacaggacag aacagacgaa accaggaaaa aaccaaacg aaatacgaca acaaaaaaac 240
gactaccaac ccgcaaaccg cacaccacaa caacagatgg aaaagaaaag gcgccccaaa 300
tcacccacgt acaaagcaca accaacacga aaaaataaac aatacccgca aaaccgaaa 360
caacactcga aaaaaaaaa atgaccccca cttcaagaaa ccacgacaga accgaaaacc 420
aacggaaaga aacaaccgaa aaaaccttac ccaaaaaacc ccaaccaaga tgaaaaacct 480
aaaaaaaaacg tcccaaacg atacgataaa caccaacgca gacccaaaca cacacaataa 540
caaaaaaag gccaaaaaaa aacccaaacc ataaacccca ccaaaaaaaa cacccaaaga 600
cacccgtaaa ccaccacaaa cacctgcccc agcccctgag aaacaccgaa cccccaagaa 660
aaaaccccca acgaaaaacc caaactaaga aaagcaaaat ccaaaaacaa taaaagccaa 720
accgaaagca gaaaaccccg aaaacccaaa caaaaaagcc aaaccgaaa aaagaaaaaa 780
cccaaaccc accaccaaaa aaaaca 806

<210> 21050
<211> 609
<212> DNA
<213> Aspergillus nidulans

<400> 21050

tctcgcgatc caaccggtac tatatcgtgc cgcagggtct ttgtcacttg ttcttacaaa 60
tatgaaggat tcgggggcgg gtgaatcttc taaaggaagt tgcagggacc caagtttacg 120
aggcacgacg tgcggagtct ctaaaaatca tgcacgagac gaacagcaaa cgggagaaaa 180
ttgatgagct attagatttc attaacgaac ggctggcaga gcttgaagag gagaaggacg 240
aattgcggaa tttccaagag aaggataaag agcgaagggtg cttggaatac acaatctact 300
ctcgcgagca gcaagaaatt gctagctttt tagacagcct cgaagaacag agacaaactg 360
gtgtcgagga tactgacatt aatcgcgacc gtttcattca aggagagaag gaaatggccc 420
aggtcgatgc agagatcgcc gagtgcaaac agcagattga atttctcaag gttgataaag 480
cacagctgga agacgaacga cgcgaggcgt ctaaggcact tgctcaagta gaactacaag 540
ctaagtcgct gtcggataat caggctgctg ccaagagtc aaaagcacgc catgacgaaa 600

gcttgaagc

609

<210> 21051
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21051

gaacctggaa cctgcacaac accctgctca aatacagccg caagacagac tatttccttc 60
tcttcagctc attgtctggc ctcatgggc aaactgggta tgccaactac gcagctggaa 120
acgctttcct cgatgcgttt gtgcagtacc ggcactcact tggcttgcc tgcctcgaa 180
tcaatattgg tggtatggaa gatgtgggat atgttagcga gcagacacat gccatcgacc 240
acttcgtcgc tacgtcgacg tatactcttc aagaacgcga tctccatgat gcggttcaat 300
tagcgattga caaatctca ccggttgga cgacaaccag gaacggacct gccagccca 360
catatgtcaa tgaaagtcag ttgctcatcg gtttgcgtag tacagcgccg ctggattctc 420
caacaatcga acgtcctgga ggcgggatcc gcgcatggcc ctctatcaca acctgaacca 480
gtcggctgcc aaaagcgcat ctgaaaagac cactgatact gccgatgatc agattctcgt 540
atgctttctt gagcaactca agggggaacc tgatatactt gacaaacccg agtcgattga 600
cctcctgagt acagagattg gtaagactct cttcagctat atgcagcgtg atcgggtccaa 660
cttgatctg gatgttccac tgccatccct aggagtggac tccctgctcg caatcaagat 720
gcgcaactgg ttccaacgga aaatcggggg tgatattggc gtagtgcaga tactgaatag 780
tggaagcttg cgggatctag gaagaattac tgcaaaggct atagcaggac tgcggattgc 840
agagtcgaca 850

<210> 21052
<211> 578
<212> DNA
<213> Aspergillus nidulans

<400> 21052

attgcatatg tccaccgtgg cattgcagga gcccattgc tctcgacata ctccgccgag 60
cgacagccgt cggccacggg attgtaacgc gcgccaacca ggcgttcagg gatcatcacc 120
agatctgggc cgcgctcggg atgctcggcg catctctcga ggagcgacac gcgcgcttga 180

agagttgacc gagccactg cgcgcggcg cgacggcgtc agaccctcca aaaggctgtt 240
 gcgcatacag cgcacgagtt tcacggctta ggcacgaga tgaaccagcg atacgaggg 300
 ccagggatct acgacgcaga cgaggccgat ccttttgtgc tccctggccg cgcggccgaa 360
 gaccctgttc tgtactatga gccgaatacc tatcctgggt gccgattgcc gcatgtatgg 420
 ctgaaccggg ccattcccgg gcagccagtg tccacgatcg atctggcagg acacggcgct 480
 ttcacactgt tcaactggtat tggaggtggc cgtggaaaca ggcagcggag agggtaggtg 540
 gcaggcttgg agtcacggta tgcacgtatt cgataggg 578

<210> 21053
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21053
 accacaacac gttcgagaca aaagaggagc aggtgtacaa gttgcccttg aagtcgaagc 60
 gggacgtggc cctgctggca tcgaagccct ggttccgcat cgccgcggcc gacctcagcc 120
 tcgacgacca cctggatgat gagctcactt tccggctgaa aagctcatac cattttcgcg 180
 acgccaacac gtacagccag atcgaaacct gtgggaccgt cagctgtgcc gtggggaata 240
 aggacatgac gatcggcaca gtgatgttca aaagcaactc gcacttcctc aagaaccccg 300
 tcatcgactt cctgaccctg cgaggatttg cctacgacga ggtcaagcag cttccaaatg 360
 ctgtgccctt ggccgcagat gtccgcattg agatgccac gtctagtac cagtacgtg 420
 ccgcctcggg agacagcaac ccaattcacc tatcgctgc gtttgcgcgg tacgcggcca 480
 caacgaaggt cgggtcatcc acggcatgca gactagtggc ctggtacgag gcgtcgtgga 540
 gttgcatgcg gcaggcaacg atccgcggcg catgaaggcc tggctctgctt cattcaaggg 600
 caaggtatcc cctggcgaga ccctcctcgt ggatatcagc cacacgggga tgaacaacgg 660
 ccgcttgatt gttgttgcta ctgcacggtc ggaatcgctc agtgtagaag tgtttcgtgc 720
 gacggctgaa gtggcccaga agccaggagc ctacctgttc actggccagg gcagccagaa 780
 gccggcgatg gggatggatc tgtacgagac cagccaggcc gcacgcgatg tatggcacac 840
 ggccgagcag 850

<210> 21054
 <211> 813
 <212> DNA
 <213> Aspergillus nidulans

<400> 21054

```

accaagtcca cgcacttaac aacgcaacat ggctctgaaa cgcacattca agctcaacac   60
aggctatgag atacccgccg ttggactggg aacatgggta cgaacaacta cttcatcttt  120
caggaaccaa gcttatgaat gtcttattgt gtatagcaat ctaaaccgag cgaggttgag  180
gaaccggtaa ctgcggcgct gaatattggc tatcgtcata tcgacgctgc tgcggctctac  240
ggtaatgagc gcgatgttgg gaacggaatt aaggcatctg gtgtgcccgcg tggagagata  300
ttcgtgagct ctacgttgac tttggaagag gtttgtgtgt tcaactgacg tgctaagctc  360
acgagcaaat tatggaatac ccatcatgac cctgagaacg tcgaagctgc agtagatcga  420
tcccttagcg atctccagac ggattatctt gatctttacc ttgtaagtca ttcaagttct  480
gttgtgacag agtgtaaacg tcgctaatac ctgctggtca tatagatcca ttggccagtg  540
gcttccgcta ctcaaccaca accattcagc ctgtcgatga gaaaaccggg ttaatcgatg  600
tgatagacgt accaattaaa gatacatggg ctgcgatgga ggcacttgta gctaaaggca  660
aagtgcggtc aattggagtt agcaacttca accggcagag gatcgaggag ctcctcaaga  720
cgtacgctca ttgcccactc gagacacgct atctgaatct gacatacggt gagggcaaaa  780
ataccaccgg cagtccacca aattgaagct cat                               813

```

<210> 21055
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21055

```

agtattcaac atttccgtgt cgcccttatt cccctttttg cggcattttg ccttccgtgt   60
tttgctcacc cagaaacgct ggtgaaagta aaagatgctg aagatcagtt ggggtgcacga  120
gtgggttaca tcgaactgga tctcaacagc ggtaagatcc ttgagagttt tcgccccgaa  180
gaacgttttc caatgatgag cacttttaaa gttctgctat gtggcgcggt attatcccgt  240
attgacgccg ggcaagagca actcggtcgc cgcatacact attctcagaa tgacttggtt  300
gagtactcac cagtcacaga aaagcatctt acggatggca tgacagtaag agaattatgc  360

```

agtgctgcc a taaccatgag tgataaacact ggggccaact tacttctgac aacgatcgga 420
 ggaccgaagg agctaaccgc ttttttgac aacatggggg atcatgtaac tcgccttgat 480
 cggttggaac cggagctgaa tgaagccata ccaaacgacg agcgtgacac cacgatgcct 540
 gtagcaatgg caaccacctt gcgcaaacta ttaactggcg aactacttac tctagcttcc 600
 cggcaacaat taatagactg gatggaggcg gataaagttg caggaccact tctgcgctcg 660
 gcccttccgg ctggctgggt tattgctgat aaatctggag ccggtgagcg tgggtctctc 720
 ggtatcattg cagcactggg gccagatggt aagccctccc gtatcgtagt tatctacacg 780
 acggggagtc aggcaactat ggatgaacga aatagacaga tcgctgagat aggtgcatca 840
 cgaaatctgg 850

<210> 21056
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 21056

aggcacgcgg ccacgagacc cggccccggg gcgccaacc cggagggggc gaggacgggc 60
 gcggagagga ccgcgcggag accggaggag gcgcccggga aacgaacgac cggcaaggaa 120
 gagaagcgcg aggcacagga agacgagcgg ccgaaggagc gccccgcgg gcaggggaaa 180
 cgaaacgccg aaacccccag aagcccgga gggcaaacca agaggaagca ccgcgcaaca 240
 agaaagggcc agcccccca gccgggagcc cccacccccg aaggccccga ggaaccagcc 300
 ggcccaggcc cccaaaggga aggaaagccc aaagcccaac gggcacgaca agacagcgaa 360
 acccaaaggg agaaaaacag acaaaggcaa caagaaaaaa ccaaaacccc nccaacccg 420
 gaggaacccc ccaaacccca acaaaaccca aaagacgcac ccgaacaacc caccacaaca 480
 gccaccccc ccccaagag cccccgcag ccaaacaccg gacacacccc cccccccag 540
 ccagcacaag ggccaaacac cccccaccgc cgaaacagac aaaacacggg ggcggaacc 600
 aacccccca ggggggcaaa cgggacaccc gccccccaa aaaagaggga gggaaggaga 660
 gaggaaaaga aaaagcccg gggagggggc ccccccccc canccccca caccaccgcg 720
 ggggggggag gggggacccc aaccacccc accaaacacc aaccacacca caccaccaac 780

accaaacacc gccgacgacc acgaccaccc acacaaaccc cacgaccccc aaaaacgcac 840
 acccacccca 850

<210> 21057
 <211> 514
 <212> DNA
 <213> Aspergillus nidulans

<400> 21057

tggttggttct tagttgctgt cctccgtggt gactccaagg tctccggcac cgtcaccttt 60
 gaacaggccg acgagaactc caagaccacc gtctcatgga acatcaccgg caacgacccc 120
 aacgctgagc gtggctttca catccaccag ttcggcgaca acaccaactg ctgcacctgc 180
 ggtggccctc actttaaccc cttcggaaga cccacggcgc ctccaagatg aggtccgcca 240
 cgtcggtgac cttggtaact tcaagaccga cgccgagggt aactccaagg gctccaagac 300
 ggataagctg atcaagctca ttggtgctga gagcgttctg ggcgtgagtg actcccttac 360
 ctgagatagc agcttgagaa atgctgactc gaaatagcgg acccttgctg ttcacgctgg 420
 tactgatgac cttggccgcg gtgactctga ggagtccaag aagactggta acgctgggtgc 480
 ccgtcctgct tgcggtgagc attcttcata tcga 514

<210> 21058
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21058

gtcggtggtg agacattgac caggctagca gacgatccaa aatcccagggt taaggaatat 60
 atacgctggc tcacgaagca cgagggagtc ttgacgagcc cggtagccga gttcctggca 120
 tgggagcgga ttccagacag cctgagggca ggcttttctg aagacacacg gcggaatctc 180
 tcaactgttg cagacggctg gccagagggt gaggtatggt ttatgtactg ttgggacgga 240
 gcttgaacta accttatata gtacatgtca ggagcagggt tccttgggaa tatctccaat 300
 ttctacagta tccaaccgga cgatgggtat gaatatgcgt ccattcttgg tgtactcata 360
 gcaacaacgt gtcgaggtag tgttactttg gcgtccaatg acacatgcga cccgccgata 420
 ataaacccga actggctaga taccgagtcg gatcagcaat tggcagtagc tgcattcaaa 480

agaatcagac aggcctttgc gagtgaggag atgcgcccag ttgtcatcgg cgaggaatac 540
tatccaggac cgcaagtcca gtcggatgag gagattctgg attggattcg gaacaatatg 600
atgactctct ggcaccttc gtgcacgtgc aagatgggca gggcggatga caggatggcg 660
gtcgtggaca gccaaactcg agtgtttggg gtgaatcgct tacgggtggg ggatgccagt 720
gcgtttccat ttctgcctcc aggtcatcct cagtctacat gctgtaagtc aacccttagg 780
cccgttggtg gttgctgatg gttcagacat gctggcggag aagatcgccg aggatatact 840
ggagcaaagc 850

<210> 21059
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21059
ggagaaactt cggcgttctt cttgctttcc ttattggggt catggccatc tacttcctcg 60
cgtcggagct gaactcgtca acaacgagca ctgccgaagc tctggttttc agacggggcc 120
atgtaccgga gtacatgcgt ccaggataca ccagacctac tgacgaagag aaagccgtca 180
cacagagcga catcaaaccg tccagcccat cgccgacgaa caccgatctc cctcttcccc 240
cacaacgcga catcttcacc tggaaagaca tttcctacga catcgagatt aagggtgagc 300
cacgccgtct gctggacgac gtctcagggt gggcacaacc cggcacgctg accgcgctga 360
tggggtgtcag tggcgccggc aagacaacc tgctcgatgt tctagcgac cgaacaacga 420
tgggcgttat cacgggcgac atgtttgtca acggcaaggg ccttgatgca agtttccagc 480
gtaagactgg ctacgtccag cagcaggatc tgcattctga gaccgcgact gtgcgcgaga 540
gtctacgggt tagtgcattg ctacgacaac cagcgtctgt ttccatcagg gagaaacacg 600
actatgtcga aagtgtcatt gagatgcttg ggatgggtga ctttgcagag gctgttgtgg 660
gcacgcccgg ggagggactg aatgtcgaac agaggaaact gttgaccatt ggcgttgagt 720
tgggcgcaaa gccaaagttg ttactcttcc ttgatgaacc cacaaggtat gttctttgcg 780
tccaagagat cctacgggag aatgtgaact aacaaaagca gcggcctcga ctcccaatcc 840
tcctgggcta 850

<210> 21060

<211> 552
 <212> DNA
 <213> Aspergillus nidulans

<400> 21060

```
aatctagcca ctagtacgga gtcgagatga tatgccctcc acgcaccagc agtgatcatc   60
ccgttcgcca tccagatcat ccccgagcgc ctctctttca tcggctccct ctggatccgc  120
gagtctccgc gctggctctt tctcaagggc cgccgtgccc aagccatggc caacctctgc  180
tggtatccgc aactcgacga aaccgacatc tatatcacgc aagaggtggc cgctatcgat  240
caagccctgg aggagcaggc cgtaacagtg ggaattgggt tttggaagcc cttccaggcc  300
gttgccagac gcaaggcgat cttgtaccgc ctcttcctcg gatgcatgct cttcttctgg  360
caaaacggat cgggcattaa cgcaattaac tactacagcc cgacgatctt ccagagcatc  420
ggtgtctctg agagcgatgt cggctggatg acgggtatct ttggcggtat caaggccgtc  480
atgacctttg tgtggcttct tttcctggtc gaccagctgg gccgtcgga cctgttgctt  540
ggaggtgcta tc                                                             552
```

<210> 21061
 <211> 369
 <212> DNA
 <213> Aspergillus nidulans

<400> 21061

```
atagtttatt aactagaaat tatttaccga gataatgtag atatacaaat aattttattt   60
aatatcttaa tgcaatataa taaaaaaaaat tcagagtatt taaaaaaagg tatattaaat  120
gatataaaat ataaaagagt atctgggggt agattagaag cagcaggaag attaaactaa  180
cgttatacag cttctagatc acaatataaa tttaaataa aaggtcattt agtaaataca  240
tattcatcta ttcaaggtta tccatcatct ctaataagag gaaatgataa acctatatta  300
caatatacaa aattaaattc taaatcacgt attggatctt ttggtgttaa aggttgagta  360
agtggagtt                                                                369
```

<210> 21062
 <211> 504
 <212> DNA
 <213> Aspergillus nidulans

<400> 21062

ccgagagtga ggtcctcgct ctgaagaaag ggtacgacga tgcaaacgct cgagacactc 60
ccggtactca atgccgttat caaggagacc ctccgcttat acggtgctgc tccaggatct 120
ctccccacgga ctgtgcctcg tggaggtgcg actttgggtg gatatttcat ccctgagggc 180
atgacggtga gtacgcagag ctggacggtt catcgcgacg agaatctctt tccagacccg 240
gacagtttca atatctcgag gtggctggag gagaacgacg ccgggtttcc ggctgcacag 300
ctggcgtttt cgccgttttg tgctggtggg aggatatgtt tgggtataca cctggcgatat 360
atggagctgc ggctcgccgc agcagagttc ttcaggagat gtcgaggggt aaggctgtcc 420
ccggatacga catggaagat tatgaagccc atgaattact tcttgattgc cccaactggg 480
aatcgggtgtg atattatgcg ggga 504

<210> 21063

<211> 352

<212> DNA

<213> *Aspergillus nidulans*

<400> 21063

cacgagcccc gctacaaaca gcgacgagca ccttgtgcag actgtaatca aggagatgca 60
ccatgccagt ctgcaagacg aaccttgctg acgcgagcaa atgcccgaatg gcttcggccc 120
ggtttttctca atcatattgc ggagtgagga ttttggccgc gctttgccga gcaagttagc 180
tctgtttcag catgcgacaa gtctgggtgg tgtcgagtca ttgatagagt ggcgtgcttt 240
atcagattcc cgggttgatc ggaagctact gaggatcagt gtagggttgg agaattggga 300
agatttgaag aatgatctgc ttcaagggtt cagatctctt ttgagggaga gg 352

<210> 21064

<211> 653

<212> DNA

<213> *Aspergillus nidulans*

<400> 21064

cgctagacac attatcacga ctacgctct cgctctctga gatgtatcgc tcttgtgcac 60
cgggacttcg aaaaatggcc ccctcatggg ataccaacgg acgaaaatga aatggcagtt 120
tttgagccaa tcttcaagga catgacgatg ctaggcatct tcggcatcca ggacccccgtc 180

cgcaaggag tccctgacgc agtccgocaa tgccagcacg ccggtgtttt tgtagaatg 240
 gtgactggcg acaatattat cacagccaaa gccattgccc agcaatgtgg catctatacg 300
 cctggcggtg tcgcataga agggcctgaa tttcgcgagt tgagccatga tcagatgaac 360
 aagcttatcc caagactgca ggtcatcgcg cgggtcaagtc cagacgacaa aaagattctg 420
 gtcagccagc ttaaggaact tggcgagact gtcgccgtga ctggggatgg gacgaatgat 480
 gcgcaagcac ttaagactgc tgatgttggc ttgcaatgg gcgttgccagg caccgaagtc 540
 gccaaaggagg cgtcagatat tatcataatg gacgataatt ttacgtcaat tgtcaaggcg 600
 atagcaaagg gtcggccggt taaataaccc ggtaaaaag ttcttcaggt aag 653

<210> 21065
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21065

tcgtctttta tcgtacctgc tctggcgcaa atcccaggtc agacgactgt caatgcaacc 60
 gtcaaccagg gccggtttgg caacgccacg tatgattatg tgatcgtcgg cggcggtacc 120
 tctgggttgg ccattgccgc gcgcctggcc gaggaccctt cactcagtgt tgccgtcatt 180
 gaggctggag gatactatga gctggacggt accgttgcca gcatcatccc tggccttgca 240
 gcaggagcca atgtcggcac cgatgcaact gaatattcaa cgggtggactg gaattttcaa 300
 gcgcagcctc ttacagttag taacctgcaa gaaatgcgat cctgactggg ctaatgcact 360
 atctagtcgg caaatgacag gtctcttcgt tataatcgtg ggaagacgct cgggtggtcc 420
 tcagctagac attatatggt ctaccaacgg tagggttatt ctccgcagtt tcagggacaa 480
 gcttctattg accgtcgcca gcgggaccag aggcagttac gatcaatggg cggaactcac 540
 tggagatggg tcctggggat gggcatccgt gtttccgtac ttccagagga gcgtcaatgt 600
 cacgcctgcc aacatgacag gccgctttcc caacaccacc gtcacttatg acccgtccgg 660
 cttcaataag gctggcggtc cgcttcatgt tacttggccc aactagagtc cccgtggtct 720
 acctggattg agcaagggtt ggaagctatt gggattctcc cagataccga ttttaacact 780
 gggaccttga acggctcatc ctgggccccca atcaccatca atccgctgag ccagaaacgc 840
 gactcgtcag 850

<210> 21066
 <211> 829
 <212> DNA
 <213> Aspergillus nidulans

<400> 21066

```

cacacggggg gacgcccgat cgcgcgctcg caatcagctc tgtatattct gatcgccaag 60
gtggtgtgca aatgggacga gacaacagcg tcaactgttt gattccagac ttggataagc 120
taagtttgga aaagggtaga gcttttagacg ttgaggatct tgatgatcag ggttggctag 180
ctgctagcga gcagaagaag attgtcgagt tgggtagtct cggagaagga gccggaggag 240
cggttacgcy atgcaaattg aaggagggga aaactgtctt tgcattaaag gtgagtctta 300
tgacggcttt taatggctgc cgagctaata tacgctgtaa agatcataac caccgacca 360
aatccagacg tgaagaagca aatcattcga gaactcaact ttaataagga ttgcgcctcg 420
gagcacattt gccgttacta tggcgcttt atggacaagt cgactggtac gatattctatc 480
gcaatggaat tctgtgaagg cggcagcttg gacagcatat ataaggaggt caagaagctt 540
ggtggacgaa caggagagaa ggtgcttga aaagtagcgg aaggagtcct gaatggactc 600
acttatctcc atggcagaaa gatcatacac cgaggatatgt ctacctgggtt agaattgatga 660
aatgctgcta aactgtgca gatataaac cgtcaaatat ctttctctgc cgaaacggtc 720
aggtaaaact ctgcgacttc ggtgtcagcg gtgagtttgg caccaagggg gacgcgaaca 780
cgtttatcgg tacttcttat tacatggctc ctgagaggat tacgggaca 829

```

<210> 21067
 <211> 397
 <212> DNA
 <213> Aspergillus nidulans

<400> 21067

```

tcatgttgct gctggttctt tcgataccgc gatgcagctt ctcaaccgcc aagttggagc 60
tggttacttt gtcctctca agcctagggt cctcgaaatt ttcaaagcct ccaagaccta 120
tctttctgca actcccggcc tcccccgct tgtcaactat gttcgacgaa ctggtgacga 180
aactgacagc cggaaagtgc tgcccgcct cccagggac cttgaaacta ttgctagtgt 240
cgacttgcaa gagggttacg ccgccatgag agctaacaag ttggaggacg gtgttaagat 300

```

cttcaagaac atcctctact cgtttcttgt aaacgttggt tcgtccgagg cggaggttga 360
gcaagcaaag aagatcattg caacttctcg agaatat 397

<210> 21068
<211> 773
<212> DNA
<213> Aspergillus nidulans

<400> 21068

cttccaacac taacaaccaa ctcaacctcg ccgaattcta cccgtccaca gacacagaca 60
cataatgggtg gactgggtca cacttattgt accgtttgcg tacctcagcg ttctaatecg 120
ctcccttgca actttctcat ccctctaccg caagcgcaag gccagtagt ctgctcaa 180
actctcaaac aaattcgatc aaatcactaa ccgcatcccc caaaaacagg aaaggccaca 240
tccctagaac catgggttcc gtcacatcta caacgagaca tctacttttc ctttctgcac 300
cttgacccgc ccgcctcagc aacagagaag aaggtcgagg tccccgagtc ggtcctcaag 360
gcggcgctac tccgcgcgcg tcaagaagac attcgccgcg tcatgacct tcgcagtcag 420
aagcaggctc tttccgtact tcttcagcg ggaagtgtgg gcgacgacct ttggcagagg 480
tttctgcggg cggagaagga gatggaggat gaagtgcggg atgttggttac tgaggtaatc 540
gcccttttcg ctttttctcg gaattttatt cagtagatgg gatatgctga cgttactgat 600
gaacaggcaa acgcgtacgc cccaactgg ggccaggtaa tcttcagtc ggcaaacgaa 660
atggttaaca acgagattgt acgcgagcgg ttagataaac accagaagaa acttgatgag 720
gagaaggctt ggtgggagaa gaagaaggct agtatccagg aagggttcat gaa 773

<210> 21069
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21069

tatctcatct caacgaacca ggggtacta cgtcttctcg agcacctact gaagcttaac 60
taaccgctcg cagttctaca agccatcaag ttacgctatg cacagaaaga gatataata 120
tatagcggta tcgttcttat cgcaaccaac cttttcgctc gcgtggattc gctgtatgta 180
cctcaaatgg tccaggttta cgctggaaag caccgcgcat ggcaggcacc acatttggtc 240

gctatcgag aagaagcatt tgggtaagtt ctgtcagtac tttcgacggt gaagtattac 300
tcattgttgg tacgatacag ggacatgcta cgggatggga agaatacaaac gatcgttggt 360
agcggcgaat gtggcgctgg ttaaacagtg agcgcgaaat atatcactgc gtatttcgcg 420
acacgcgagt gttgcgacca gcccttgaag tataccacga gaagagccga tgcaatcagc 480
gaatcggaag aacagatgct agccacaaac accgtgatgg aagccctttg cagtgcgaaa 540
ctacgcgtaa tggcaacgtc tcccggcttc ggaaggacat tgtagtaatg ttcggcggca 600
agaaccacat tgtggtgcca aataccgcct accttcttag agatcccgt agttttaagc 660
cctcaagggg gaattataca tatttttcac ttgtgtaggg ttgggaccaa aacaaggaat 720
ggccaaactt ggaggggtggc cctctattgg gggacccttt tgggggggtc aaagccattt 780
tcccagagt ttggaagggc cttgacacag gaattggtca gtggtggctg gaaaaaata 840
aaaaaaagga 850

<210> 21070
<211> 850
<212> DNA
<213> Aspergillus nidulans
<400> 21070

tacattgcct gctgctttgc tgccggagtc tgtgaccgga gacaagctgt caaatcggtt 60
atccttccaa ctctgccagg tcctttctgc tgttcttggc cagtatgagc gccttgaaat 120
tgatatcgcg cagatggacc agctagtgtg ggattatgcy tgggagcttt gtgcatctgg 180
aaacctggcg caagtcttat ttgttttgct tcatctgtcg cgcgcctcag atcgtgaaag 240
ggctgtaaag gaggtactcg cgcgatttgc tgccgaactt cccgagccga tcacgccgga 300
aggctctccg gatgcaactt ggcagcaatt gactagcgat ctccaaattc cagagaactg 360
gatctggatg tccaaggctc tttatgctcg aaatattggc gatgctgctc gcgaagtgga 420
ttgtctggtc cgagggaaga actggaacga tgcccatgcc actttctgcc gcattgttgg 480
cccaacggcg gtcattgagc acgactacaa gactctcgag actttgttgt ctggcttttg 540
cgagacacca gagcaaaagg tgcagggttg ggctagtggc ggcggtgtct acgaagactt 600
ccttcgtctg attactgcgc gcggacagga cctcagcgc ctgaaccgat tgggtgatgc 660
cttggttacc atgggtgatg ttattaacgg atctcgagtg gaagggttgg aagagcgcgt 720

ggcgttcaag gagatgagcc gtatcgttgc tggctggacc acccaggagg acgtgaaggt 780
gagcttttgc ctttttcaa aaaccacaaa catgattcta accttattac aggcaatgga 840
gatgtcacgt 850

<210> 21071
<211> 428
<212> DNA
<213> Aspergillus nidulans

<400> 21071

aatgtcgaca tgaacgggga tacagaggcc agaatacggg tcatggaggc catgctgcgg 60
tggaggtgtg aagtccccac ggcccagat acgttatgta tgttgcccat tgttaccccc 120
attgtctcct aatattcatt aatgacacgt acaaagggtc ctatccattc caaacgcacg 180
acccttctgt catggagtcc tgcctcacc tcttcttcgc gggcaaccag cccaattca 240
agaccgccgt tattgagggg gacttgcctt tgagaccgga cggcgaagac acagagatgg 300
gcgggacggc gcagaatgca gccgtcccta ccgttcgcct catctcgctt cccaagttcc 360
gggaaacggg tgagcttgtc ttggtggata ccgaaacgct gggggtagaa gtagtcaggt 420
ttgggact 428

<210> 21072
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21072

acttgtgtag attatgggca tcagcactag gaacagagcg atgcggtatt gatgatgatc 60
tgtttaggtt aggcggagac agtattactg ctttgcattc cgcagcccaa atccaccacc 120
agatcggccg aaaggtcact gttcgagata ttttcgacca ccctaccatt cgtggtattc 180
atgacaacgt tatggtgaaa ctcgttccac acaatgttcc tcaattcaa gcagagcagc 240
aaacagtact cggatgatgc cctctgctac cgatccaaac ttggttctta tcaaaatcgc 300
tacagcacc aagccattgg aatcacacct tctacctacg gaccctgag ctggacgtga 360
ctactctgag cacagcagtc gccgaattgc agctgtatca tgacgccttc agaatgcggt 420
tgaggcaaat agatggaagg acggtgcaat gcttcgcaga tgacatttct ccagtacagc 480

tccgagtgtt gaacgtcaag gatgtcgacg gaagcgcggc tattgaccag caactccaga 540
aatatcagtc tgacttcgac cttgagaaaag gcccgaatctg tgctgctgcc tacctccatg 600
gctacgagga tcgatctgca cgagtctggt tttctgtcct ccgcatcatc attgagatag 660
tgatctggag taatctagcg cacaaccccc ttatcctgtg ccagggtgta tctctcggtg 720
gtaagagtag cagcgtcagt cattgggtgt caggcactac tgtagctacc aggggtcggc 780
atcggagagg gcctactggg aaggacttct tgtgcaagct gctgcccgca tatectctta 840
acccccactg 850

<210> 21073
<211> 844
<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
<400> 21073

ctgctatata tgatcttgtt tccagtatcc aaaagagcga ggtatcacct gcaaccttat 60
atacgccaat ccccggtcca tttcgtggca gatagaactt ttgcgcogct tgtcaaattg 120
caatgttcgt attgatggct taacaatagg tgctggtgtt ccttccctca ccgtggcaag 180
cgagtatatt gagaccttgg gtctgcgaca catcagcttc aagccggggg ctgtggctgc 240
aatacgaaaa gtagtggaaa ttgcacgaga acatccagat tttccagtca tcttacaatg 300
gacaggggga cgcggtggtg ggcatactc gtctgaggat ttccatgccc cgatcatcgc 360
aacatacgga ataattcgac aggagcccaa tgtctacctt gttgctggga gtggcttcgg 420
agatagcgat agtgtttatc cttatctcac tggatcttgg tcagtagcaa tggggcacc 480
ggcaatgccg tttgacggta tattgctggg cagtcgcatg atggtggcga aggaagccca 540
tacctcaccg gcggtcagga gaatcattgc tgctactcca ggtgtgtccg acagcgagtg 600
ggagaagacg tattctggac cagcaggagg ggtaatcacc gtcacgtccg aaatgggtga 660
gccattata agatcgccac ccgcggtgtt tgtctctggg cagatttga taagactgtc 720
ttcagcctct cgcaagaga caggttgaca tatctggcg aacatcgtcg ctcaattatt 780
caaaggtaaa cgccgatttn gcgaaacatg gttggatgta actccgaggt gaggccgcga 840
tcta 844

<210> 21074
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21074

gataactgaca accacaagat tcctatctca acctctaatag tcctactgct ctccgattta 60
 tcggagtttc aggagggctc cacacttgct cggaacaag ctggccttcg atcggatata 120
 tttcgatctt tcaactgctgc caaagataca caggagagcta ttagggcggtt gaaaaaatac 180
 ggccctgaag agcctcagct atacgtggat gcgttgacat actttacatc gagcccgaag 240
 atcctggaag aggctggtga cgagctggat gctgtcctga agagaatctc tgaggatggc 300
 ctgatgtcac cactgcaagt gatccaagca ctacgaaca acgcggctcg aactatggga 360
 agggctcaaga agtattttaag cgacaatatc gagcgggaac gcaaggaaat atcttcagta 420
 tggccatcta cctttagctc gcatgaaggc cccactaaca cgcggttag aaccgtcgcc 480
 tgatatcaag ctacagcact gaaactgagg cgaaaatgca ggagctagaa cagctggggt 540
 ccaaaccctg tgtgttccag gcacgtcgat gtacgtcctg taacaggtct ctgatcttc 600
 ctaccgtcca cttcctctgc aagcactcct tccaccaacg ctgtctcaac acaataggag 660
 aagatgccca atgtccagcc tgtgcaccgg ataattcaac cataaaggct attcgacgga 720
 gacagattga gtcagcggat cagcatgatc tattcaaggc agagctccaa cggctcgaaag 780
 accgatttgg tgtaataagt gaatTTTTTg gaagaggtgt gatgcgtcca caaaccacga 840
 tggaatagaa 850

<210> 21075
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21075

agcaaggtat gtcgcagctg ttgctgctgt cactacgctc tgttatcatt tccccgggcg 60
 aaagctgcag tcgtcgaggc aatacgcagt ccatgaccag ccgaggctaa cattcaccag 120
 cattctttgg tggcaactca acaaaggcca cgtccggtat caacggtgct ctcaactgca 180
 cccaggctga cctcaatatc cgagacagtg tcaagcaatt ctacgatgac acattgaaat 240
 ccgcccgtga taaggctcgc cctgatctca tcaaagtcct cacatacaag tccgctgctg 300

ccgtagagtg gctgcaagat gtcttcaacc' tgcaccttac actggtttct cgtcttgggt 360
 aagtcgattc tggagtctat tcggtccagc attgtccgtt tgctgactgt cctagtggcc 420
 actcgcagcc ccgaacccac cgtggtcacg atgccaaatt ccctgggatg gccatcacat 480
 atgctctcat gcagcgcta gaggagctct ccgagtcgga ccccgaccgc gttcagatta 540
 tcaagaaggc tcgtgttacg gctgtcaaca aggacggcaa tgctgtcact ggtgtcacat 600
 ttgaggtgga cggtagagacg aagacggccg atggtgttgt catcctggct actggtggtt 660
 atgtgtctga tttcgggtgac tcgtcgctcc ttaagaagca ccgccccgac acgtttggtc 720
 tggccagcac caacgggtact cacgccactg gtgacggcca gaagatgttg atgtccatcg 780
 gcgcccacgg tattgatatg gacaaagttc aagtccaccc caccggtctt gtcgacccaa 840
 agaccccact 850

<210> 21076
 <211> 758
 <212> DNA
 <213> Aspergillus nidulans

<400> 21076
 tttttacccc caagcattga caaaccccggt ctctggcag gcgaatccta cgcacacttc 60
 tcgcccgtc caccagcgat ttcgacacag acaatagcca caaatccaga acatgactat 120
 ctaattctag gcattgatga agccggtcgc ggccccgtcc ttggggccaat ggtttacagt 180
 gccttttacc ttcccagctc tctgcaccac tcgtgtctgt cggaagagta cagcttcaac 240
 gacagtaaag ttctcactgc gggagtacga gcaaattctca tgcgcaccc tttgtacacaa 300
 gggtcacccgc tgcacgagtc gtgcggatgg gcgacaaagc ttctttccgc acgggatata 360
 tcatcgggca tgatgcgacc tgcagcggga gtgtacaacc tgaatgcgca agcaatggat 420
 gcaacgattg agctgattag ggggtgtgtg gaagagagaa aactgaacgt gcgagaggtc 480
 tatatcgata cgataggaaa tccagcaagt taccagaaga aactggagat ggtgttccca 540
 tcgctgagga tcaccgtcgc aaagaaggcg gactcgcttt atccttgcgt tagcgcagca 600
 agtgtggtgg cgaaggttac aagagatgtt gcgcttgatg tttgttatga agttctcaag 660
 gaaaatggag gagtgggcca tgggtggggg agcggatatc cttctgatcc aaagtgcgtc 720
 ggggtggattc gaactaacat gagattctgt ctttggtg 758

<210> 21077
 <211> 562
 <212> DNA
 <213> Aspergillus nidulans

<400> 21077

```

cccgagtccg aaaaagagaa aatactgcgg ggaaagcttt ttcgcgcatt tacccccgaa   60
ctaacggctg agcggacccg ttgccggcac gcttgactc gcttcaacac ggccggcgaa  120
gtctcgcgcc gacgccta at tgaactttat aaagagt gag aacggcgctc ctcttcaaac  180
ctacattacc gatgatggac ttgctgataa gaactcatag tataactcaa gacataacgc  240
ctctcccccc agccaaagaa gactccgctg aaacgacgcg atcctcgaaa aggaaccctg  300
gatcgagccg ccatttaaag tcgactacgg ctacaacgtg aaactcggcc aggggtgtctt  360
tatcaattat gactgcgtca ttatcgacac ccgtctggta accattggcg cacgaactct  420
attgggaccc aaggtaagct tatacagcgg aacgcacct ctagaccccg atttacgcaa  480
tggcacatcg ggccccgagt cgggaaagga gatccatatt ggcgaggact gctgggttagc  540
agggaatgtt actgtgttcc ag                                         562

```

<210> 21078
 <211> 592
 <212> DNA
 <213> Aspergillus nidulans

<400> 21078

```

aacaaaatgt ctgtcgctag aactgctggt tttgccctcg cctccgcggc catcgctgcc   60
ggtcacgggt atgtcacggg aatcgctcgt gacggcacat actacggcgg ttacctcggt  120
aaccagtacc cttacagcaa cgacccccct gcagttgttg gatgggctga ggatgctacc  180
gacctggggt tcgttgatgg ctccggctac acctctggcg atatcatctg ccacaaggac  240
gctaccaacg ccagggcttc tgccaccgtc gctgctggtg gcaccgttga gctgcagtgg  300
actgagtggc ctgaatccca ccacggtgag taaaaacttt agctctctga acatcgcat  360
cacttataca tgcaaaggtc ccgtcatcga ctacattgcc agctgcaacg gtgactgcac  420
aaccgtcgac aagaccaccc tcgaatgggt caagattagc gagagcggta ctcgttgacg  480
gcagctctgc cctggcacc tgggcctctg acaacctgat ctccaacaac aacagctgga  540

```

ccgtgaccat ccccagcagc ctcaccgacg ggggccacgt cctccaccac ga 592

<210> 21079
<211> 844
<212> DNA
<213> Aspergillus nidulans

<400> 21079

ctgatcggac agttctcctt gaaaggccga acggcgctgg ttacaggtgg tgggcgagga 60
tgccggccttg cgtttgcgcg ggggctcgct gaagccggtg cagacgtggc agtcttcgac 120
atcatcgatc cacggccaga gtttcacgcg attgagaagg actataatgt tcggacggcg 180
tattacaagt gagaactccc gtctccgcg aaccatttgt acgaagctaa cgacgcaggg 240
tcgacgtctc ctctcaggat tccttgaaag acggctttgc gcagttccaa caagacttcg 300
acggcaagct ggacatttgc gttccctgcg cagggataaa ccgccatacc tgcttccttg 360
gttttaccta cgaagaacac cacgatctgc tgcgatcaa cgtggtggga ctctacttta 420
ccgctcaata tgcagcgaag cagatgatag ccaacggcac gcatcacggc agcattatcc 480
tggtcgccag catggccagt tacgtcgag tgccgcacca gaactgctcg gcgactgtg 540
gcacaaaggg tgcagtgcgc gcaatgtgtc ctgctatcgc caaagagttg acggagtatg 600
ggatcagggt caactcaatc agtccggggt acgtgaatac ggagatgaca gggcggtttt 660
cgcatttggg ggaaggggtg aaggcggaga cgatcaacaa gaggatcgcg gagcccgagg 720
atatcatggg tgcttgtgtg ttcttggcga gcgatgccag tagttatatg acggggcagg 780
atatcgctgt tgatggggga gtgactagaa tctcataggt aatttgaaat cgattccggc 840
tgtg 844

<210> 21080
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21080

ataccaccat aaccaccatt cacatttatt atcgccagat gcttcagat ctgagtcgtc 60
gaagaaaccg gcagactgcc ggacctacgt taggggtgtg gaagatctat tgttcagct 120
acgtataaat gttgccgtag ccaagggatt tgaggagctc aagctgcctg ggcaacgtgg 180

atcggagtcc aaaaaatata tcgatctttg gcccatccag atgtctgctg aaataaacgc 240
 caacagtga acgaaacgaa acattttgac tacgaacttc gacacataca cactgatcct 300
 tcagctaggt tgcattctga atactgttcc ttcgtggaaa aaggcatata agctgagggg 360
 agctgttttc gtcgagtatg aaattgacgt tgaggatgag agaaagaggg ttgaaaccct 420
 ccttgagaag ttacggattg aagcggaat tctggctcttc tggctcgcat gcggtgattt 480
 gaaaacatac cgcacatag tcaatggaga ccccttcca gaatgtcagg acgtccacga 540
 gacggtccac aaagtactga agaataaaaa ttgggtgggag gatgttcagc gaggccgcag 600
 gagctcagac gagtcgttag gtttgagttt gatgaacagg tctaggagct cgtcccgttt 660
 tgatgtctcg agtcaggagc atcgccaggc acgcatccg ctggcgggcg ggggtcggaa 720
 gttgatacag tcttccaagc gcaggcgatc tatttccagc ttcagaggca tgggggggtgt 780
 taatttaggc atgcaaacac accgattgct agatgcctcg tcgatgatga cagtagtccg 840
 agcgacactt 850

<210> 21081
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21081

gccaatcaag ctaatgaaaa gggatttcct gtcccttgca agaaccggtt gagtatcaat 60
 gttgatattg tacgtatcaa gtggcctcct ctctagatga gatgctaact ggcatatgta 120
 gtgtaataag gtcgttgcaa cagcaaaaaa acggccacac ctcaagggtga tgtgaggatt 180
 ctctcggcgc ttcgacaagt cctaccgagc cgctacaga aagggtgaaa acggcctcat 240
 tggacgcccc tctatcctgc gctccagac gtgcgacaag cacgacccat ccgggtttta 300
 tgctgagtac gcctcttggg ctggcggcgt ctttgctgac atggccgtgc acgacatcga 360
 cctgacactt tggttcttcg ggtctgatat tatccccaag tccatctccg cgtacggaat 420
 cacggcggtg acgcctgac tgaagaaata caatgacttc gacaacgccg tcggcgctcg 480
 cgagttttac ggcggaaaaa tcgcgtactt ctactgttca aggatgatgg cgcacggaca 540
 ggaagacgtg acggagatta ttgggacgga agggaaactc tccgtgaact tgaaccggc 600
 caatgacttg gtcaattact accatgctgg tgggattaca cgtgaagtcc ctgcgaccta 660

ctggggccgc ttcgagcagg catttgtgaa agaaacgaat gaatttgtgg ccgcttgtct 720
ggacgatacg cctcttccca tgaagctgag caacgcggtc aaggcgggtgc agattggtgc 780
ttggttgcag gaggcactcg ttactgggag acagatcaag tttgatgagg caggaaggag 840
ggtggagagt 850

<210> 21082
<211> 770
<212> DNA
<213> Aspergillus nidulans

<400> 21082

cctcctcctc ctttaccgcc gggatggacc gagcaciaag ctccctcagg tttgtccata 60
tgatggtcac attaatggc tgttctgacg aaaccaggc cacacatatt actacaattc 120
acagacgaaa caatcaacgt atactagacc acaagccacc cctaataaac cctctttacc 180
cgcgccatt ccagaccctg ctgccaatgc cgcttcctt acgcccagaca cgctcccacc 240
atttctctct acaccgtacg cgctcaggg atacggcgcc tccccatttg gtgttcctgg 300
ttataatgaa ccgcggggcg ggtttcgcgg aggggaagtcc tatcatgacc gtcgaccgcg 360
tggaaccgaa gaccggccga aatcgaaaca tgccctacct ggggtgtgaac catgggtgct 420
tgtgaaaacc aaactgggga gaagattcgt tcacaacacg gaaacaaacg agagtttctg 480
gaagttcccg acagaagtac taaaagccgt cgtggagttt gatcgtctcg agcgggaggc 540
caaggaacgc cgcaacgtg gcgagacagc cgagaccgag caggcgacga cagctaccgg 600
cgatgatgcc aaacatcgac cggacagcgc tgctgcgact gagggtggtg acgaaagcga 660
cgaatatgag gaggttgaag tcacagacag cgaaggagaa gacgagagga atccatccaa 720
acggcaacga acagacagcg tagaaaacca acggcccgtt gaattcaccg 770

<210> 21083
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21083

ggaagcagtc tgcaactttc agactctttt tgcttttcag ccagggatga ccgagactca 60
ggggcagtcg ccgtacggcc atcttctcac cgcagagaat aaggacaaag tcgaagctgc 120

cttctacagc tatgccctca cattccagtg ctctctagca ggaaccggga taatcaaggt 180
 gctcgccctca tatgacgaca agatcatttc gagctcgcaa atgaaacgac tggtttttca 240
 gttcgagcat atagtatcgc agttgatcag tagcaatggc tccaagagat tgagcgaaat 300
 ccagctcatc tcgccccagg acctggacca gctcgacatt tggaaaagaa aaatggaaag 360
 ctacgagcaa ctcttgccct tggatgcat tcaacgtcat atcgacactc gacctgatgc 420
 gacagccgtc gctgcctggg atggcaccct ctctacgtg gaattagacg ctttcgccac 480
 tcgactagct acatgggttag tgcacgagca gaaggctcggg cccgaaattg tgattcccat 540
 ctgcttcgac cggtcacaat ggatgatcgt ctctatcttc ggtgtattga aagctggagg 600
 cgcctttcta cttctcgacc caatctaccc tgagaatcgc ctccggtaca tgatcaagat 660
 ggtcaacgcc cgaactatcc tcgtctccga atcgtgcaga gcgaggtttg agggagttcc 720
 tggtgccata ctggccgtga acgctgcttg gtttgaaacc cacaccacg catccattcc 780
 tatgagggaa ctcccagtag acagcgcatt gtacttgtct ttaccagcgg ttcgacgggc 840
 agcaaagggg 850

<210> 21084
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21084

aggtcggcga gtaggtggca accgtatacc cttcacgtc taccatcgac tgaccacttt 60
 atcatcgaat agtagtaacg gtgatggcga cgataaatct cagagtcaag agaagcgcga 120
 agagtccttg ccgatccccg gcaaggatgc gtttggttat cagaacagca acaccagcaa 180
 caccaacgcc atggcagtca acggtatgcc tgtgacaaca ctcacggaag cccaagccgc 240
 ccaacaagcc tcgcaaaatt cgacatacgc tcaattcatg aagccgaaat ttgcccgcgc 300
 gcccataaag gaagctggaa gggttgcata cttgggcgag tcatcgaatc tttcactctt 360
 ggttcaagac cgccatggaa cgaccgacgt ggtccattat tcaactgccta ccaacatacg 420
 aggttctcgc gcgagagtct ccgacttggg taatcttgag ttagatatcc tgcaccagcg 480
 cggtgctttc ctacttccgc cgaagtcggt gtgcgacgag ttagtgagcg cttacttcaa 540
 atgggtcgca cctgtcgtgc ccattgtcaa ccgcagccgg ttcatgcgcc aatatagaga 600

tcccaagaac ccaccttctt tgctcctttt gcaggccatt cttttggctg gttcgagggt 660
 ctgcaccaat ccgcagctca tggacgctaa tggctcgacc actccagctg ctatgacatt 720
 ttacaagcga gcgaaagctc tatatgatgc gaattatgag gatgataggg tgactattgt 780
 ccaagcttta gtgctcctgg gctgggtactg ggagggacct gaaggtgggt gccctaagca 840
 gaaaatggtg 850

<210> 21085
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21085

tccatatgat acgggactaa catcaaggaa caagtttgat aacgagttag ttcgtcgaca 60
 attggttatc aaccacggta tagagcagaa ctttcttattc gagaatctcg aagaggcgctc 120
 gtctgtgcta tttgacggtg aaaggccgag aaacgctaaa cgggtgctttt gtatcaacaa 180
 aagcgacaga cgctcgaggta ttcttctttc ctacagtaga aatgggggagc caagtcaggc 240
 ccctgtgtca gtttattctg gtagcccaag gatgaaatcg gatcgggatt cgcaaatacag 300
 gtaagaatca ctgttcccag tccagcatag tattgcggat gcaagttaat cttgtaggggt 360
 gcacgcgagg cggtagcgaa tctcagacaa gttctaaacg ctcgagaaga agaactgcgc 420
 tctgcccagt ctcacctcac cgctgtaggc aggctttcga acggaacgaa aggaagaaaa 480
 attttcttgt cattgaaagc cagagaaagg atgaccgtat tgaagagcta gaagaatccc 540
 ttcagaaaga gggtagtcag gacggagatc ttgaaatact tcaagcgtct ctgcgagaag 600
 ctcaagagga aaagcttacg catgaggggt ctctcgacga tgctgcgaac gccatgacag 660
 agatgatgca aaacttgaaa aggatcaaga aagaactggc gactaaggat gctgagattg 720
 ctcggttgaa agatgagctc agagtcgctg agagttagca atacttgatc gccgaccagc 780
 gacgaaaaag gattggcgag aaaaatgcag ccggcgagcc ggggtgccacc ccgactacgc 840
 agagcacgta 850

<210> 21086
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21086

ctcaggcata acaacaatta ccataaatcg ccctcaccgg cgcaacgcc ttgacgggcc 60
cactgcccag aaactcacgg ctgctttcct agacttcgaa gccgatgcat ctcagaaagt 120
gtgtgtcttc cacggcgcaa acggtacctt ctgcgcgggg tttgacctgc atgaggtagc 180
gaaatacgaa cccaagctc aaagtcaaga cggatccact gcaagtccgc aagacagcgc 240
aaatgttgga gacaagtaca ccggcccat tatgtccccg cacaaccgcg ttcaaggccg 300
caacaccggc ccaattggcc cctcacgcat gataatcacc aagccgggtca tcgccgcagt 360
ggctgggcat gccgttgccg gtggtcttga gctctccctt cttgccgata ttcgggttgt 420
cgaagaagat gccaccttcg gcgtgttttg caggcgcttt ggtgtccctc tcatagacgg 480
agggacagtc cggcttcagg ctatagttgg tctgggacgt gcactcgata tgatcattac 540
cggaaggccg gttggtgcga ctgaggcact gagatggggg tggcgaatcg ggtcgtgcct 600
cggggggctg ggggtggaaga ggcgatggga attgcgagac agatcgtggc tttccgcagg 660
catgtttaaa cgcggatcgg gcgagttgct attatgcggc gtttgaggct aagagtttcg 720
aggatgcgtt ggctaacgaa tttgagaagg gaattcgggt tctgggggat ggggtgaagg 780
gggcgaggag attcagggat ggggaaggga gacatgggag gtttgacgat gggggtaagg 840
gaatgctttg 850

<210> 21087

<211> 559

<212> DNA

<213> *Aspergillus nidulans*

<400> 21087

gtcaatcaaa tattattaac aaatcgatca cccacaccta attcaggcta cttttgggtcg 60
gatcaagtcg acgacgagac agctgccaaag gaatgggcgc tcaagattat tgtcaaccgg 120
ctccggggcca aagatggctc agatagtgac gacgatttcc gtgccacgc agagcctgtt 180
tatgatactc tgaataagct tattgtgaac tcaggcgagt tgtcaaaaaa gaaggacact 240
ccggctaccc agaagtcaag attgcggctt ctggccgcca attcattgct aaagctatgc 300
agctcacatg ctctgtgtga gcagctgctc actccgcaag atttcaattc catagctctt 360
gtagcgcagg atccacttcc agaagtaaga agcgggttta tcaaccaact gaagaagaag 420

cttgtacagg ataccggct gggcgacgg tggatatgtca taccgtactt gcttgcatte 480
 gaacctcaag ttggtttgaa ggatagcact ttgacatggc tgcggtctcg ggctgcatte 540
 ttctcccaac agacgaatg 559

<210> 21088
 <211> 333
 <212> DNA
 <213> Aspergillus nidulans

<400> 21088
 ggggctaata tccttgaaat cgtagccaat aagactggct atgtcaacta caaagttgac 60
 acaacgaacc ttagactcaa ccagacttat cccggccctc tctcgaatgg ggatttgtcc 120
 gaatactcgc cggatatggcc aaaccattg accgagggcg actgttcagc gggtcattgg 180
 atccttgaca cggtaagga gacatatgct gggactcagc ccacgtataa ctacaccagc 240
 cctttccctt acgattctaa gagtgggtac aacgaagatg ttgatgacgac ccgcaaaagc 300
 tcatagtcc atagcaacag cgactccgcc ggt 333

<210> 21089
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21089
 ctccgagtgc caagacccaa gccaggctt ccggcggcgc cgggacgac gctggcgctg 60
 gcagtagcac tgctcctgtt acggccctc ccgctccgc cgcgcgcaaa gcagtaccgg 120
 ctggtggcat gcaagccatt gaagaccgac aagcgcaagc ttttgagatc gttcgacat 180
 tgttgtcgag aatcttgaag atcgcttga cagatgtagt cgggacgcaa agtattaaat 240
 ccctttccgg tggtaagtag atttattgag ccctccgct gctgcaatgg attgatcaat 300
 ctaataacga atccaggctc ctcaactctg gagaacgaaa tcatcggcga tcttgccagc 360
 gagttcgggt ctctccctga ccgcgcgaa gacctcacag tcaacgacct cagcgctgct 420
 ctgcaaaaga cttcacagg ccagatgcgc aaggtaatac tgaaaatgct ccacgcgatg 480
 ttgcggtcaa aaatgcccg ccaattcacc gttgcaacgg cgcgcacata cctccattcc 540
 cgctggggct tgggtcttgg gcgtaagat tctgtcctgt tattggcgat tgcacagcag 600

cccgggagta gacttaaaga ggaggcggag gcgcggtcgt tctttgatgg gctcgtacaa 660
 ttctatgccg atgagcatgg tttgacgttg ggcgcaaatt cgggcgccgc ggatgagaca 720
 tcgggttttg ggggggggtt ggtgatggat cagaaaacgt tggcagctct gacagggggg 780
 cagcaggagc tgtccaaggc gctgttgaag atctatgcca aacatctgga tatcgatctg 840
 gatggggatc 850

<210> 21090
 <211> 378
 <212> DNA
 <213> Aspergillus nidulans

<400> 21090

gatccctatt ggaaatgtgc atgtcacgc aaaacctttc tattgctgac ctgggccaaa 60
 cagagcaagc actaacatac ctgaaaaatt cgggccttaa ggtggattgg ttggagcgta 120
 aactggagga agtaacggaa aagaagatcc aagagcacat tggtaagtct cggatgcaag 180
 gattagagga agacctgaag gtcttcaaga agaatttgat ctgaaataga agctctactg 240
 gagaaagaga aggaagaact caaggacttg aagcaaaagt gtcgggacac agaagctctg 300
 ctcgagaaag agaagacaaa ggtgttggcc gccgccagag ctccctctct aaccttggat 360
 gatgttgtct catgactt 378

<210> 21091
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21091

ttcccgttac tgagggtcct gttgagcgat tcgaggaagt caaggcgttt actgacacct 60
 acggcttccc catcatcatc aaggccgcct tcggtggtgg tggccgtggt atgcgtgttg 120
 tccgtaacca ggccgatctg cgtgactctt ttgagcgtgc tacttcagag gctcgtctcag 180
 ctttcggtaa cggcacagtc ttcgtcgagc gtttccttga caagcccaag cacatcgagg 240
 tgcagttatt gggtgacaac cacggcaacg tcgtccacct cttcgagcgt gactgctctg 300
 tccaacgtcg tcatcagaaa gttgttgaaa tcgcgccgc aaaggatctc cctcaaaacg 360
 tccgggacag catccttgca gacgctgtta agctggctaa atccgtcaac taccgcaacg 420

ccggtactgc cgagttcttg gtcgaccagc aaaaccgcta ctacttcac gaaatcaacc 480
cccgtatcca agtcgagcac accatcacag aggaaatcac cggcattgat atcgttgctg 540
ctcagatcca gattgccgct ggtgctactc tcgagcagct cggcctgacc caggaccgta 600
tctccacccg cggtttcgct atccagtgcc gtatcaccac cgaggacccc gctaagggat 660
tctctccgga cactggtaag attgaggtgt accgttccgc cggtggtaac ggtgtccgtc 720
ttgacggtgg taacggtttc gctggtgcca tcattactcc ccactatgat tccatgctgg 780
tcaagtgcac ttgccgtggt tccacttatg agatagcgcg caacaaggtc gtgcgtgcct 840
tggtcgagtt 850

<210> 21092
<211> 850
<212> DNA
<213> Aspergillus nidulans
<400> 21092

cttggaggag ttggaatgct ctgtattgtt gcaggtacct ggttcgtaac cgtaacccta 60
acttaatgcc caagaatgcg atggctaata gtataatgaa acaggcaaata gattctcaga 120
atgggtaccga agtctgggga ggtttttcac agaaaacttc tgagcacggg ttttaagggtga 180
cttgctcttt gtaagtcaca agcaatgtgc taacagagac agtgccccta tgcaataactt 240
ttccgtgaca gatagtggca caatcttgaa cagattcagc caagacttgc agctcatcga 300
catggaactc ccagtggcag tgataaacac atttgccagt aagctttttt cagcagatct 360
cattactcaa gtaacatgc tcatatagtc ctggttcttt gcatcttctc aatgattttt 420
atgggcatcg cctcgaaata cgcgcgaatc tccttcccca tcgttctctt ggtcatttac 480
gccattcaga aaatatacct tcgaacctcg agacaattac gattcctaga ccttgaggca 540
aaagcaccac tttattcgca ctttacagac tcactcggtg gcttagccag tctacgagca 600
tttgggtggc agcaggcact acaggaaaag cagtatcagc ttcttgatcg ctctcaacgg 660
ccgttctatc tctctatgc catccaacgc tggctcacac tcacattaga tctcgtgggt 720
gctgggattg ccgtattact cgttatectg gtggtcacgc tacggggaca gataagtgcc 780
ggctatgtcg gagttgcatt gctgaatgtc atcatgttca gccagagcat caagctgctc 840
gtgactttcc 850

<210> 21093
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21093

```

gaatcaggct gtgatggcca caccgcagat gggaagtcaa tccttcaatc accagcagca 60
gcaattcctt atgcaaaggc agcaactcct cgcacagcaa ggacagcatt tgaaccacag 120
tcagctcact ccgcaacagt tcgctcagtt acaggcaa atgcttgcg agataacat 180
ccagaaccag cagcagcagc agatgatgca gcagcagcag cagcaacaac aacaacaaca 240
acaacagcaa caacaaaatc accagaatca acaacagaag tttgccaatc cccagacata 300
ccaggctcag atgatgcgcg cgcaactcat gcagatgcag ctgcgccaac agcagcagca 360
acaaaggcaa cagcaatcac aacagcagca acaagcgag ccgcaaggcc agcaacagcc 420
acagcatcaa caaggacaaa tgcttcaaaa cagccctcag ctcaacgccc agcaacagca 480
gatgttgatg gcagcggcac aagctaacgg cggccaactc ccgcaaaaca tgcagggcat 540
gggtatgcag ccgcgaatga gtactccagc gcggtacaac cagctctatc agcagcggct 600
tttgagacta cggcaagaca tggtacgcg tctgatgcca cagtacggac caccacgca 660
atatccgcca caggttgcg aggagtacag tggtggcctt gaaaacgctg ctaagggctt 720
cgtgcaagac ctcatcgca gggagcgtgt cgagtttgct gctgctcaac agcgacaagc 780
ccaggctgct gccacgccc aggcagtgca gcaacagcag cacaacatga tgcagaatgg 840
aatgggcaag                                     850
  
```

<210> 21094
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21094

```

cgtcggtacg ctcatggctc gttcatacac gtctcctggc gagactggaa cttttctcgg 60
tgcgatcttt ggaacaggca cgaacggtgc ctacgtcgaa aaactcaaca agattaccaa 120
gatggccaag attgagcact ctgattacga caagtcaacc ggcgagatga tcatcaatgc 180
tgaatggggt agcttcgata accatctgag cgttctgccc actacggaat acgatcggca 240
  
```

gctggatgct gacagcaaca acccgggtat tcaaagtgtc gaaaagcgcg tctctggtat 300
gttcttgggc gagattctgc gtctggtctt gctcgacttg cacaagtccc aaggtctctt 360
taagccggct tcggggtcgg atgtcttcat ccagagtcg tcttccctct accgacaatg 420
gggtattgac actagtcttc tgagtattgt cgaggcagat aagagcaagg atttcgagca 480
ggttaaatcc gcgctgaagg accacctgaa ggttgagcgg gcgagcgaaa atgactgcaa 540
ggcagtccaa accgttggtc atgctatcgg caaacgtgcg gcccgcttg ctgctgttcc 600
tattgccgcc accctcattt ccacgggcaa gctgaaggaa gagctggtgg acatcggcgt 660
tgacggcagc ctggttgagt tctaccccaa ctttgagggc tatatgcgtg aagccatgcg 720
cgaagttcct gaggtcgggtg atgcgggaga caaaaagggtg cggataggta tctcaaagga 780
cggcagtgga gttggcgcgg ctcttattgc tctcgtcgca agcaaagagg ggacaaagcc 840
cccgctgtga 850

<210> 21095
<211> 850
<212> DNA
<213> *Aspergillus nidulans*
<400> 21095

tgattgcaag ttttacgacc tggccgatgc tttgactcac attgccaccg gcaatgaaaa 60
acgaagctac tgcagtgtca tttgcaaaca gggtttcgtc cctgttggtg ttgacggtag 120
cgttaaaggc tggcaggaag acttcttggc ccaaatcggc ctgaaggatc tcacagaaga 180
caatttcaag cgcattggcg gcgtcgacgg ggtggtgagc ctttttccat agctccggat 240
actgaaagct gaccgttatt ttagaatgga gattatctta gtgcgggcga acttggtggc 300
aaactgtgtg aaaaagcagc agcggatctg ggattgcccg ctggaatcgc cattggcagt 360
ggcgtcattg atgcttatgc cgggtggatt ggcactgttg gcgccaaagt cgaactcgag 420
tcggaacaat tgacatcgga cgccgcaaag aatgatatta ctcaggcggtt ttcccgctctg 480
gcggctgttg ctggaacgtc aacctgccat ttggccatgt cccctgagcc tgtattcgtc 540
ccaggtgttt ggggtccata ccgcgacaca atcatacctg gattctggat ggccgagggc 600
gggcagtctg ccaccggaga gctgctaaag cacgttattg agactcacc cgcctacaat 660
caggcgcttt ctggtgcgga atcttacaac accaatattt atgaatacct caatgaacat 720

ctgagagaga tgatgactga gcaaaaggcg ccgagcatct cgtatatggc tcgtcatatc 780
 ttcttctatg gtgacttatg gggaaatcga tctccaatcg ctgaccctaa tatggcgggt 840
 tcgattattg 850

<210> 21096
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21096

agacaagacg gagatactcc tcgtccataa ccctgaggac cctttaacaa atgcagcagc 60
 atcctctctc atctatcggt ccttgaaaga aggaaatggc gttgattcta cgcgcatttt 120
 ggcggacatt acatcgtcta cctcgtcaga cgtagacgca caagaggcgt ccgaattttg 180
 gttaaaattc caacccttgg ttgaggcact ggggtctttca tctggtatga acggtatcat 240
 cgccaatggc cgagtcacga agcccagcca ggacgtaacc gcagaagatc ttgggtcaact 300
 ttactctac gaagacatca accgaattgg gcctgtcacg aaggctgcga aggatctggg 360
 actcggctct agaatacccg atccgctgtc atttgcgaaa ctacttcac tcatggccat 420
 ttcaacagtg tctgatgttc ctgagggttt atatgaaaca tcttctgatg tgcgggttaa 480
 gttcttcgag gagtggaatg aatccagttc cgtaattact gttcccggcc ctgaagacct 540
 cgtgataacc atcagtgcgt ctcttgacct aacgtcagaa atggcccaac gatggctacc 600
 aattctgaag gtcatatctg accttgacgg tgtcaggctg agactcttca tgaatccacg 660
 ggatgagctt cgggagctcc ctatcaagcg cttctatcgc tatgttctag acgcgcaacc 720
 ttcattcagc caagacgggt ctgtttcacg gccgactgct accttctccg gactgcctgt 780
 tgaagcattg cttaccctcg gtatggacgt cccaccgtac tggctcgttg caccgaaaga 840
 atccatacat 850

<210> 21097
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21097

ggtcggaaag cggccgctgg gcccgatgaa ctagtcgaga tgcgtttcta cattccccga 60

actgcggtca agacggagaa tgggtattaaa ggggagaacg cggacgagaa gaacggagga 120
gaaggcgagg agaacggcga ggagcagaat gctgccaatc tgttctacga gttgctcatg 180
gaaaaggcag agattggaga tgtggctgga gacacatttg ctactttcct ggatgttctc 240
caccttacac ccaggtatgt tttatgcagc agctttgtct ccgaatggta ctaataatct 300
gctcagaggt cggttcgaca tcgatatgta cgaatcttcc ttccgattgc gcggaaagac 360
atacgactac aagattcaat attcctccat taagaaattc tttctactcc ccaaaaatga 420
cgatacacac actctcattg tccttgggtct tgagcctccc ctccgtcaag ggcagacccg 480
ctaccctttc ctggaatgc aactgaaatt agatgaagag atcagcctcg agcttaacat 540
gacagagttc gttgtcacgg ctatttttaa atgggtacttt actaatcacg cataggggaa 600
ttctcgaaac tcgctacaaa gacaaactgg agccacgcta cgaagagccc atccaccaag 660
tcattacgaa aatattccgt ggggttatcag ggaagaaggt catcatgcc a tcgaaagact 720
tcgtcaggtt agtgccccgg ttataccaac tagtgcattg ctgacaactt ccaagccacc 780
acggacacag cgggtgtcaaa tgttcaatca aggccaacga aggtctcgtg tcttcttaga 840
aagagcctat 850

<210> 21098
<211> 745
<212> DNA
<213> Aspergillus nidulans
<400> 21098

atgaagctcc tcacgaagga agaagaaaat gccactccc cggaagtcgg gcgccaccgc 60
gatgcctcgc aattcaacca gcgacaccta aagaaaaccg taactaactc ttattcatag 120
tgaggtgctc aaggggtggct cttttggtac agtcctgggt ctcatcgggt gctatgcagg 180
tgtcttggcc gcatcccgcc gctatcacac tatccgcaac ctcacacttc ccatgaaagc 240
atttctcgtc acatcttccg gaaccttcgg tgggattatc ggagccgacc gtcctcccg 300
cagcttctaa gctgcgcaaa accagaaccg acaatggtag gaaaaccgcg aggagcgact 360
gcgcgcccag gaacttcgcy gtatgagctt tagcgatcgc gccctcgcct gggctaggga 420
ggaacgctac acaatcgttt tctcgacatg ggttgcttcg atgattggta gctttgcct 480
tgtcggggcg aacccttatc tttcggggcc tcagaagctc gtccaggctc gtgtctatgc 540

gcaggggtgct acgcttgccg ttcttatcgc cagtgcgtgca ttcgagattt ccgagaggag 600
gaggggtcaga cgggagcttg atgcgaagtc tgcgagtgct aaggcggact ctaagttgag 660
taacaacact ggtgaagata ccgagctatg gaaggacatg gtcgctgctg aggagcagcg 720
gttgaagaac aagcaccagt cgctc 745

<210> 21099
<211> 841
<212> DNA
<213> Aspergillus nidulans

<400> 21099

cgttcggatg atccccagta ccatgatgat cccgaattcc agcggttgac cgagtcctta 60
tcgaaccagc tattcacact cacttcaaac atcaccogct tgcggtatca gattgccttc 120
cttgggacaa agcgcgacac tgaacgggtg cgagaaagag ttcataatct ccttgaacaa 180
accgtaccg gattcagaga cgttggcgag gggatcaaga aggttcagaa ctgggaagac 240
gtcaatgtat gtccttaaca gctgccacaa ctcatcattg cctgggcgct ctatctaata 300
aacttctatg agccctcgca aaaatggaca cagcagaaat tgtcaacaga gttcaaggcc 360
accttgaggg aattccagac catccagcga cgggccttgg agaagcaacg cgcttctgca 420
gtcgcggcac gcaccgctgt ggaggaggcc gggcattcga cagaggatga cgctcagcag 480
cagcagcagc agcagctcct cgaagtagaa cagccacgcc tagcgaatca agacgaagtt 540
gatttccagg aagctctaata catcgagcgt gaagcggaga tccgcaacat tgaacaaagt 600
gttggtgaat tgaacgagct gttccgggat gtcgccaca tcgttcatga gcagggagag 660
caactagaca ctattagcgg gaacgtcgag aacgttcatg ctaacactca aggcgcgaat 720
gttgagcttc gcagtgctag ccggtaccag aagaacgctc ggactaaggc ttgctgttta 780
ctcataatcc ttgccgtcat tttggctatt attatccttg cggctgttct tggatagaca 840
c 841

<210> 21100
<211> 670
<212> DNA
<213> Aspergillus nidulans

<400> 21100

tcaaccatga aagccatcgt cactgagaaa accggcggcc ctgaggctct tgaagtccga 60
 acccaccacc cggccccac cgcatacagaa ggccagctgc tcgtgaagaa ccagattatt 120
 ggaatcaatt atatcgacac ctacttccgc actggcctct acccatcctc caagcctgaa 180
 atcctaggcc gggaggccgt cggcgaagtc gtggccgtcg gtcccgggtgc caatccttac 240
 aacttccaga ttggcgatcg cgtggcttgg ctatccaccg gctcgtacgc agagtacact 300
 gctgtcccgc aggcgttcgc agtcaagggt cctgagggga tatcgaatga ggatgtcatg 360
 ggttcctttt tgagcgggct gacagtgttg acgctcgcga aggagacgta tcccgtccag 420
 agaggggatt ggggtgctgt tcatgctgct gcagggtgtg ctggatttct catgacgcag 480
 gttctgaaga gcattgggtgc tattgtcatt gggacggcag gaggaccgga gaagggtgag 540
 cttgttaaga gcttaggtgc ggattatgtg attgattatc gtagtgaaga gggcaaagat 600
 tgggttaaga aggtcaagga gattacgaat ggcaggggtg ttgatgttgt ctatgattca 660
 gttggcaagg 670

<210> 21101
 <211> 455
 <212> DNA
 <213> Aspergillus nidulans

<400> 21101

cgttgtcgat tatggttggc ggtgatgaag cggatattga acgtgttaaa ccgctgtttg 60
 aactgctcgg taaaaatatc accctcgtgg gcggtaacgg cgatggtcaa acctgcaaag 120
 tggcaaatca gattatcgtg gcgctcaata ttgaagcggg ttctgaagcc ctgctatttg 180
 cttcaaaagc cgatgcggac ccggtacgtg tcggccaggc gctgatgggc ggctttgctt 240
 cctcacgtat tctggaagtt catggcgagc gtatgattaa acgcaccttt aatccgggct 300
 tcaaaatcgc tctgcaccag aaagatctca acctggcact gcaaagtgcg aaagcacttg 360
 cgctgaacct gccaaacact gcgacctgcc aggagttatt taatacctgt gcggcaaacg 420
 gtggcagcca gttggatcac tctgcgttag tgcag 455

<210> 21102
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21102

actggagcta aatatggcaa ccaaaccatg gtggacggca tegtgaagga tggcttgacg 60
gacgtgggca agcaggagct catggggcta caagcggaag agtgtgcgca ggaccacggt 120
ttcaacaggc aacagcagga tgattacgcc atccgatctt acgagaaagc tcaagctgcc 180
caggctgctg gtcttttttaa cgatgagatt gtcctattg atctaccgg ttttagaggc 240
aagcctgggtg ttactgtaac tcaggatgac gagccaaaga acgtaagact tcaagctgtc 300
actctatacg tatacagctg ctcacctact ttaacagctc aaccatgata agcttcgcg 360
tatgaagccc gcttttatcc ctggcaccgg gacagtgaca gctcccaact cgtctcctgt 420
taacgacgga gctgccgcag ttgttttagt atccgaggcc aagttgaagg agcttaacct 480
gaagccggtc gcaaagattc ttggctgggg tgaggcggca cagcaaccca gcaaatttac 540
aactgcccc a gactcgcaa ttccaagggc gctcaagcat gccggtgtct ctcaggatgc 600
agtcgatgca ttcgagatta acgaagcttt cagtgtagtt gccctcgcta acttgaagct 660
ccttggactt tctgaggaca aggtcaatat tcacggagga gccgtggcta tcggtcaccc 720
tcttggtgcg agcggtgccc gtatcctgac aactttactc ggagtcctca aggctcggaa 780
gggcaagggtt ggctgtgcag gtatttgcaa cgggtgggggt ggtgccagtg ctctggttgt 840
tgagtacatc 850

<210> 21103

<211> 565

<212> DNA

<213> *Aspergillus nidulans*

<400> 21103

aaatgaaagt ccgtgacatc cttaacaagt cactagaatc catcgttcac aaccggaaaa 60
aggaccagga aactacgacc ggtaaatggg tctcagccct ggtcagcgag aaccctggt 120
acaaagacgt tgtccctgat gtacgcttat acctcatatg cacacatatg gcttactaac 180
aattcagttc aaaaaccttc caaaagacca attggcgccc ggtgttgaca acgcgacggt 240
cttcacctca gtctgcatca aactgcgggt atatctaccc tggctagtcg gccaatgccg 300
taagaacggc gcagtgttca agcgggcagt gttcaagcat gtctcagacg cagcgaatgc 360
tcaccattcc gggcaacccg ccgatattgt cgtgaactgt accggcctag catctaaaaa 420

gcttggcggg gtccgcgacg acaagctcta cccaggctgt ggacagatcg tcattgtccg 480
 caacgatcct ggtaaaatgg tttccatgtc aagcacttat gacggtgagg atgaacttat 540
 gtacatgatg accccgtgca gctgg 565

<210> 21104
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21104

ggattgctgg cagaatctac acaaagcgtt catctggtgc gaagctgatt ttttacgata 60
 tccgagctga ggggtgtcaag gtgcagggtg tatgccaggc tcagaacgct tcgggcgctg 120
 tttcgtttga ggaccagcac gagcacctcc ggagaggcga tatcgtcggg attgtcgggt 180
 tccccggccg cagcaacccc aagaaccgac cggacggaga gctgtccatt tttgcgaccg 240
 aggtggttct gcttgctccc tgccttcacg ccattccttc cgagcactac ggcttccaag 300
 acaaggagca gcgctaccgc cagcgttacc ttgacttgat catgaatgac aagtctcgca 360
 acgttttcat taccggttcc aagatgggtc cgtacattcg caactttctc gaccagcggg 420
 actttgtcga agtcgagact cctatgatga acgccatcgc cgggtggtgcg acaggcaagc 480
 ctttcatcac ccaccacaac gaacacgaca tgaacctctt catgcgtgtc gcccccgagc 540
 tgtacctcaa gatgctcatt gtcggaggcc ttgagcgtgt ttacgagctt ggccgtcagt 600
 tcagaaacga ggggtgtgac cttaccaca accctgaatt cacaacctgc gagttctact 660
 gggcttatgc tgatgtttac gacgtcatga acctaacgga ggagcttgtg tctggcctgg 720
 tcaagcacat cactggtggc tacgagacca cttccacac acagactggc gaggaataca 780
 aggtcaactg gaaggccctt ggaggcgagt ggagatgatt ccgctctaga ggaagctact 840
 ggcgagaagt 850

<210> 21105
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21105

tgcgcataat cccaccagcc tggaccata tatcgagcaa tggaagcaga tatgggacat 60

catcaaagag cgctcgactat tccccatctt cgatgccgcg tatctaggcc ttaactctgg 120
ggattatgat aaagatgcct gggcgatacy gtatttcggt aacgagcaaa aagtagagtg 180
tgcagtctgt ctgagctttg cgaagaatat aggactttac ggtaccgatc ctctttatcc 240
ctcttctgac tcgtgttgaa atctagaggc cggctaacag agccaggcga gggcgttgga 300
cgcataattc tacagccgac cccgttttcg cagtcagtgc tcgaatcgct gcagcggtca 360
gagatctcga acctgcccgc attcagagca aagatagcag aggcaattat gtctgatgac 420
atgctcaaaa atgtctggct tgaggatctg aagactttga gtggcgcaat tgcggagatg 480
aggagggcgt tctcgacggg ctgaccggat acgctatgtg tctgatgtct actgagattt 540
tcaaattggct tttgcaagta cggtttgctg agtaggaaac tgactgcgac tgctgcagca 600
tccgctaaca gttgggacta tctgggttaga cagtcgggga tgtttggatt cttggggctg 660
gagaggcagg ttgttagaat actcaagggt gagtccgctc tgccattcgt tgacgggttg 720
tagactaata acataagacg aatatcacat ctacatggcc gagaactcgc gaatatcgag 780
tgctgggttg gattcaggga tcgttgacta tgtggcacgg tcgatcggag aggttctact 840
gagaatgtag 850

<210> 21106
<211> 850
<212> DNA
<213> Aspergillus nidulans
<400> 21106

cgctgcaaat ttagatgaag gcagtcgcaa gagttctcgg caaaagacta cgctcgggtg 60
tcgcaagggtt ggcgaggctt cagaggctat tgaagcatac aagagacagc gagagcaaaa 120
gggcaagcgt gacgaactgc gccgccggga tacggcgaca aaggaccaca agtcaaagtc 180
tcgagtatct gatgaggatg ctgatggaga gagtgaagtt gaatgggatg atcgcgaaacg 240
ttcacctact cctccaaagg atgaccgcgc ggctgaactt cgagatattc agcgagctcg 300
tgtaggcagg accaactttg cacaagtgtg cttctatcct ggattcgaag atactatggt 360
tggtgtctat gtccgtctta acgtcggacc aaatcctaac ggggtaaacg agtatcgct 420
tgcaatgata acaggtgagt cataactaac aatatagtag ggggtggcgaa ctaatggttc 480
tattagagat caaagaagga aagaaatacg ctctggaggg agccaacggc cggacattca 540

cgacagacca gtatgctgtt ctgcccattg gcaaaaccac acgcgcgttt cttttcgttg 600
 cttgctccga ctccccgttc accgaggtat gccgtagctg tactttgtac atggccttgg 660
 ctgacacatc aacaggcgga attcaaccga tggcgacagg taatggcagt tgaggattgc 720
 aaaatgccc acaaatccca gcttgctaaa aaagttatgg acatcaaccg tctgatcaac 780
 catcagttca cccccgaaga actgaatgag aaattgcgta agcaagggtt gctagatacc 840
 aagacaacat 850

<210> 21107
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21107

aggcatttat cacggcgacg tcttccagaa tcttgtttca atccaatcta accgaggtcg 60
 gtccctgtgc actttgcgag ttgccgatac ggcattctca atgccgcatg gtgttgagca 120
 gccttacgtt ctacacccaa cgacgttga ttccattttc caggccgtat actgctctct 180
 gcccaaccagt gcgcttagga gcaacgcagc catggtgccc cgagcattca agcgcatgga 240
 tttgaggacg gtgatgtcca gcacacctgg tcatgttttc caatctcaat gcattgtgca 300
 tcggggccagt ccccaggga tggaatcttc tgtggtggtt tctgacacca ctagcgaaga 360
 tcccgctctc acggtggacg gcctatacta ccagtcactt ggggctgcgc cacaggctga 420
 tggtgagaag aacgatatac aacacaatta cacgttgcaa tgggcaccgg atatctcctt 480
 ccccatccct agcactgtga aggcagcgct tcaattcgct gccaatctgg atgagattga 540
 tatcattcat gacatccgag aagcgtgttt ctactttata cggcgtgcat tggccactct 600
 caccgaagat agggctctga aactgaattg gcaccagcaa cggctccgcg catggatgaa 660
 ggtgcaaata aaattggccc agttgaatga actggggccc gcaagctctg aatggttcat 720
 ccaaccgcta gccatcagc aaaatctcat taatcgagtt cgagtcgcca gtgtcgacgg 780
 cgagatggtc tgtcggattg gggagaatct tcttttaatt ctaagcagcg aggtagcccc 840
 atgcagctga 850

<210> 21108
 <211> 514

<212> DNA
 <213> Aspergillus nidulans

<400> 21108

gctggcacta gaaactatga ctttctggta agtggtgcta gatgagttat tacaacgtca 60
 cccgcgctga gactaatttg ccacagatca aattgctggt gataggagac tctggtggtg 120
 gaaagtcgtg ctgccttctg cgcttcagtg aggattcggt cacaccatcg tttatcacga 180
 cgattggtat cgacttcaag attcggacta ttgaattaga tggtaaacgg gtaaagcttc 240
 agatatggga cacagctggg caggagcgat ttagaacaat caccacggct tattacaggg 300
 gtgcgatggg tattcttctt gtttacgatg tcaccgacga gcgttcattc cagagtaaaa 360
 taaccccatc ttacgttctc ccatacaccg gtcgctaacc caagtcacat cacagacatc 420
 agaacatggt tctcgaacgt cgaacaacat gctagcgagg gtgtcacaag accttattgg 480
 gacaaatgga ctgggagaga gagactgtac acgg 514

<210> 21109
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21109

cgaggcttgc ctgtacacgg caaaagcctg cttttcgaac ctcagctctt atggcgtaaa 60
 gaaaattctt cctactctcc ttgaaggctc cgacgatacc caatggcgta cgagaagggg 120
 gcatgtgatt tgctaggagc catggcctac cttgaccgcg agcaactcgc cgtcagctctg 180
 cctgagataa tacctccact gactgtcgtg ttgaacgaca ccataaaga cctgagat 240
 gctgcgaacc gcagtcttca acgattcgga gaagttatca gcaatcctga aataaaatcg 300
 ttggttaatg tattgctgaa ggccctgagc gatcccacca aattcacaga tgaagccctc 360
 gatgccctta tcaaagtctc cttcgtccat tatctggacg caccatctct ggctcttggt 420
 gttcgcatcc ttgagcgtgg tcttggcgac agatcagcga ctaagcggaa gtctgcccac 480
 attattggca gtctggctca ccttacggag cgcaaggacc ttatcactca cctgcctatc 540
 atcgtttctg ggctcaattt ggccatcggt gatcctgtgc ctacaactcg tgctactgca 600
 tccaaggccc ttggttctt aattgagaaa ctgggagaag atgcgctgcc ggatctcatc 660
 cccaacctta tgtctacgct caagtcagac acaggagccg gcgaccgttt gggatccgct 720

caggctcttt cggaggttct ggcgggtctt ggcacaacaa gactcgagga gaccttgcca 780
acaattctac agaatgtcag cagctccaag gccactatcc gcgaagggtt tatgaccctc 840
tttatctact 850

<210> 21110
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21110
attcaaggaa ggcttgaaga aagaaaaagt ccaaaagcgt attgcaactt tggagcagaa 60
attccagggc gtgaagctta tggtaggcgt tgaccggctg gattatatca agggcggtcc 120
tcaaaagctc catgcccttg aagtattcct gagtgaccat cctgaatggg tgggcaagg 180
ggttcttgtc caggtcgccg ttcccagtcg tcaagatgta gaagaatacc agaatttgag 240
ggctgttggtg aacgaattgg tgggcaggat aaacgggaaa tttggttagt cgctcctact 300
atatgcagcg agttcattct gactgtaatc aggaactgtc gaatttatgc cgatccattt 360
tctccacaaa tcggtgaatt tcgatgaact cattgctctc tacgccgtgt ccgatgcatg 420
cgtcgtttct tccacccgag atggaatgaa cctcgtttcg tacgagtaca tcgctaccca 480
ggagaagcgc cacgggtcgt tagtcctgtc tgaatttgct ggtgccgccc agagtctcaa 540
cggaagcata atcgtaacc cttggaatac tgaggagctt gcagcggctt accatgaagc 600
cgtgacgatg agtgatgaac agcagagcgt taacttctcg aaactggata aatatgtcaa 660
caagtacaca aggttagttt ctccctttcac tggctctaaa cagaatcatc ttgctaattc 720
taactagtgc cttttggggc caatcctttg ttaccgaatt gacaagaatt tcggagcaag 780
ccgcagggaa acttcccacc aaagagactc ctgtgaacgg agagacgtca aagctagaga 840
ttcgtcacag 850

<210> 21111
<211> 345
<212> DNA
<213> Aspergillus nidulans

<400> 21111
ctcctccata aacagcgcga actgttcaat gcaccgtctc tggcggctct tggccgacg 60

gaggtggtgc ctggtccgc agtacagact gatgaggaca taattaaatt aatgagggag 120
atcttgacgc cttcgaatgg gcatcaatgc tgctcagcgc ccatgatgcc gcgagaactc 180
ggtggtgtac tctcgctga gatgaaagtg tacggtacta ctggattacg tgtcattgat 240
atcagtcact ggccgaagga actctctggt ccgcccattg catctattta tgcagctgga 300
gagaaggttc gttttatgtc taaatcctcg tccagtttcc tgcta 345

<210> 21112
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21112

acggggatcc ttcaggagaa cggcaaagtc aagggggtga ggacgagcag tggggaggac 60
ttgtacgccg acaatgtcgt ttcgtgcgcg ggcttctggg gcgtcgagat tgggaggatg 120
gctggggttg ggatccccct gctgccgctg gcacatcagt acgcaaagac tagtcctatc 180
ggtgaactga gcaaccgtga tgcgaacagc cggatgaacg ggctcaatgc gactctgcct 240
atcctgagac accaagacca ggacctgtat taccgcgagc acggcgaccg agttgggatc 300
ggctactacg gacacaagcc catgcctgtc gacgcgaggg ctctcggtgc gacaccaag 360
catgttgacg aaaaaaatat gccatcgaga ctcgagtca caagtgagga ctttgcgcca 420
gcatgggagg agacaaagaa gcttctccct gcgctgcgaa acgcacaggt tgacgacggg 480
ttcaatgggg tcttttcctt tacgccagac ggtgggcccc tagtcggcca ggcgcccaat 540
ctcgacggct tctttgtggc ggaggccgtc tgggtaacgc actcggccgg tgtggcgagg 600
gctatggcag agattctcac gaaaggggtg ttgagcattc atgtttcgga gtgtgagcga 660
tcacggtttg agcgtgttca gctgaccagg tcgtatgtcg aggaggcatc gcagcactgc 720
tttgctgaga tctaggatat catocatccc ctgcagcaga gggcacgtcg cccaggaatc 780
tgcgagttag tccattaaaa gcgcagcaga tgcagctcgg cgctgtcttc atggagctag 840
gaccctggga 850

<210> 21113
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21113

tttaacgcag gcgtcatgga ctacgcaaag tccatgccag cccagcgacg attcgtccac 60
aacacctccg cgagcacttc ccaagtcccg tctgcaacat cgacgcccac tcttggtggg 120
agcaacgaac agaagaagaa gcgccacgat gtggacatcg tatactctca gcttgccaat 180
actggaaccg ggaaggatat catgacgcag gtcgtcttcg ctattgaaca tatgaagagc 240
aaaggtgtac cgcttacgtt caacgatatc gtctcctacc tctcattgca gcaccgggca 300
aatgaccaag gctatgttca ggcgttgccg agtatcctgc aaatgcacga aaaggttcaa 360
tacgattcct agtgggggcta atggagaggg tacattcagc tttcgtccgc cgcataacat 420
ccgcactgct gagcagctgc tccaaaaact gcagtcacaa tctactgggg taggaatgag 480
cgttcgggaa ctccgggaag gttggcccaa tgtcgaggat acgattaaca aattggagaa 540
ggagggtaag ctgctcgтта cgcgaaacaa gaaggacgat catgcgaaga tgggtctgggc 600
caacgatcct tctctgatcc agcacttcga cgacgagttt aagcagatct gggagaagat 660
caaaatacct gagcagcagg tcgtcaagga ggagctagag aaagctggta tcaactccaac 720
caacaaaaac aaggtcatca agccgcggcc aaaggttgaa cataaaaaag tgaaaaagcc 780
tcgtcgcagc ggaaagacta ccaatacaca tatgatggga gttctgcgtg attactcgca 840
tctcaagcgg 850

<210> 21114

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 21114

tcagaacttc tttggcaagg gaaatcgagt ggacgttata gggaaatcata cgttcgtctc 60
tgtagatact gtttcgttga gtgcgatgga ccaaccagat ccccgtagtg gaagtacggg 120
tgggtggaaac ggagatggcg accggccaaa ccaggagatc tggcaagagc cggaagattt 180
tctgaatgcc atgaaggtag accgcggtcg cgccgaggcg gacgaactgc gtttcatggg 240
ggaaccaaga aagggtcggc tgttcaagca tgaagtttcc gaagtctcaa agccttcgat 300
ataccgagaa gatgaccag agattatcgg atttcgggt atccttctgt cgcacgtgcc 360
gttgtagcgc aagccagcca cgccttgtag accactcaga gagcgatatc ctccctccgc 420

agatggctta gaagaggacg agcaaaacgc gcttaagatc agtggcggat atcagtatca 480
 gaatgtcttg actaagacaa tctctaacga catagtgtcc aagattgggc ccaacctagt 540
 ccaggtatac tctggcgatg accatgatta ctgcgagatc tcccaccgcg agttcagcgg 600
 ttcgccgaaa gagatcactg ttaagagtat atcgtgggca atgggggtcc ggaaaccagg 660
 ctttgcctg acaagtctct ggaatcctat cgaccctacc accgggacct ccatcgagtc 720
 ttccagccct ggaagcacca tccaaaacca cctctgcctc ctccccgacc aactttccat 780
 cttcatctac tacggcgta tccctagcatt cacccttacc gttcttctcg tgcgagccgt 840
 catcctcgct 850

<210> 21115
 <211> 304
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 21115

cacttggtga gcataccgcg tatgaaagcg gagtgggtg tctgcntgca tggagtatag 60
 caaggtgtac aatcctttgt tcaatgcggt ctacaagcag tgtagtttta gtgccattcc 120
 cttgatcggt cagttagtgg cagaagaccg tgagagctac cagtatcttg tgtagagtat 180
 cgagaaattc cccagccagg aggaattcag agggatgatc cagaaagctg ggttcatgat 240
 ccctgcacga ggattttaga tcctcactgg cggtattgct gctattcaca agggcatcaa 300
 tccg 304

<210> 21116
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21116

caatggcaga ccgcctatgc cagtaaggat gatgcatcta ccatgagtaa gggcgccgcc 60
 cgtcgagaag ggagtaccgg cacacctggc gcaactactg tatatacctc gtccggtact 120
 acgccgacct ctacaacccc cgccgcagga gtcgagtcac aaaagaccgt cgtcgctct 180
 ggcggtggcc agacctggac cgacccgacc ctgctcgagt gggatccggc ccatttccgt 240

ctttttgtcg gtaaccttgc gggcgaggtc accgatgatt ctttgtttta ggcattctcg 300
aaatacacat ccgttcagaa agcgcgcggt atccgcgaca aacgcacgca gaagagcaaa 360
ggttacgggt tcgttagttt cagcgacggc gatgactact tcaaagctgc aagagaaatg 420
cagggcaagt atattggatc gcatcctgtc ctctccgac gcgcaactac cgagggtccg 480
cccgtttcca atacaaagaa 500

<210> 21117
<211> 333
<212> DNA
<213> Aspergillus nidulans
<400> 21117

tatgtatata cacatacgat ttaggtgaca ctatagaata ctaggatcag agctcgcgag 60
acgctgcgcg tgttcctgaa tcggcagacg catgagaagg accagggagt tatcctggag 120
atgtgctacc accctcttcc ctggacggat attgcgcaga tcgcccagga tgcgcggtgg 180
aaggttatcc ttggctcgga ggcgctcatc tggcagggtc tcgagcaggc gaggctctgg 240
accgggaaag atgtagttag tgagccgggg ttagtggaga aggtgcaggc gtttgttgcg 300
cagacgattg ctgagcggtc gaagtcaaatt ttg 333

<210> 21118
<211> 446
<212> DNA
<213> Aspergillus nidulans
<400> 21118

ttgcccacag gcacctggct ctcatggcag caatgaaact tgcgtttact cccaagaata 60
cttgtctgcc cacagcttca ccaaccgcat gctggccaat ggtggttctg ctaagctctt 120
ggatcagggt agttttttta ttctatcatt tgggttttgg tttgtctgaa ttaggttcta 180
actttttatt gcaggctaag aaggtcaagg ctcaatgcga gcgtaaccct caggatagta 240
ttgagattga attcgaccag tttgcggagt tcgacatttg cgcggcgtcc catacgcta 300
tctatagcgg atccccagc gtctcagatc cgttcaccgg tgccaaatat catgaacaat 360
ataagggtag cgtcgatcgg atatctgaag tgactgaaat tggcgcgccg gcgagtggac 420
tgcggttgta tgtccctagc caactc 446

<210> 21119
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21119

```

gtcggacgga tcgccggtc gtcgtttgat tattctccga aatgggtcag aaaaagcgtt   60
gccaggagtc tgcgtcgtct tcacactgag tacctggacg tagtatactg ccatgatgtt  120
gaatctgcct ctccgagaga ggctctggcg gcatgtcgcg agtagcgccg gattcgtgat  180
gcagagggta cgattcgcta cgtgggtatc tccgggtacc cagttgatgt gctgtgtgac  240
ctgaccgaat tgggtgttgcg cgagaccggc gaccgcttg atgtagtcat gtcttacgcc  300
aactttaccc tgcaaaacac acgacttctg acgcagggtc taccocgtct tgtcgcagct  360
gggtgtggacg ttgtcccgaa cgcattccct ctccggcatgg gtctattgcg aagaaagggc  420
gtgcccaattg gcagtatggg cgatttccac ccagcaccaa atggccttcg gacagccatc  480
cgcaacgccg cagagtgggc agatacccaa ggcgaaaaga ttgaagtat tgcaatccgc  540
ttcgcgctcg agtcttggct gcgcgacggg gcaaaggcag gcgctctcgg tccccctctc  600
gcgcgcagcc ctgactcaga cccgagcttc ctctccgctg caaacatggg cacaggcgaa  660
cgtttgggcg tgagtgtcat gggcgctcagt aacattgagg aattaaccga gactcttcgt  720
gtttggcata gtattgtcga cggcctcgag aacaaagacg acgacgctga ggatcttgaa  780
ctgggtggcaa atgcatccac tgtccccctc gcaccagcg caccagccat cctcacaccc  840
tccgatggta                                     850
  
```

<210> 21120
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21120

```

ggcagacgct ctggttgacg agttgaaacg atcaccaaaa gttgaagtcc tcacgcatgc   60
aaatgtcaca agcattctcc aagatcatga gagctccaac ctactgtat gttgatttca  120
aagttcgagt atctcgaagc gagcatttat gcggaaaaac tgacctgtct atctaacagg  180
taaaagtaga agatgggtcag agtcgtgttc acaaccgtct cattgctacc aaccgcctt  240
  
```

gcgacctcgc aagacaactt cagtgttcac tggagcccga gaagcagccc acaggaacaa 300
 taaatgccct acagagacac aactacgcaa caactactat ggttgtgaat ttgtattact 360
 caaatcctga tctgatccct gtcgaggttt cggtacctg attcccaggt cgataccttt 420
 tgcgcagaat cctgagcgag cactgggtgt gatatttgct tcagaatcta gtgtaggtca 480
 agacacagcc accggcacia agctcacagt catgatgggg ggccattatt gggacgggtg 540
 gaaagaatca gactatccgg accacgatac tgcggtctcg atgtctcaag ccttactgaa 600
 aaggcatctg ggcacccctg attctcccaa agtagccac acccgattgc agcgcgatgc 660
 tattcctcag cccaccgttg ggcaccttga acgtatgcaa gacatttcaa cgtctattaa 720
 gtctgagctc aaaaaccgtg tcaactctggc tggggcgctg tattcaatgc atgggtaccg 780
 cgtggtggac agcattcgtc aggcttatct agctgcgaaa tatggccctg agctggaata 840
 ctcaggagca 850

<210> 21121
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21121

agcctacgct agcaactcca ccttctctgg aatggccctt tacgtgacct atatgacagc 60
 ctcagacatc ctgcgtactg aagcaggggac tgctcgggcc gaaatcgctg cacagctcaa 120
 aacttgggct gatcaagttg cagaggcaag cgacaacgcg ctctccacct ccgcacttga 180
 acacctctcg aatccagcac gatcttatct ttgcccaaga cgtgccctgc gtcgagatct 240
 taactacagc gctaggaaca aacgtcggtt tcgcgttctt cactcttctc cctttctcga 300
 agggtagggg tcatatttct ttcgctgacc ctactgcata tccagctatc aacccaaatt 360
 atttaatggc acagtgggac cttattctac agcggaagat tgcgcagacc gttgccagat 420
 tctggaagac tgctcctgtg agctcggttg ctggggagag tgtacagccg cctggcactg 480
 acttaccat cgacactacg gaagatgagt gggatgcgtg gatttcaagg tcgtgtaagt 540
 ctatcctgtc ttgttctgtt tcacggtctg ctccgattct catatctgat agtcagcgca 600
 aaccaccact ttctcggtac ggcggcaatg ctccctgagg gagctgggtg gcgtagtcga 660
 taacaacctt atcgtctacg ggacggagaa tgtaagggtg attgatgctt caatactttc 720

ggcacaggtc aggggtcatc tggcaagcac tctgtgtgct attgcagagc gggcggcggg 780
tattatcaag aacaagctag gtaaacagta atgagacatt tataccacat taacaagata 840
tcttcaatgt 850

<210> 21122
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21122

ccatggccgc gagtgaagagg taaaaagcgc tatgctgtag tgaataactt tagtgcagct 60
ggtggaaata ccaccgtttg cctcgaagag ccaccgtca gggagacaga ctatgttgac 120
ccgcggacag ctcatgttgt caatgtctcg gcaaagagca aaatctcttt caagaaaaac 180
cttgagcgcc ttgtcgcta tctcgacgca aatccggata cctccttggc tagcctgtct 240
tacacaacga ctgcccgcg ttaccaccac aaccaccgag cttcagttgc tgctactgat 300
atagctcaag tgaagaagaa gcttctgtct tacatagata aagttgaagc gcacaagccc 360
attcccgcca ccgggccgcc ccaggttgcc ttcgccttta caggtcaagg tgcacgtac 420
aagtcaatga acttagagtt gtcccatcac tctccatact ttcgatctca acttcttcat 480
ctagacgctt tggcacaagg gcaaggtttt cctagcttta ttccggcagt ggatggcagc 540
cacgagaaag actacgtca ctcgcgggtt gtcacgcagc tagcacttgt gtcagtggag 600
attgctcttg ccaagtattg gatttcactt ggggtcaagc ccaacgctgt tgcgggtcat 660
agtcttggcg aatatgcggc tttccatgtg gcgggcgtgc tttccgctag cgatgctctt 720
ttcttgggtg gccgtcgtgc gcagctcctg gaggaaaagt gtcagatcgg cagccacaaa 780
atgctggcgg tgcgtgctcc tttggctgat atcgagaaag ccttagaggg cacgaactat 840
gaagttgcat 850

<210> 21123
<211> 678
<212> DNA
<213> Aspergillus nidulans

<400> 21123

togtccgaag tgtccccggt gcagcgggtca tttcccaatg ccctgacgg ctacaccctt 60

gcgaacgtga gttgcccgtc caaccgtcca gaaatccggc ttgcgaacggg actttcgccg 120
aacgagactt catggctoga gggcgccgc aatgtcacgc ggtcggtctt gagtgacttc 180
tttggtcatt tcagcgttgg aaattttgac gcggtcggtt accttgatcg gatcggttagc 240
aactcctcga atctgccccaa cattggaatc gcagtctctg gcggaggatg gcgtgctttg 300
atgaacgggtg ctggagccct taaggcggtc gatagccgga cggacaactc aaccagcgaa 360
gggtcaactcg gtggcttgct gcaatccgag acgtacttgt ctggccttag cggcggtggc 420
tggtctgttg gctccatcta tatcaataat ttcaccacca tttcgtcgct gcagtcgaac 480
gatgatgtgt ggcaattcca gaattccatc ctggaaggcc ctgacaaggg cgggtattcag 540
attcttgaca ccgcgggcta ctacagagat ctgtacgatg cggttaacgg taagagagac 600
gctgggtacg atacatcgct cacggattat tggatgaac tatttccttg gctctctgct 660
cgtgtttttt atgctgat 678

<210> 21124
<211> 778
<212> DNA
<213> *Aspergillus nidulans*
<400> 21124

gcacatagcc aattctctta ctgaacttgc gcagcgcaag gaggaggcgc gtagtggtgg 60
gaaggaagtt cctctgctgg agagcattgt ctgcgggcgc aaccggttgg aaaatggcag 120
tatggcggtt tgggcgcacg catacaaagc tcatgcggct ggtattcggc cggatgaagat 180
gacacagaac ggaattcgtc aagaaggat ctctcacctg ctgaaggagg gtctttctca 240
cgctagtgtc ctgaggttc tcgacctgca ggataatacc ttcactatca ccgatcaac 300
cgctcttgct ggtgtggtca gtggatggcc atcccttcgc gaactcgggt tcggtgactg 360
cttgctttct gctcgcggag gtataaagct tgctcaagcc cttgcgaagg ccaaaaacca 420
aaagggtgaa attcttcgcc tgcagtacaa cgatatttca gcagagggtg tcaagcagtt 480
cttgcatgct gccaaagacg ctcttcgggc cctgcgtcgc attgagctga acggaacaa 540
attccaggag gaggacgtaa atgtgaccga gcttagcgaa ttattggagt ctgcaaaga 600
agcacacggc aaggatgatg accccgagga tatgtggggc attgacgaac ttgacgaact 660
agagagtgaa gatgaagagg aagaagagga agaggaggaa gaggaggaag aggaacaaaa 720

ggccgaaaag gttgtcaaag atgccgaaat tgcggagaac gagaaggttg ctgaggca 778

<210> 21125
<211> 548
<212> DNA
<213> *Aspergillus nidulans*

<400> 21125

ggggcaacca tcagttgcta agcatcatta atgtacttct tgtgcgcatt cgcggagcta 60
tcttgctttg ccgatcgta cttctactcg gactggtgga actcttgca ctggttaagtc 120
ggccaataat ccatttcagt acgctgtatt caccaaaggt tcaatgcagg ctggaattct 180
cccgcgagtg gaatgtcccc gtatcatcact tcctccgccg tcacgtctac ttttctcttc 240
tatcacactt ctccaagccc gtcgccatgt tcatcacctt cttgttcagc tcgatcttcc 300
acgagctcgt gatgagttgc attacaaaga agctgcgcgg atacggcttc ctgcgccatga 360
tgctccagct gccgattatc gccatccaga agtcgaagta cttccgccac aaaacaactc 420
tcaacgtaag ccttgcttct tgtgttcttc aaagaaccat ctaaccacgc tgttttttat 480
agaatgtttt tttctggctt tcgatgattt tcggtctttc cttggttaagg caattccccc 540
tatcactg 548

<210> 21126
<211> 828
<212> DNA
<213> *Aspergillus nidulans*

<400> 21126

ttctagcaac tggcgcgtct actggaccgc cccttcttcc catggaagaa cgtactcgtc 60
ggctttttctt taggccagtt cattcttgag gggattctct cgttccgtca gtataagggtt 120
ctccagcgaa ccaaggcccc taagggtgctt gaaggcgaag tgtctcaaaa ggtttatgat 180
cagagccaag taagtaccta atcaggtctc ccatcgaata gcaacggctc ggctgactat 240
cattgtcacg attctcaggc gtacggtcgc gcaaaggcaa aatttggttt catctctggg 300
ttatatgggc aaattcagaa tctcgcatc atctacggcg atgtcctccc caagctatgg 360
ggactcagcg gctttttgtt ggcgcaatac ctcccagctc ggttccaggg cgaaataccc 420
cagactctcc tgtttctttt tggatttaac cttataagta ctgttctctc cctcccgatc 480

tcctactaca acacattcgt gcttgaggag aaatttggt ttaacaagca gacgggtaag 540
ctatgggtat ccgacatgct taagggccag atgttgggta ttgttctggg cgcgcccac 600
attagcgccg ttctgaagat tgtccagaag actgggactt catgctttta ctaccttgg 660
ctttttggtg tctttgttca ggttttcgcc atcaccatct accctatcgc cattttgcct 720
ttgtttaaca agctttccct cttgaacctg gtgcgatcaa gactggcggt gagaacttgc 780
caagaagctc aacttcccgc tccaggaact ccatgtgatc gatggtag 828

<210> 21127
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 21127
ggggggtgat tctgggactg tcggtgccgc tgggtggattt atccagggcg gaggggtccc 60
agcctttatg ggggtatact ggggactggc ggtcgataat gtgcttgagt tcgaggtcgt 120
ggtcgccacg gtacgcgcct gcttccaggc catctctatc tccttcaact atctcgaggc 180
tacggtatac taacatggag tcaatagggc cagctcgtca tcgcaaaccg agatgaaaac 240
gcagatctct tctgggcttt gcgtgggtgtt ggcgggcgga gctttgggat cgtgggtacg 300
gtgacgatga ggacatatcc cgatcttccc actctcaaag gagagctcac tgtctctgga 360
aaccgtcatg acccatcatt ctggaccgag gatatcgag ggctgctcaa cgcactccgg 420
gctttcaatc atctcgatgc accgggtgtt ttccgtctca tccaaacctc tgctaagggt 480
tccattagtg cgggtactga agtttatcta cttaacagaa cactggcgga agacctcacc 540
aggatgatgg ggcctatcct aggaacgtcg cgacgaaagt acaacatctc ccccatcact 600
gtaggcaaga taagctcgtt cgccaacccg aacgaacca caatcacaga gttctttggc 660
tcgaccattc tctcccga cttcttcgag tctcccacg gtccgctggt aatggcaaag 720
cgcgtggcag ccattaactt ggaccaggc gacggggctg ttgaccagca atctcgggg 780
aacggatcaa caatgaaaac cagtgattta cactccacc cttgggggag gtcttccgca 840
cacctggtac 850

<210> 21128
<211> 500
<212> DNA

<213> Aspergillus nidulans

<400> 21128

aattgaaaaa cgaaaaggca aactcatttc caatgggcca gtacggcaac aaacatgggt 60
gaagtctttg aagcatgggt cctcatgtca tgggggaacg gcccgtaaaa agctctatct 120
ttacggttta tgtgggctat gcgtaatgct actggtaatg gaatttcacg gccttggtcc 180
aaagtctcac cggacacagt cttcgctcgc caccgggtca atgatgctta tatgggcact 240
gttctaccag ttaacagttg gaaccgtggc atactctctc gtgcgagaaa tctcgacacg 300
ccgtatgcag atcaagaccg tcgttctcgg ccgtatccta tacaacattg ttgccatcat 360
atgcggtggt ctcacgccgt acatggtgaa cccgacggct tgggactggg gcaactttgc 420
tggtctaata aaggaggga tttgctttct ttgcatcatc tatacctatt ttcgcgttcc 480
tgaacaacga gggcgcat 500

<210> 21129

<211> 703

<212> DNA

<213> Aspergillus nidulans

<400> 21129

gccaagacat atcgatttgc tactattcct gccgacggaa tcggtccgga ggtgattgac 60
gctggtgtta ttgtcctcaa ggccctggca gacaaactcc aatcattctc cctcgacttc 120
acacaccttg actggagctc cgagaccttc aaggcgaccg gcaagtatat tcccgcggc 180
ggactggaag tgctgaaaaa gaacgatgct attttatttg gagctgttgg tgcgccaggt 240
aaacaaaccc cgcaatacac gttattcact ataggaaaga aatgaagtac agtactaaca 300
agtggatgta gacgtccccg atcatatctc cctctggggc ctccgactcg ccatctgcca 360
gccctttcaa caatacgcca acgttcggcc caccgcgctc ctccgcggta cacagtctcc 420
gctgcgcaag tgcaacaccg gagaccttga ctgggtgatt gtgcgtgaga atagtggagg 480
cgagtacgct ggccaagggt gtcgctcaca ccgaggacac ccgtgggagg ttgcgacaga 540
ggtggccatt ttctcgcgc aggggtgtaga gcgcatcatg ccgttcgcgt ttgagactgc 600
ggccaagagg ccaaggaagc tgttgaccgt tgtgacgaag agcaatgcc agcggaacgg 660
catggtgctg tgggatgagg ttgcgaacat tgttgccaag gac 703

<210> 21130
 <211> 462
 <212> DNA
 <213> Aspergillus nidulans

<400> 21130

```
accgacgaga caggccttgg acatggcgat tgagatcgtc aagccaggtg tgccgattcg 60
agagtttggc aggattatcg aaaagcacgc agcctcaagg ggccttgccg tcatcaagac 120
atggggcggt cacggtatca actcggaatt ccatcctcct ccttggatac cgcactatgc 180
aaagaacaag gctgcgggaa catgtaaacc tgggatgacc ttcacaattg agcctattct 240
caccctgggt gccaacggag agaagtactg gccggatgat tggacgaatg tcacgatgga 300
tggcaagcgg acagcacagg tcggtgagta cacctttcca gcaggctgat ccaggcttct 360
atactaakat gaatatcgac agagcatact ctgcttgtca cagaaacagg cgtcgaagtc 420
ttgacggcca gacaggagaa ctctccggga ggcccaatcc cc 462
```

<210> 21131
 <211> 532
 <212> DNA
 <213> Aspergillus nidulans

<400> 21131

```
atcctcaaga acttccttgc cacgctcgcc gagaacaacc gtcttggttt gctgaacgat 60
gtcgttgaca agttcgctgc tctcatgagc gtcaccgtg gtgagattga gctttctatc 120
accagtgtc aggtatgctt cttgaccctt tcatggattt catggatttc acccgggtgat 180
atcatcacct cagatggtcg ttgaatgcag atactaatca ggtgccatca ggaactcgat 240
gccaaagacc tcaaccgcct tgaaaaggcc gtctccaagt ccgagttcag ccagggttaag 300
aagctcaagg ttgtttctaa ggtgcgttct ggttcttttc cctctgtatc atcaagttgg 360
caaactaatt cacaaacagg tcaaccccca catcgtcggc gggctcattg tcgaaatcgg 420
tgaccgcacc atcgacctga gcgtctctc taagatcgcc aagctcaaca aggtctctac 480
tgatgctctg taaattaacc gtcccgcgtc tcttttgttg tcctatatct at 532
```

<210> 21132
 <211> 500
 <212> DNA

<213> Aspergillus nidulans

<400> 21132

ttgactgaat cgaacagcat aacatcacca caatgtccgc ccagaatgaa cgcgaagccg 60
aagcacaatc accatcctcg ggagaggagg ggtcctctcc cttagggtca tccctctacc 120
aaaccggctt gcaaaccgc caatccgtcc tcggcagcgc gcacgttaac cgctcattgt 180
ccaacagcaa cgcattcaca ttcccaatgc aagaagccat caccgagttt gcctgggggt 240
cgatctggaa ccggcccggg cttgaccgta agcagcggag tctaataaat attggaattc 300
tgatcgcgct gaaccgccag ctggaattgg gagtgcattg gcgcgggggt gtgagaaatg 360
ggctgtctga gctggagatc cgagaggcgg ttatgcatac gcttgtttat tgtggggcgc 420
cggcggcgat ggaaggaatg aggactgttg ataagggtct cgaggagcta gaaagggagg 480
gggagatcaa aagggagttg 500

<210> 21133

<211> 850

<212> DNA

<213> Aspergillus nidulans

<400> 21133

ctgtgcggaa gcaatcgccc gacatagccc tccaacactt cagaaagtac gcaagtgcac 60
aacttatgtc ttcacgataa aggttgtgga agcagaggat ctcaaggctt gcgacatgaa 120
cggaggcagt gaccctacg tcgttttgaa cgatgagttt cagaagcggg ttgggaagac 180
gcgcatcatc tacaacaacc tcaaccccag gtgggatgat acagtggaaa ttaccacca 240
tggtcctttg aatgtcattg ccacaatctg ggactgggat gcagtaggcg atcatgatta 300
tgtcggccgt acgtcgatca aacttgacct tgteccactt agtgatttcc taccgagaga 360
gtactggttg gacttgata cacaaggcag actcttactt agggtagca tggagggaga 420
gcgtgacgat attcagttct attttggtaa agcattccga actttaagc gaacggaaag 480
agatatgacg cggaagatca ccgagaaggt aagccgtat cttgaccaat tgctgaaatt 540
actgacaatc atctagctca cctcatatat caaccattgc ctgtctcggc ggactctgaa 600
gtcattacta tcgcgaggaa taggtctac tgtgtctaac ttctgaacc gcagccgcgc 660
tcaacaatct acttctgcac cgtcaagcgc agatgttgag aacgcattaa cacctctgtt 720

cgattacttc aacgacaact ttgcaatcat ggctgaaacc cttactcccg aggccatgaa 780
aatggtcatg gctcgcctat ggaaagaggt ccttgctact atcgagagct tgcttgtgcc 840
tcccctttca 850

<210> 21134
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21134

tcgtgtccac atacaccgtg tgattcattt ggagtgtca ctcagcgcgc tggatatacct 60
gagtggcgta ttggcactac cggcgggtggc ctactttaca ttcgtctcga aaccatgggtg 120
gttaaccaac ttccttggat tctcattctg ctatgggtact ctgcagttga tgtcgccatc 180
cactttcgtc actgggtcac ttattcttgg ttcgctgttc ttttacgata tttactttgt 240
ttactttact cctttgatgg tgactgttgc aaagaaacta gacgtcccgga tcaaactctt 300
atttcctcgc ccgcgcggccc ctacgcgaggc tcctgggtaca gtctccctgg ctatgttggg 360
gcttgggtgac attatcatcc ccggaatgat ggttgggtcct gctcttcgat ttgacctgta 420
cctatactac aagacaaagg gcatgattaa ggcacgatca gaaaataaag ggctgggatt 480
cgtcaagcca ctctatcaac cagcgacagg aggatgggggt gagcgtttct gggcaccatc 540
cgctcgacct aacgaaccgg agctagtgc cccatatcgt gacgctcgt cattccccaa 600
gacatatttc acagccagca ttgttggcta cacaatcggc atgggttacga cccttgctgt 660
catgcaaatt ttcgaccacc cacagcctgc cctcttatac cttgttcctg gggttctaata 720
atcactatgg gaacttgect tggctaaatg tcaagttcac gagatgtggg atttctccga 780
tgccgaaggt gatgaagatc aaaacagggt tgacggcgaa aacgatgaga aagaccgcac 840
accttcgtca 850

<210> 21135
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21135

tacatgttgg tctatgtccg caaatccagg gtggatgatg ttcttgttcc cataacaaaa 60

gacgatgtgc catccacat tggatatgcac aagctcctgt gtcttttagta tttgctgtta 120
 atgtgcctat agaaaaacgc cttgtggagg agcgtgccga gatcgcccggt cggagaaagg 180
 agaaagagga ggcgcacttg tacacgacgg ttgggggtgct gtctgaggag accttcaggt 240
 gccatcatgg ttttgacctg actagctacg atccaccggt tgtggaggag gcacttccaa 300
 aacagtaccg gattttgaag actacgactg ttggcgaatt tgccgaaaag atcgcggaag 360
 agaaagggct caaccgctc caacttcgat tctgggtcat ggtcaatcgc cagaataaga 420
 caatgcggcc ggatcaggtc atccaggatc ccgaaatgac catggatgag gcgtacagca 480
 gatatgccac caagggacac gtgttccgag tatggctaga ggtcgcacaa ccatctcccg 540
 atggaaccgt ttcattggccg gatagctcaa cctcgggtgct tattttcttg aagaactttg 600
 acgtaccaac ccaaaccctg acaggagtgc gtgcaacata cgtgcgcaag agtcagaagg 660
 ttggggagct cgggtcgaca atactcgatc tgatgaactg gccggcccg accgagtttg 720
 tcctttatga ggagattaaa cacaccatga tcgatctcat gaagcccag caaacgtttc 780
 agcagtcaga gatccaagat ggggacatta tcacatcaa aaggtgttca ggagtcagaa 840
 tgcccgagac 850

<210> 21136
 <211> 663
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21136

atgcatattc tcatcacggg tgctgcgggc ttcatggcc aattgcttgc gagagaactg 60
 ctcaatgacc cttcatatac tctcgtcctg accgatatca atgaaccacc gatcccagcc 120
 ggcgtcaagt atcctcagaa tgcgcgcaact gtcacggcgg acctcgtcaa ggcggcggat 180
 acgggtggtgg acaaatccct agacgccgtc tatgcgttcc atggcatcat gtcattctggg 240
 tccgaagcca attttgatct gggcatgact gtcaatgtcg acgtactcgc caagctcctc 300
 gagggcccttc gtgcaacctg tcccggggtc aggggtgatct actcttcag tcaggccgta 360
 tacggtcaac cgctgcctga agtggtggac gatactgtca ttccgactcc ccagtcacgc 420
 tacggtgcgg agaagctcat ctgcgagacc ctagttaatg aatacacacg acgggggttc 480
 attacgggtc ttaccctccg tttccctaca atctcagtc gccccggcgc tcctaccgcc 540

gctgctcct ctttcctctc cggtatgatc cgagagccgt tgaatggtga agagtgcgtc 600
attccccctg aagatcggtc cttcaagtcg tggctctgct cgcccaagac gctcgtccat 660
aac 663

<210> 21137
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 21137

aagccctgca acagagggtt ccgaaaccct ttccaatgat gttgaagggtg acattgagga 60
ggatcttgga ccgcagcctg cacatccagc acggactagc tcctcgcgtc tattgtcggg 120
acaatctgca tcgccacgac agtctcagaa catggcaata aacagggagc ttgacgaatt 180
gaggaccaag ctgaaagtga tggaaaagaa gcgggttgaa gaccgagaga agttaaaagga 240
catggaggcc ttgcaggccg atcgtgataa actgagagga atcatccata cactgcaagt 300
gaaatacaag ccgcacgagc gtaacttggc cgagttggaa gcaaagctta aagaggctga 360
agcgagagtg gaggagctcg agaaactgat agcagaacat gagtcgctaa tggaaattgc 420
gagtttgac cgcgaaatgg cggtagagat ggctgatgcg cataagcttg aatgtgagac 480
tctgaagctg agagtggagg agctcgagct ggaagtagaa gtgctgaggg aggagaacga 540
ggaattcggg cagacatga gccagagga gaaatccagc catggatggt tgcagatgga 600
gaagacaaac gaacgactac gtgaagcact gattcgctc cgtgatatga cccagcagca 660
agaagcggag ctgaaggatc agatcaagga acttcagcaa gatctcgaag attacgctgc 720
tatcaggtcg aaatatgagg ctaccaaaga gaaactaatg aagtcggaga gtaacctgca 780
agaggtcaga gaacgattgg agactggtga gggtaacgag cagttggtgg aagaaaatgg 840
tcgagaaaac 850

<210> 21138
<211> 300
<212> DNA
<213> *Aspergillus nidulans*

<400> 21138

tcacatggaa aagatattcg cccgttattc cattctatca tcaagcccgg cgatagtgtg 60

gcggcaacaa gctttggccc tgttgatgga atgccatggg tcaaagctgc tgatcccaat 120
gagttgtgtg cttgtgtaca ggatataccg agtatcgggg aggtacagtc attcggcaag 180
gacatcccag gcgcacttga ctgggcatgt actaaggcag acggtggggc cctgggtata 240
gcagggagcc ttacctcgt gtccgatgtt ctgcgtcttg ttagagaagc taacgactca 300

<210> 21139
<211> 485
<212> DNA
<213> *Aspergillus nidulans*

<400> 21139

ctcaatcagc ggccatagac gctattcgcg cctccggtgc caccagccaa tatactcttcg 60
cggaaggaaa ctcttggaact ggagcctgga cctgggtgga tgtcaacgac aacatgaaag 120
cgctcaccga tccccaatat aagctcatct acgagatgca ccagtatctt gactccgacg 180
gctctgggac gaacacggcc tgcgtcagtt ctactatcgg cagcgaacgc gtgacagccg 240
ctacaaactg gctgcgagag aacgggaaac tgggggtgct cggtgagttt gcaggcgcaa 300
acaaccaggt ctgcaaggac gcagtcgcag atctgctgga gtatcttgag gaaaacagtg 360
atgtatggct tggggccctt tgggtgggctg ctgggccttg gtgggggtgat tatatgttca 420
acatggagcc tacttcgggt attgcatacc aggagtactc ggaaatcttg cagccgtatt 480
tcgtg 485

<210> 21140
<211> 637
<212> DNA
<213> *Aspergillus nidulans*

<400> 21140

gaattgtagt ctctacgagc agcaagagct gacagcaaag gtcacggaaa cgcctactcg 60
ctcgacatcg atagcgcttg gagcagcatg agcacgattg aaggcgacgg tgttgagttg 120
aagaacgtga caattcgcaa ctggaaggga accgaagcag acggatccca gcgaggcccg 180
atcaagggtga agtgtgcatc cggagcacct tgcactgacg ttacgggtga ggactttgca 240
atgtggaccg agtcaggaga tgaacagacg tatgtctgtg agaacgcgtt cggcgacgga 300
ttctgtctcg cagacgggtga cggcacctcg accttcacca cgactctgac cgcctcggcg 360

cgccctgctg gttactccgc acccagcatg gacgccgacc tcgagaccgc ctttggtact 420
gatagcgaga tcccatcccc accattccaa cctccttcta cccaggtgcc gcccctacag 480
cgcgcatgca ggagcttcag tctcttcaag tcaagtaccc actgcatctt ccagtgtctga 540
ggccaaattc gtcgccagtc ccgcgacaag ctctcccacc gcgacttcca cggccatctc 600
ttccgtcgat cccgtttcaa cggccacaac gacagcg 637

<210> 21141
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21141

ccagattggg agtagtactg gcgccctcgc cacacgtcgc atactggaga cccttgacac 60
gaacttggtg gccagctggc acatcactga gccatcatcg gaattattgg ataatgcgcg 120
tgctcagctt gctgactggg ccgatttgct ccagttcgag caactcgata ttgagcagag 180
tccattcaag aagaagttta tcccagagag ctacgacgtt gttgtatcct tgcagtctct 240
acacgctatc aaaaaccag ccagtgcgct gggaaatgta cgtactctgc tgaagccagg 300
gggaacgctg cttttggtgg agacgactaa gaatcaggtt gatgtggatt tcgtctttgc 360
tttacgtcca ggctggttgc aggacaagaa tccacttacc tcctgggacg ccgtgcttca 420
agatggaggc ttcagtggtc tcgacctoga gatatatgac tcagagagcg atattcatac 480
caacagcgtc atcatgtcca ctgtgcctgc caaggaccag aaggctgacc tgagcaaggt 540
taaagacagc tttgcagttg tctccagcat caagacaccc ccatcatccc ccattgtcga 600
tcagttgtgc cagcgcattc aggccttgac cggtagagct acgacgcacc tcgtcttgga 660
aaagacgagc ggcaacacat acaaggacaa gatttgtgtt tttattggcg agcttgaccg 720
gccattctg gcagacctcg atgcagtgca cctggaaggc ctccgcgcaa tggtcacgca 780
aaacagtggc ctgctctggg tcacgactgg tgggactgtt accccgaggc tcccgaacga 840
gcatgtgcac 850

<210> 21142
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21142

gacgggatcg acttctcggc aagacagtct tggttaaaaa ggggcctttc aagggacttc 60

ttggtatcgt caaggatacg accgatgttc aggctcgagt ggaacttcat tcgaagaaca 120

agcttgttac tataccgaaa gagctccttg ttgtcaaaga tcctgttacc ggccagacta 180

tcgatattgg tcgtggtagg ggtgggtccc gggtcctca aaactcagcc gctccgtcat 240

ctggctggca gggcggtcgt accccaatgg ccgctgccga ttcttcgagg acaccgcct 300

ggggtgcggc aatgtcgtca agaagtaagt ttctcaagct cttgctttac tctcaagggt 360

ttctaacata agtcctgcag cgctgcttg gagcgggtgt ggtcttggtt ctgcacacc 420

agcctggaaa gccgacggca gccggacagc ctatggcggc gcaggatcac gcacaccgc 480

ctggaacgca ggtgctcgaa cccctacgg cggaggcttc ggttccggct ccggcaacag 540

cgacttcgac gctttcgccg ccgggtcccg aacgccgcgc tggggcgag catccggcag 600

ccgcacccca gctggtcag ctagtgctaa taccaccagc aggaacgaca acaaggccta 660

cgacgccccg acacctgggg caacatactc ggcaccacg cctggcgcat atggcgggcg 720

tcctacacct ggtctttcag caccacgcc tggagcctgg gctgatagcg cgccaacacc 780

tggggcgtag aatgcgccta cgccgcgga ctttggcgaa ggaagtcgtc cgtatgatgc 840

gccaacacca 850

<210> 21143

<211> 657

<212> DNA

<213> *Aspergillus nidulans*

<400> 21143

atccgatctt tttgcagatt tacaattccc agaccacccc tttttttggt acaccccaaa 60

agcccccttt ttctcttggg ggagcaacat cctccgtac accctctttt actcctgcag 120

ctgctccttc tggcggctctg tttgggggtc tgggtacatc aaaaccgcg gaaacctcga 180

cgacgaagcc tgcagcctcg acaggagcc tgtttagcaa gcccgctgag acagcgacca 240

cgcaagctcc aagcacgtct ggggaagcta ctacaatcgg tactggcgcc aagccagcgc 300

tgactgcgac atccggacct actacgaccg caactgcagc aacctccggt acgagtggta 360

ccaccacggc cggcggctct gctctcggcg catcgaccgc tgggtccact ccaccggctc 420

aatcacgcct taagaataag acgatggatg aaatcattac tcgatgggcg actgacttaa 480
ccaagtacca gaaagaattc cgggagcaag ccgagaaggt tgccgagtgg gatagaatga 540
tagtcgagaa tggcagcagg gttcaaaaac tgtatggcag tacagtggac gctgaacgtg 600
ccaccagga gatcgaacgc cagcttgctt cccgttgagg gcagcaagac gaactga 657

<210> 21144
<211> 850
<212> DNA
<213> Aspergillus nidulans
<400> 21144

ctcgcgcatt tggcagtatc ccctacaaag gcggccatct cttctgcttt gcagccctcg 60
cccaatcctc catcgctctc attctccccg gctacctcgt tctctgcgcc agcctagagc 120
ttcaatcacg cagcatcgtc gccggctccg ttcgcatggt gtacgccatc atctattccc 180
tctttctcgg ctttggcatc acaatcggca ctgctgttac ggctttttag accgccacgc 240
ctcaacagac tatacatgcc ctgccagccc tatcacgaac gagtaacctc agcgctttcc 300
ctttgtcatc atcttcactt tctgcctcgc cacagtcaac caggccaaat ggaagcagat 360
ccccgtgatg ctcgttatcg cttttgccgg atacattacc aactactttg gcgcgaaacg 420
cttctactct tccacgcagg tctcttccgc cctgggagca ttcggtgttg gggtcattggc 480
aaacctctat tcgctcttc gccacggcct agcagcagca gccatgctcc ctgccatctt 540
tgtgcttgtc ccacttgccc tcgcagccag tgggtcattg gtagcgggaa ttgcatcggc 600
aggccaaatt accacgcagc agacgccgtt ctcggtgccc agtaacggca cgcagagctt 660
cgtcgacgcg gcgaaaaaca tgaccgctga gcaccgccag cagagctacc aagagaatcc 720
tttccagggg gtcgtcttcg acattggata cgggatggta caggttgcta ttgggtttac 780
tgtgggactg tttcttgctg ctttggtggg ttatccgctt gggaagaagc gcagcgggct 840
ttttagtttc 850

<210> 21145
<211> 850
<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
<400> 21145

agctttttatc aagcggccgg cngcgatcga tctatcgctt cccatatcgt cgcagattca 60
 ggttatgaat cttcccgggc cggccgccct caacaacacc caggcgcagc aaggaacttc 120
 gctgtcgccc tacgagatcg tacatttgct ggtgcaccat ggtcttagcc cgtactttga 180
 agccaacacc cgcaatcaag atggtgcagc gaaagcaaag acggactcgg aggtcaaaac 240
 tggagttcca ggcactaaga agaaattcgc ggagctggaa ctcggaactcc tacacctcca 300
 gcagaacgtc gagatccctg ccttgaattt gccctgcat gaagttgtcc aggcagctct 360
 ggtcgaagca gaaaagcgag gcgtaagcc ttcggtggat cttattgatt ctactcttct 420
 cgagagcagt gcgttcatta acagcattca aaacaatgtg aacgcttgga tcaagtctat 480
 tcaaaccatt aaaaaaatgt ccgcgatgcg gatagtgggt cggcagcgca ggaaatcaac 540
 ttctggttat ccatggaaac tgcgctggag ggaattgaga accagctacg tggagacggc 600
 gtccagttga ccatggacat tctacgccat gcaaagcggt atcaagccac cctcagtttt 660
 gtcgcagaca ctggactgcg tgaagcgagc gatctagtgc agaagtacaa ccaactgatg 720
 cgtgatttcc ctctcgacga acttctctcc gccacgtcct tgcaaaaagt gcgggagtct 780
 cttgtcctca tcttcaatca tcttaacaaa aagctgaaga tctgcccgta tccgatcaag 840
 cgtgcccttg 850

<210> 21146
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21146

ttacgtccgg aagtaccggt aagcccaagg gcgtcatgat cgagcatgcc tctgcctggt 60
 catcatttac ctatcaaggc caagagtttg gctacgacca tgaatcacga gtgcttcagt 120
 tcagcgcctt gacattcgac gcctcgctca tggagatctt caccacgctc tgcgcaggcg 180
 gttgcgtgtg tttccctacc gaagaggaaa agcaaggaga cattgtacgc gctatcaaca 240
 acttacgcgt gaactcgggc atgctcacac cactgtact ccgcatgac cagccagagg 300
 atattcccat ggtcaagcat gtggtgacgg ggggcgaagc cgtgagccat gatatcgtgc 360
 aaacatggag tagcaaggtt atcctcaagg gcgtctacgg ccctacagaa acctctatga 420
 tttgtatcac ggcagacctt gttcccggta gttctccagc aaatattggt gttcccctgg 480

gctgccgcag ctggatcaca ctccctgacg accacaacca tctggcacct atcggtctg 540
 ttggtgaact gctcatccaa ggacctattg tctggcgcggtg gtattacaag aaccaaaaac 600
 agacacagga tgtgtttatt gagaatcctc tctggctgca gaaacggttt ggcgagactg 660
 gcggcgcccg gctctacaag actggagatt tggctacta cgcgcaaaac ggtgacctca 720
 tgatcgtggg tagaaaggac tcccaggta aactccacgg gcaacgcatt gaactgggag 780
 aaattgacca caagatgtgg tctcatcctg ccgtcagaca gtcgtcggtc gtgctgcca 840
 gtcaaggccc 850

<210> 21147
 <211> 312
 <212> DNA
 <213> Aspergillus nidulans

<400> 21147
 tacctccgcc acttcttgaa cctgaagttc ctctgggctg tctcaccga attccgtacc 60
 gttggacctt ttgagctgaa ctgggagaca cagcagtaca agtgctggat cagccagtac 120
 atcacctttg ctttgctcgc tagtctccag gccgtcaatg ccttttggtt tttcttgatt 180
 ctgcgcatcc tcaagaacta cctattcagc aacatcaaga aggatgagcg gagcgacgag 240
 gaggatgagg aagaagaaga aatcgagcag tctaccaaca gtaccgcagc tctggctact 300
 ggtaccgagc cg 312

<210> 21148
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
 <400> 21148

gcaggcgcaa atgaagctga attcggtctt cgtcaaacca aagggttcta gtgagcagtc 60
 ttcttcagga actgtcgaag gctcaccaaa aaagccttca ggtgacggcg tacctgctcg 120
 tttgtctgat agaactcgtg aactctctga ctacgagcgg gagtttccag atttctttct 180
 gcatccaaat acgactcttg cgctccgca cagattcgag agagatgcca cagcactggc 240
 tcatctacga gagaaacttg actcaactctt aaggagcggg tccgttgaac aactgacttt 300

ccgaccgtct gaggtgttca agctaatagcc gtataaaaagg agacgcggct atcaaataat 360
 gtcagtcagg gatattcttg ttcaaatgca gaacttgaat gatctaccag aaacctcgga 420
 agccgctcgt aggtctccagg aatcattaaa acaagtgcgg atgaaatcat taaaatttgg 480
 ggaagatgta agaccacat accagggaac ttacacgaag cggctttcca aggaggcggc 540
 taccaagttg atgcgaaacc catttagccg cgcgtacct gaggtcaatt atgactacga 600
 ctctgaagca gaatgggagg atgcagaaga aggagaagag ttagactcgg aggaagaaga 660
 ggagggtagt gaagatggcg atgaagatat ggatgggttt ctgcacgatg aggatgatca 720
 cctggcaaac agtaaacgac gtctgcttgt ggtgatctt gaccagtttg cacgggcata 780
 aatggcagac gagngtctg atcagagtta gaggcctaca actcgagatc atctaccctt 840
 tgtacatttc 850

<210> 21149
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 21149

aaactccatt tcgatcaaga tggatgatctc tggacagctt cagcggataa aacgacaaaa 60
 tgtcttatta gagaggatgg ctggaaggca aacctcacac tcaatcatcc cgattacgtc 120
 aaggatgtcg tcgtcgatga gcgagggggc tgggttatca ccgcgtgtcg agatgaagaa 180
 atccgtgtgt ggaaccgatc ggtgcgtttt ctgtttttgt tctcccttcg atcgcttttt 240
 gctgatgcc a tactcagact ggacaattat accacacatt ttctgggcat tacgaggaag 300
 taacaggcct gggtttacta ggaacaatgc tggtgagcgt cagcattgac gccaccattc 360
 gacagtggtc tctgaaacct gatgacctgc ggaatgccgt agcacaggca acagaacatc 420
 caactgacga accatcaacc aaccagaat ctatgctgac ggaggaagag gagcgagagc 480
 tagcagagtt actggaagat 500

<210> 21150
 <211> 529
 <212> DNA
 <213> Aspergillus nidulans

<400> 21150

ggcaaccacc acccccgga ctaccaacga aaaccttctt ctaaccaccg aacacaaaca 60
 caaccggagc gattaaacaa aataagaacc caaaaaaaca caccaccaca tcaaacacaa 120
 gacccaaaac aggctccaga ccgaaggaac gaccaaggcg catcaccact cagccatcaa 180
 cagaacaaca ggccccatga gcaacaactg acgcaacaaa acaacaaaacg cccctgccac 240
 aaaaagacag aacacaccag acaaaggcga acgcggaacc cacaagcacc agagcaaaca 300
 cccaagacc caccacaaaca cccacaaacc ctcaaaaaaa aagaaacaaa cccccaagc 360
 acccgaagaa cgccgacaaa acgaagccaa acaaaaacac aaaaaaaaaa cgagaaaacg 420
 ccacacacaa gtagcagaca caaacagggc cctaaccaca gcacaaaacg caaagacctc 480
 caaaaaaaaa acacatcaca aacccaaaac ccccaaaagc ccaaaccca 529

<210> 21151
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21151

gaggcgggcg ccgaagaaga actatactgt gccattccac catcaagtta tgattctcac 60
 ggaaagacag ttcaagatta tgtatggtga caagggaact ctcatgggga agtgggcgat 120
 tctcaccttt caggcgctca tcatcggaag tctgttctac aatcttccca acaccaggta 180
 agtctgaagg cttatatatc atatcagagc taacagacat agtgctggca ctttcactag 240
 aggaggcgty atgttctttg tgetgctttt caacgctttg ctgctctctg cagaactgac 300
 ggacgtcttt acccaccgtc ctgttatgct gaagcataag agtttgtaag gaccagaaag 360
 tcaacactca cacttctcat gctgactgcy attttagctc cttctatcga ctttctgcct 420
 acgctgtcgc ccaagtagtg gtcgatgtac ctataatctt tatccaggtc acgctgttcg 480
 agctgatcgt atacttgtag gtcctctttg tgtcaatgtg tactatgcta acggtagtag 540
 catggccaat ctacagagga cagcatctca gttcttcatc aacttcttgt tcatcttcat 600
 tcttacaatg accatgtatt cattcttttag aactatcggg gctttttcag cgtctttaga 660
 tgttggtatg tacaacccca gaagcctgag gttacggtgt acgtggatga tgtgagtatg 720
 ctgactcaaa ggccaagcca ctgcctcac gggcgctcgt attcaggccc tagtcgtata 780
 tacaggctat ctcatccac cgtgagcttt cttttttcga tgcatagatg aaaggtgatt 840

actgaccttt

850

<210> 21152
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21152

aaagtcttcc aatatatatg cggctgacta ggagcttgca gatttcgtat ctgtggctga 60
aaaatacgat attatcccg c actgccggtt caatgccatg tgtctcgggtt tgggtgtggga 120
taccgcccgt tcaactgtggg tgtgcacttt ccaagacacc agcagcggag agatatacaa 180
aagggaagct ccagtggtag tcagcgcagt tggcacgctg gatcgtccct tcgtccctaa 240
tatcgagggc tctgacactt tcgagggcaa gaccttcac agcgcacgtt gggatgacac 300
attaaaagcc tctgggaagc acatcgctgt cctaggcaac ggagcatctg ccaactcagtt 360
tgtgcccag ttagtgaagg aagttggccc aaaaggaagt gtcacccagt ttgttcgaag 420
tgcccattgg tggacaaaaa gggtaggatt actgtcgtg tctcgggtgtt cttgcgctaa 480
atcttcgagt agggaaaccc gaagtactca gaagccttca aaatgctgat gaaacacgtg 540
ccatttgcag cacgcatcta ccggcttctt ctgcgatggg agcttgagag cgtgttcttt 600
tcctttcgca tgaatgcgaa cggtagcagg atgcgtcaga agattcggga cgccacgtac 660
gcctatatcg aaaaagatct ccgccagagt atcgtgaaac tctaaagccc aactacgagc 720
cgggctgtaa gcgacgagtc aacaccgcta cctacctctc ttcgcttcat tcgccacaga 780
tgtgtttgac caaggatcgg gtcgtgaaga tcggtcggga ccatgttatt actgaaactg 840
gtggccgata 850

<210> 21153
<211> 435
<212> DNA
<213> Aspergillus nidulans

<400> 21153

cccatgtttt tattgcaagg atgctgattg gctaggatca acgtatcctt tattgataag 60
gacggccaaa agttcgactt ccaggtgtcc gagggggaca acttgttgga cattgcgcaa 120
cgaaacgatc tagagatgga aggtttgaac gatgcctctt ccccccggtt ctcttaccgg 180

tagtaactca ggaatcctat aggtgcttgc ggtggctcgt gcgcgtgctc gacatgtcat 240
 gttatcgtgg aggacccaga aatgtttgac aagatggagg agccctcaga tgacgagaac 300
 gacatgctcg atttggcggtt tggtttgaca gaaacgtcgc ggctaggatg ccaggtgcaa 360
 atgaacaagg aactggacgg attggtggtg cgactgcctt caatgaccog gaatctgcag 420
 gcgagcgact tccaa 435

<210> 21154
 <211> 457
 <212> DNA
 <213> Aspergillus nidulans

<400> 21154

ctgggacaac ccatcgattc acccgagtg tcaaccggaa tatgttggcg ttgtgataat 60
 cgттаатgga aaagcatggc caagatctaa acgtccgacg taggaaatac agattccgta 120
 tcataaacgc aagcaacgct aggtttttca agtttttctt ctccaacggt ctagatggac 180
 atcgttgtgg ggtctgatac agcgtatttg tcaaagccgg tgatgaccaa atcgattctc 240
 ttatctccat cagaaattgt agacgttggt gttgatttct acaaatcacc gtcgagaacg 300
 gtgggtgcttg ctaatgacgc accatatacct taccctagtg gtgatcctgt caacgaagaa 360
 aatggcaagg таатgaaatt tatcatcaac aatgaatcag aggatgacac atgtacaatt 420
 cccaagaagc tcatcaatta tccgaatggg gatcctc 457

<210> 21155
 <211> 576
 <212> DNA
 <213> Aspergillus nidulans

<400> 21155

aagcagcagg aaaagctacg gtcaacctct aagaatgcgc gagaccgcgt cgttggcgaa 60
 ttgaaacgaa gagtgccac cgccgatgag cagctggaga agtaccgtcg tcggatgaag 120
 actggagttg aacgcctgtc tcaacgttgg aatgcagcat ctgcggtcac acttcgtgag 180
 aagatctcgt tcatagcggg tgttctcaac atcttcatca gtggctatct gcttgggtcg 240
 aaccccgaa acttctacat ctggttcagt gcgcagctcg cctactttat gcccatccgg 300
 ttttacaggt atcattcgat cggataccac tatttcttgg cggacctctg ttactttgtc 360

aacgtgcttt gcatgctctc catctgggtg ttcccacagt acaagaggct ctttatcagc 420
 actttttgct tgaccttcgg aaacaacgca gttgcgatcg ccatgtggcg caactccatg 480
 gttttccaca gcatggacaa aggtgttagg tgtgtttttt caccagocca cactctagct 540
 tccaatgact aatcgagtat agtctcttat tggcgt 576

<210> 21156
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21156

gaaaaaaaaat aaaataaaaa aagaaggaaa gaaggaaaga actaatgtac atggtacagt 60
 tgcgactact gtcgctcagg atcgtaaac ctctgccag acaccgtctt cgccaaaacg 120
 ccaccccacg atgggacgct gcaaaagtac tatatcacc aggcagacta ctgctacccg 180
 ttgccctacc acatgggcct cgaagaaggc gctatggtgg aaccagtcgc agtggctgta 240
 cagataacca aagtgggcaa tgtccggccg aaccagacgg tcgtggtatt tgggtcgggc 300
 ctatcggctc cctctgccag gctgtgtcca aggcgtacgc atgcaagaag gttcataggg 360
 gtggatatca gtcaatcaag gcttagactt tgcacaggcg ttcggcgcag atggggctctt 420
 tctccctcct ccaggccag agggcggtga ggagacggca tggagcgaga aagtggcggc 480
 gctgatcaag gagaagtctg ggctgggcca gggcccgat gtcgtcctgg aggcgaccgg 540
 tgcgcagagc tgtatccaga ccgggggtgca tttggtcaag aaaggaggca cgtatgtgca 600
 ggcagggatg ggcaaggaga acgtcgtctt ccccatcacg acagcctgca tccgggacct 660
 gacgatccgg ggctcgatcc ggtacagcac ggggtgctac ccagttgccg tggacttgat 720
 cgccagtggc aagattgacg tcaaaaagct cattacgaac cggttcaggt tcgagcaggc 780
 ggaggaggcc tttgagttgg tgaagcaggg gaaggacagt gtgataaagg ttgttattca 840
 gggataccag 850

<210> 21157
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21157

ttgctgccat ccaatcagac caattcatcc tcggtcagca tgagaagaat atcgacatcg 60
 tcagcggtag ccaatTTTTCT ggcttaacca cgttcgcca tatcccttat gttaactggt 120
 tcattgacag cgaagccgaa tcaacaccgt atgatatcgc catgcttggg gcaccattcg 180
 acacggtaag tcatggaacc ggtaccgtcc atgttgctgc ggcttgctta cgtcggttgt 240
 gcagggagtc acggctcgcc cgggcgcaag atacggaccc ggaggtatcc gactcggctc 300
 gcgcgcgcatc caaggttgga acatctacac tgggcagaac gtctttgaga gttgggcaaa 360
 gctcgtggat tgtggggatg cgccgttaac gtggttgac aatacggttg cattgaagca 420
 gcttgatctt gcacataagg tactttcatt ttcactttct gtcttttccg ggaatgagag 480
 gctgaggtta tggcagggtca tctcttcgcg tgcaacgaac agtacggaga atggccgcac 540
 accgcgtatt gttaccctgg gaggggacca tacgacgacg ttgtcggcat tgaggctgac 600
 gtataagcat tttgggccgg tgtcggtgat ccactttgat agtcatattg gtaagcttct 660
 tctgagtatg gagcatccgt tgctgattgt ggtagatagc tgggaacctg aggtactagg 720
 taagctatct taactcgaaa tggattgagc ggcattgata gcgatatcaa taaactaggc 780
 ggcgggatct ctaatatgcg taggtgcgca ttctattatt cagcgctaaa ctcatcgaca 840
 gtgcgttcat 850

<210> 21158
 <211> 468
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21158

cgcctaggct cgggaagctt gccgacgaat tcagataaga cgagtattct gggatatgaaa 60
 tacatcgaaa tatggcgctg aaaaagcgga actatccctt aaaacttgca gaaacgtggt 120
 gatcaaagct tgatgctttc ttgaataaaa cgatggataa attggaatca catatgccaa 180
 agtttgaaag aagagaaagt taacaactga tgatgaaaga gatataatcg gcgatcagag 240
 attctcgttg ttcactaatt gaagcgggta caggaacagg gaagactctt gcttatttgc 300
 ttctagtctt ttattttgca aagagagacg aagaacctgt cattataagt acacagacgg 360
 cacaacttca acaacaaata gtagaaaaag aaatttcgtt attacaaaac cttaatgcca 420
 ttttcatttg aggtagctct tcttaaaggc agaaagcatt ttgatgct 468

<210> 21159
 <211> 730
 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
 <400> 21159

```

agaaatggcc tatacttgta aaccaggcca atggtcttag aacgggggtgc agaacgaaac   60
cctttaactt gaaagggccc aaataacggc gaagacaggn gatgagagta aaactctttt  120
tatcgccaat atatctcatg agctcaaaac gcagctgaat gggattcttg gtatgtgtgc  180
ggctctgcatg ggtgagcacg atcttccacg gatcaaaagg tcgcttcaga ctgtatacaa  240
gtcgggcgat ttgctgttgc atctattgaa tgacctgctc accttttagcc ggaaccaaatt  300
tgatcaggcc attaggcttg aagaaaaaga gttcaagctc tcggatatcc ggtcgcagtt  360
acagattatc tttcagaacc aggtccagga aaagcagata tcattcagta tcaagttctg  420
tcatccagac actcctccga tcaatgacac tccagaagtt atatctcgcg cacctgggtcc  480
gggtatatggg ccgccgggaa ccgccaaatt gaaggacatg gtcctatggg gagatcagca  540
ccggatctta cagatcctga tcaacctagt gggcaacagt ctcaagttca cacctgagca  600
gggcaccgtc gcgatcagca tcaagtgcgt cgacgaggac aagaaccctt ccgccagccc  660
aagaccggta acaaaagctc tctcgcgctg acgatctata ggctcatccc atgccatgtg  720
gtgtcccact                                     730

```

<210> 21160
 <211> 547
 <212> DNA
 <213> Aspergillus nidulans

<400> 21160

```

cgcgcccgca taatacgact cactataggg atcgcggtc tggagcgact ccgtgattcg   60
ctgagcacca ttcagggcct gacatgggcg taccceaagg cgaatgtctc catggccgag  120
cacgtgaact cgatggctaa gaccggcagg ggcagcaacc actggatggg atcttgcaaa  180
atgggtcccg atgacggacg tgacggaggt tccagtgttg tcgaccttaa tacgaaggtg  240
tacggtatgg ataacctgtt tgtggtcgat gctagtatct tccctggtat gatcagcacg  300
aatccctcgg cttatatcac cgtcgttgcg gagcgagccg cggagaggat ccttgcattg  360

```

caagggtaga cgacaggtta atcaggctgt ttgcaaagtt gggttgagttt ttgtctaata 420
gagagtttgc tccgacgttc ctcttcaatc acagttcact ttccttcata aatggcccag 480
gttgagggca cacatgcttt tgctcgacgt atgcaccatt acctaaataa ctgcgtaga 540
ttgtctc 547

<210> 21161
<211> 556
<212> DNA
<213> Aspergillus nidulans

<400> 21161

atgggtgctgg caaaatctaa aaactcgggtg gggctcggcc agagcctcat gaacgatcgc 60
tttggtaaag gaaaggcctc taacatgaag aagtcgtctc ataatgctgg aattgcacgc 120
aaagatatga atggcgaaac ttacatcacg aactccgcca aagaggcttc ttgggttaag 180
atgcgcagta tcacggaaca agcggcgcta gacgagtttt tgaccaccgc cgagctggct 240
ggcaccgatt tcacggctga gaagatgaac aacgttcaaa tcatccatac ggaccagaag 300
aaccctact tgctctcggc cgcggaagag aaatcagccc tacgaaaaca caagaaaaac 360
aaaggccgcc taacggttcc gcgtcgcccg gcgtgggatg cgtcgaccac tcggaacgag 420
cttgatgcta tggagcgtga gagtttcatg gactggcgac ggggtttggc ggaactacag 480
gagaacaacg atctcttgat gacgccgttc gaacggaatc tcgaggtttg gcgtcagctg 540
tggcgagtga ttgaac 556

<210> 21162
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21162

atagtagata gctgtaagag caattcaggc agatgtacta gccccctact acttcagggc 60
cctgccagga tactctgcta ttgacctagt ctaggttctt gttcacaggg tagaagaggc 120
cttctaacag ggaaaagata ctttactact cctactagat ataaaagggg tatttaatac 180
tgtaatatatac taacagctcc tttcttactt atacctgtaa ggatagtata aaggcttact 240
ccagctactt aaagactagc ttactggctg ctctgtatct gtttatatta aagaaggcac 300

tattatagta ctaattaaag gaggactcct ccagggatcc cccctattcc taatactctt 360
tctgctatat acagcaagaa tagtctctat tttagagggc tccttctgct atacagataa 420
tatagggtata ttattaacta ggaatactct ggaagagagc ttataataac tagtaagggc 480
ttataaataa attactgccc tagggacaga gacaggcctc cctttcttaa tagagaaaat 540
agagatataa tacttctcta gaaagtagta gcagtatctt cctatagtta ctctacctag 600
tataggagag attatactat ttctatatat atattgggta ggagttcttc tggatacaaa 660
gcttattttt aaagcctata ttaatttagt cctcagctgc aggaacaac tcgcccagca 720
cctaaagaga cttagtaata cctagtatag ctatctagta gcctccatgc aggtagtagt 780
tatatagtat attctcccaa caactctgta cagtacagaa gtcttctata caggcaaaag 840
ataaaaaagg 850

<210> 21163
<211> 637
<212> DNA
<213> *Aspergillus nidulans*

<400> 21163
gcttcgcaga cgcctaccca atccacatta tttcactttc tagcgtgcgc gatgtgaatg 60
cacggtgcgc agaagatatt cctgatctaa gcgttcggcg tttcagggca aatattatcg 120
tccaggggtcc gaaggcgttt gaggaagacg attggaaagt tattogtata tctccagcta 180
ctgcaaaaaa gaaagcacct aaagaggatg atgaaggaga cagcgcagaa caggcgttaa 240
taatgtacac agcctgccgc acagtccggt gcaaactacc caacgtcgac ccggacacag 300
ggactcggca tccttctgag ccggatcgga cgctgaagag ctataggagg attgataagg 360
gggatttgac gaatgcttgt ttggggatgc aggcagtgcc ggccggtgaa ggtgcgttgt 420
taattcttat gataaatggt tcagaatgcg tcttagacac ttttctcttc ccttcttgct 480
gttagtggat ttactgacaa gctgcagaat cgcagatata gggtggagat gcaatttctg 540
tattttatag ggtcgagcag tgctatacgc aatgttagtg ccgccgaaag tgggtggaag 600
ggtagaaatg tcctccccta tcaagcgaga tttgtcg 637

<210> 21164
<211> 536

<212> DNA
<213> Aspergillus nidulans

<400> 21164

aggcttattg agaaaattcg gggggtttga aggagccccg aagttatgcg gaggcctgta 60
tacaagcccc gagaggctgg aatcggatgg cctagccggg gagaaccctt cctgttgcac 120
gaggattagg caagggcgtg cctggtaaga accgttcctg gcggcccgtt taggcagcaa 180
tgggctccca atgccaggcc ccctcaaaca attcccggaa aggccggggc taaaccccgc 240
tgagggtcaa aaatggcaag tacgtcatcc cgtcaacta ttatgaccag gcaattggta 300
actcaacctg gaggtctgtc cttgatgacg atcttgttgg ggagtgaag ggcgacttgg 360
aatatatttt agggcgcgca ccgtctcctt acattgatgg gcagacggcc gcgcggatta 420
cgttcaagca cgtccatatt aagtcgcgct ccacactgag cattgtaggc atcccggatg 480
gaatggagcc tgcgccaatt gactacgtct cgattctgcc agaggggtgtt attgac 536

<210> 21165
<211> 725
<212> DNA
<213> Aspergillus nidulans

<400> 21165

agattcaggc cctacaagga accccaatct ctctacggaa gctcctgatg gcgttgaacg 60
agtgcactga gtggggccga gtcacaatcc tcacgacact gtctgagtac agaaccagcg 120
ctgtaaacga agcagagcag atctgcgagc gagttgcacc ccagttccag cacgcaaacc 180
ctagtgtggt tctcgtctgt gtcaaaacag tcttcttgca tatgaaaata atcaatgcgg 240
agctatcgaa aaactacctc aagaagatgg ccctccgct aggtattccg agtggttctct 300
gggtgtttaat attgaactgc taatgaatgt ttcagtgacc ttagtatcat ctgctcccga 360
agtgcaatat gtcgccttac gcaatatcga tcttttgctc caaaagcagc cggacatcct 420
taacaaagag ctccgcgttt ttttctgcaa gtacaacgac ccaccttatg tcaagtttca 480
aaagctcgaa atcatgggtgc ggatagccaa cgaccgaaac ttcgaccagc tactagcaga 540
actgagggag tacgccctgg aggtggacat ggatttcgtc cgccgcgcgg tcaaggcgat 600
tggccaggtt gcaatcaaga tcgaaagcgc ttgtgagaag tgtgtcaata ctttgctcga 660
tctgatcaac accaaggtca actacgtggt gcaggaagcc attgtggtga tcaaggatct 720

ttcag

725

<210> 21166
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21166

gtcgggattg aaacggcgaa gaagaagttt gagttaaagc tggaggattt cgggccttac 60
cgagcagact atacacggaa tggccgcgaa ctgctgtag cggggcgga gggacatatc 120
gcgacgatgg attggcgaaa tgggaagttg ggggtgtgagt tgcattctacg ggagactgtg 180
agggatgcgc ggtggcttca caacaaccag tactttgcag ttgctcagaa gaagtcagtc 240
tatatctatg acagccaagg tgttgagctg cacaatctgg acaggattgt tgagccctgc 300
tttctcgaat tccttcccta ccatttctc cttgcttcag ctgtgagtta tacataccgc 360
atttcggtat ctcatattct aacgaagtat agcaaatgag cggccatctc aaatacacag 420
acacatcaac cggccaactc gtcgccgaga ttcccacgaa agttggagcc ccaacatccc 480
tcgccccaaa cccctggaat gcaatcatgc acgttgcca ccaaatggg accgtgactc 540
tttggtcacc gaacacacaa acccgctcg taaaggccct cgtccaccgg ggccctgtcc 600
gctcaatggc aattgaccga caaggccgct acatggtctc aacagggtcaa gatctcaaaa 660
tgcaagtatg ggatattcga atgtatcgcg aggttcactc ctactcctgc caccagcccg 720
gtgccgccgt ctccatctcc gaccgtggcc tcacagccgt cgggtggggc actcagggtta 780
gtgtctggcg ggtctctttt cgacgcgcac cgcgaacgtt ggaaaagtac aatcccccta 840
catgtcctgg 850

<210> 21167
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 21167

ttgactcttc cattgaacct catcaatcat taacgtggtg cttgtactag taccaactca 60
gatactgccc tgctcttgca aataaaccaa ccggcaagcc aaaatcggat gaaggaagcc 120
caaagaaaag atttgacccc ttcgagaatc cttcccgag cttttgatcg cacattttcc 180

gaaagaaaat ccaacccact tctctgttct gaataaattc cccgttatcc ccaatcacta 240
tattctggcg acgactgcct ggcgagaaca aaccgatata ttggaaaagg aagatttggc 300
ggcggcgtag gcctgcgtga aggcgtggaa tgatggaaac cagtcggggc gcacctcgtc 360
caagagattt attgcattct tcaattccgg ttatgaaagt ggagcaggcc agccacatag 420
acatctacaa ttcattctcg tagaggcaat ggcacaggac gaccagactg gcaccttgga 480
agccgtttat tcgacacggt 500

<210> 21168
<211> 501
<212> DNA
<213> Aspergillus nidulans

<400> 21168

atgacgaccc gcaaacacaa cgaattcttg gacatcggaa ccagcgacga cgaagacaac 60
gatgccggat atgactccga agccgctgaa gagagtaaag gtcggactgt gaagcgaaga 120
aagacacaat ctcgagaaga tggcatagaa agcgctccg aggcagagag ctcaggcgga 180
tcagagggag aagaaagcga tacagaagcg ggaggtgtac gcctacgtga aaagaagcgc 240
ggacagcgtg atgaatatga gaatgactca gacgatgatg gcaattacat gaaccaagaa 300
tcccagtacc ttgacgtgac cgccgaagtg gaaaaagcga aggccaaagaa gaaccagaag 360
ccgctcgaca agctaaaaaa taagccgccg aagaagaaca aaacggggcg cgtgtacttt 420
tcattcattac cgccgtattt gaagccattt gcgctcaaat cgcttcttga aaccggtggg 480
ttcaagccta tcacgaaggt t 501

<210> 21169
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21169

tcgtttgcat cctctcgat agtacattcg cgacatcctt cagcagcgcc gtgttctcag 60
cgggtatatc tgccgtgaca gaagagttcc acgtcgggac ggaagtcggc tcgctcggag 120
tgactttata cgtcctcggc ttcgctgccg gtccgattgc ctgggcgccc atgtccgagc 180
tggtcggccg acggttaccg atctgtctag gggattcgg atgcgggata ttcacgatag 240

caggcggaac agcaaaagat atccagacgg ttatgctaac gcggttcttc gctggactgt 300
 tcgcggaag tcccggtgcc gttgtgcccg ctgtctttgc agatctgttt tccacggccc 360
 agcgggggat cgtcattgtct gtattctgta tggcagtgtt catcgggcct tttgcggcgc 420
 cctttgtagg cggtttcata gccatggcgc taggctggcg ctggatccat tataatctcg 480
 caatcatggt ctctctgggc tttgtgctgg cgctttgttt cctcgacgag acgtatgcgc 540
 ctgttatact ggtgcacaag gccgcggtct tgcggcggca gacgcataat tgggggatcc 600
 atgcgaagca agatgaggtg gaggtggagt tcatcgagct tgtgaggaac aacttcacgc 660
 ggccgctgaa gatgctcatc accgagccga ttctgctttt agtctcgctg tataatctct 720
 ttgtgtacgg gcttatgtat gcactgctcg gcgcgtaccc tgttggtttt cagcaggtgt 780
 acgggatgaa cattggtgtc ggtggactgg cattcatcgg cctgatcacc ggccaactgg 840
 ttggcggcgc 850

<210> 21170
 <211> 683
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21170

gctgaagggt atgcgaccaa tgttgggcag cgtggctttc tcctttcagg tggccagaaa 60
 cagcgcattg caattttccg tgccgttggt agtgaccaa aaatcctgct cctggatgaa 120
 gctacttcgg gcttggacac aaaatccgaa ggctgggttc aagcagcttt ggagagggca 180
 gctgaaggcc gaactactat tgtgatecgt catcgctttt ccacgatcaa aacgggcgcac 240
 aacattgtgg ttctgggtcaa tggcaaaatt gctgaacaag gaactcacga tgaattggtt 300
 gaccgcgag gcgcttatcg caaacttggt gaggtcaac gtatcaatga acagaaggaa 360
 gctgacgcct tggaggacgc cgacgctgag gatctcacga atgcagatat tgccaaaatc 420
 aaaactgcgt caagcgcata atccgatctc gacggaaaac ccacaaccat tgaccgcacg 480
 ggcaccaca agtcttgtag cagcgcgatt ctttttagaa gaccctcaa acaacttcga 540
 aatactcatt atggaccctg ctcaaatttg tggttccttc aaccgcctga aatctctaca 600
 tgctcatcgt cttggctttt cagggttagct ggggaggcca cccgcagct gtgctttgct 660
 aagcctcagc caatttgctt cag 683

<210> 21171
 <211> 394
 <212> DNA
 <213> Aspergillus nidulans

<400> 21171

aggatatagct atgaaccacg tcgctggctc actcaagctc tatttagcgc agtaccgcga 60
 gatttcttcg ttttctcaat tcggatcaga tcttgatgct gccacgaagc aaactctcat 120
 acggtgtgag catctgacag agctcttaaa gcaaaagcag tacgctcaa tggctgtgaa 180
 tgagatgggtg cccttgctat atgctggaat caatggctctt atcgacagaa taccaattgg 240
 ccaaatccaa agctgggaag ctgacgtcct cgccatttc aaaagctatg aacctgaggt 300
 gctcgcccaa atcgaaaagg atggcaaact aagccatgac ctagaagctc gaatcaagga 360
 aataattata gcattcaatg cagccttcct atga 394

<210> 21172
 <211> 416
 <212> DNA
 <213> Aspergillus nidulans

<400> 21172

tactatagta gaccagctt cggatctgta ttcaccttcc ttctcccgtc actgccccaa 60
 agtaccgtgc tgagaccctg tacgagggtc ctcaggacga cggggccttc gctggatatcc 120
 gtgactgtga cccaaggct cctctcatgc tttacgtctc taagatgggtt cccacctccg 180
 ataagggacg tttctacgcc ttcggctcgtg tctacgccg tactgtcaag tctgggtctca 240
 aggtccgcat ccagggtccc aactacaccc ctggcaagaa ggacgacctt ttcataaggg 300
 ccattcagcg taccattctc atgatgggtc gtttcgtcga gacaataaag gatgttcccg 360
 ccggtaacat cgtcgggtctc gttgggtgctg accagttctg ctcaagtccg gtaccc 416

<210> 21173
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21173

cccagtataa attcgatttt aaagactaac aaggctctat acgttcgctc ggtgctcgat 60

tgttttcttcc tactccactg agtcgctccc ttggctggat gatgaatata gggaatgact 120
 ttccccgagct aagacagcgc tatctcgaaa gctggggtgc tacaatgata gtaaaggagg 180
 aatgtagcaa gccatcaacg agaggggtgc tcgagtacaa ggataccaca tttggacgtg 240
 caaaatccccg gtgtccagtc attcatctat gcaagaatca aggctaactc atcctcagcc 300
 aaagacttca tgtacacaac atcaattctc caggttgacg tcagtagctt gaagagtaca 360
 ccactctcaa ggtcgaaagc ctatcacttc ctcgaaatctc cggcaaatat caggagccga 420
 gcctcggaaa tottagctct tagacagggt ttccggcatac cgaacccgct catcatctgg 480
 gaacccgccc cctctcctg caaagcagag aacttgacg catgcataga ggccacaggt 540
 actgtcaatg tattctcacc gaatcaccta gagttggccc gccttttggg agaaccatta 600
 tccacccgct ttttagacaa agagaagatc cagtctatgg cgctggagtt tctaaatata 660
 aatgaaggga ttaggccccca cccgaagggg gtcataacg gcccaaactg tatagggaag 720
 ctgcattgga ttccaacgct attatccaac gacagggata cggctgtgtg aacgggactt 780
 gcatattatg aataagaaaa cagctggaac aagtactgac tgcaacggag ctgttaccat 840
 tagacacctt 850

<210> 21174
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21174

cggctatctg gagtatcgac cagttctcgt tcaacttctc cgtacgccgc acgaaaagga 60
 agtcgtcgaa ccgtggctgt acgctgctg tcacgccttt atcgactatt ccttcggttt 120
 actttgagga tgatttccgt cttgaaaatc cgcgcacctt cgatgtagtg tcagagagat 180
 cagaggttgt cacacctcct aaggcgccga gcaaagacaa caaaatggat atagttgagc 240
 ctgcgccaac tgggagaaaag gcgctagcga cgaatgcaat actacaggag aaattgtcat 300
 ggtacatgga tactgtagag atacacctaa tctctcaat ctcgaccgcy tccaaatcct 360
 tcttcacggc ccttggttcg ctacgggaat tgcattgctga ggctgctgat tctgtccggc 420
 gaatccaagt cctgcggaaa gaccttcaaa agatcgaccg agaaatggca ttgggaggat 480
 tgaagatagt taacctacgt cgccgaaggg agaattgtccg catgcttgct gatgcagttg 540

cccagcttcg agacgtggtc gagtccgtca cccgatgtga ggagctggcc gaaggcggaa 600
 atatcgaaga agcagccgat ggccctgaaa aggtcgagaa actgatggcc gaagactata 660
 ctctgatca ggcagagggc gaacaacgga aaactcttga ttacgaaga ctcaaagcat 720
 tagagggtgc atcaagcgag cttgaccgtt tgagatatca gattggcacc ggctatgaga 780
 attcgttttg gaacgactcc tggcgatctg aggcgcatgt taaagggctc cttggctgaa 840
 ctgccagaaa 850

<210> 21175
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21175

gtgtgggcag cggcttaacg ctacaaatgg ctgtgtgaac tgccggaaat gcggaaagct 60
 attttgcgag gagcatacga tgtatcaaata gaagctttct agatctgcgc aacatgagcc 120
 agtgccgggtt tgtggtatag agtctgcgag acttgctata aatcgccggga ggggtataatg 180
 atcataacgg taggtacctc cagcttggtt ggatggcgga ttctaatacag cagtaggtct 240
 ggtcagagat cgcattggacg agttcaaagc cataaggaag cctattgtgg acaagtcttt 300
 gctggaagta tctcggttag agaagcgtct gacgaggctc acgcagctat tagctagcct 360
 ttcaccagag cagcttcagt cgaataagct ctggcctatt ccattccagc atgatgagcg 420
 caaggctctc gagcagacgg ttgttagctg gcaggatgat actagcgtga caagggtgtcc 480
 attctgccaa caggatttct ctagttatac ctttcgaagg catcactgcc gcacttgccg 540
 gcgagtcgtt tgcggtgatg tcttgacggg atgttctgtt gaagttccgc taagcgtaac 600
 accatgtacg tgctgccagc attcaagcaa tattatgcta acttcattta gtgtcgaaag 660
 cctattttaga aaaatcagtc aacgttggtt ccctgaacat cgacatcagg ctctgcaaag 720
 agtgcaagtc aacgctatct gacagaagtg atttcgaggc tgacgttgcg cgaaaacctg 780
 aaaacgttag ggcataatgag aatcttcgac aattcgaaag agggattcga ctgcttatgc 840
 ctaattcaga 850

<210> 21176
 <211> 850

<212> DNA
<213> Aspergillus nidulans

<400> 21176

acgtggcgtg cgactcttac catcgtaccc acgaagatat cgatctgttg aagcagtgtc 60
aagctaaggc ctatcgcttc tctatctctt ggtcagttta cttttcgata tgacatcaga 120
tattgggatg ctgatcttat ccggttcgtg tctaggtccc gcgtcattcc acttggaggc 180
cgaaatgacc ctattaacga gaaaggcctg cagttctacg tcaaattcgt ggacgacctg 240
ctagctgctg ggattacacc gcttgtgaca ttgttccatt gggatctccc ggaagagctg 300
gacaaacgct atgggtggtt gctaaacaag gaggagtttg tcgccgacta tgccaactat 360
gcccgatatca ttttcaatgc actgagcccg aagggtgaaat actggattac tttcaacgag 420
ccatgggtgca gcagtgtcct cggtataat gtcggccaat tcgcccctgg caggaccagt 480
gatcgaagca agaaccccgga aggtgatggc tccacagagc cctggattgt aggtcacaac 540
atccttggtg cccacggcac cgccgtaaag atctaccgcy aagaattcaa ggctcgtgac 600
gggtggtgaga ttggtataac tctcaatgga gcgtcttacg cctcttttcc ataataatag 660
cctcaagtta acggagaata ggcgactggg ctgaaccctg ggaccctgaa aaccccgagg 720
acgtcgaaac cgttccccgc aagatogaat tcgctatctt ctggatcgcc gaccctatct 780
actttgggcy ctaccagaa agcatgatta agcaacttgg caaccgcatt ccggatggac 840
ccccgaagaa 850

<210> 21177
<211> 600
<212> DNA
<213> Aspergillus nidulans

<400> 21177

atcctcactt tagccaacct tctccgctca ggtcttgtcc gcaaccttgg caacatcacc 60
tcgcctaagc tcttcttgca tgccaatgcy ggtacgaagt tgttaattga tgattacatt 120
acgcaggctg ctctctctat tcaacatgtg acagcgctac ataccgcacc ggtgcacgac 180
agcggtttca cctcccaggc gaaagtagag ctgctacacg acacgcgcca ggcttttggg 240
aggtaacgt tgttgctcca aggaggttct atttttggcc tctgccatct cggcgctcgtc 300
agggccctcc atctgcaggg tttgttacct cggattatca cgggcacggc aacgggggca 360

cttattgctg ccctggctcg cgtccataat gaggaggagc tgctagatat tctagatggc 420
gaccagattg atcttttctgc ttttgatcgc cagcgggatg gagctctgtc ctctgcccgg 480
cttgggctgt tgctgcttcc atcaagcctc gcaaacggcg gacttatgac tttgcttcga 540
cggacgaagc ggtactttac caagggtac tttctggaag cagaggttct ggaggagtgt 600

<210> 21178
<211> 850
<212> DNA
<213> *Aspergillus nidulans*
<400> 21178

agccactccg agcgcaccc cctcctcact cctctcactc gcttctatca gggatactgg 60
gacaacatcg agaaactcag ctacccgcat gagatcatta gcctgggctt cataatccca 120
cacacaaaat acggcgacgc cgcactctca gccctcgaaa aagcaatcgc gaagacacag 180
acaggccctg aagagaaccg tttcgcactc atcacatcc ttcgccagga ctctgatcca 240
ccactgataa ctacagaacga gaaggagcgc cataaactcg aaaaccagaa agcccgctcg 300
gaatctatgt cccgcgcacg caatagcctc ctcttcacaa ctctgggtcc tgctacgtcc 360
tggtgctctc ggctagactc ggacatcgtc gaaacccag aaaccctaata ccaagacctc 420
acctcgcata accgccccgt aatcgctcca aattgcttcc agcgatacta caataccgac 480
acgaaatcgt acgacgtccg cccctacgac ttcaactcct ggattgattc ctctactgcc 540
caagcgctgg gtgatacgt aaagcctgat gaaatcctgc tggaaggata cgcggagctc 600
ccgacgtatc gcaccctcat ggctatcaa gcagatacta agaatccgcg cccgaagcgt 660
gtcattgatc tcgatggtgt gggcggcacg gcgcttatgg ttaaggcgga agtgcacgt 720
gatggcgcaa tgtttcctgc gttcccgttt tatcatctag ttgagacaga ggggtttgcg 780
aacatggcca atcggtggg gtatagtgtg caaaagaacc ggattatattt gaacgtttcc 840
tttccgtcgc 850

<210> 21179
<211> 402
<212> DNA
<213> *Aspergillus nidulans*
<400> 21179

tcactatggc gacatccctt ctttcgcttg cattgaacca cccgcttgac ccaacgatcg 60
 cgatgactgg agaattgaca gtgaccggaa aagtgtgcg cattggagga ctgcgagaga 120
 agacggtggc tgcgcgccgt gccggtgcca agacgattat cttcccagcc gataacatgt 180
 ccgactggct ggagctacct gaggtgagtg cttgttttcc aagacagcct aacttgcttt 240
 gtctaacggt ctgcgttcta gaacattaaa tcaggaatcg aaggccacgc agtgagctgg 300
 tactctgaag tgtttgacat cctgtttgcc gatctcgata agcaagctgc aaaccgcgtc 360
 tggcagaagc agctgtcgaa ggagcccaag aagtccaacg at 402

<210> 21180
 <211> 652
 <212> DNA
 <213> Aspergillus nidulans

<400> 21180

tggcttctct ggatggcgcg actgttgaac cgctggcact tgcctgcact tgtcaggcgc 60
 cactattcat ctcgattcca atctttgcgc attgagaaaa cccagtcgcc caaacccctg 120
 cccgactcga ccgagttaca atttgggcgg tctttcactg gcaagtatcc ctcacagacc 180
 cgaagtatat acctatTTTT cctagtagct agcacttata cttgctacag accacatcct 240
 caaactcgaa tggaccacaa cccaaggctg gagcgatgcg caaatcactc cctacgataa 300
 cctgcggtc gaccccgct catgcgtcct ccattacgca ttcacctgct tcgagggcat 360
 gaaagcgtat aaagaccgc atggcaacgc gcggctattc aggctgagg agaacctggc 420
 gcggctcaac agatccgcag ctagactcgc tttccgaca ttogaagaat cggcggtact 480
 ggagtttcta gaaaaatat ttgatctcga aaagagattc atcccgcact tacctgggtca 540
 ctccctgtac ttgcgcccga cgttgctagg caccgatgcg agtattagtg tttcgcggcc 600
 ccggagcgca ctgttggttg ttattgccag tccaatgggc gattactttg cc 652

<210> 21181
 <211> 502
 <212> DNA
 <213> Aspergillus nidulans

<400> 21181

attaccactt ggtttgtag ctacctcata atttcaatgg acgtactaac tcactgtgca 60

atagatatcc ccctctcgct cgctgggccg gcacttgcca ctacgctcgc ctacctgaac 120
gcagagtact cgctttttta tgataagaag atcttccatg gactctttta atccattatc 180
aagtcgcgac tcgcgcagcg ccgggaccgt ctgaaccttt tctatgtctt ggagaactat 240
gctctcgacc cggcgtcgaa agaccggccg ttcattgtct acaatggccg cagctggact 300
ttccacgaga cgtataccgt agcattgcca tatggcacct ggttcaagaa agtccacggc 360
atcaaaccac gtgaaatcgt cgccctggat atgatgaact cttccacttt catttttatc 420
tggttaggtc tctggagtat cggagcggta cctgctttca acaactataa tctcaccggg 480
aaaccgttga cgcattcgat cc 502

<210> 21182
<211> 517
<212> DNA
<213> Aspergillus nidulans
<400> 21182

caacgataaa cgccacaatg actctggcgt cacggagacc cagaacaacg cccagacaat 60
accagtaccg cccccaagac caaacaccta cgggggacag ggagactaaa caagcccaaa 120
acccaaacac gcaaacagcg acggaaccaa aaaccaacag ccacccaaac cgcaggacgc 180
cagccacagg caggccacac caaccacaac caccacaaaa gactgatcac aaagcaacac 240
cgccacaaaa aacacacccg aaaacccgaa cagcaagcaa aaacccaaac gcaccgcacc 300
ggccacaaga agcatcccaa caagccccag aaatcctagc cgcaaccaac caccagcaac 360
cactaagccc gaaagccacc ccaaaccctt aataggaggg aaagaagaac ccccatgccc 420
aaaaaacctt taccaccctc agccaagcca acaaaccccc agacccacc cccaggaaag 480
caciaaggcc caaaaccaac gaaaactacc aaccaac 517

<210> 21183
<211> 731
<212> DNA
<213> Aspergillus nidulans
<400> 21183

aactcagtct ccttatcgat atccgcctct atcgccatgc gttccaagtt taaggacgag 60
caccggttcg agaagcgcaa ggctgaagcc gagcgtatta gagcgaaata tgccgaccgg 120

attccggtat gttttttctt tctttatgtg tttgaagccg tttctttttt tttttttctt 180
gtgttatcct cataaggaac ttgacagttc tggtagaccg cttgttcttg ttcaaggcac 240
taaacgatat tcattcacag gttatttgtg aaaagggtoga gaagtcatat attgctccca 300
tcgacaagaa gaagtatttg gtacctgcag accttaccga tggccagttc gtctacgtca 360
tacgcaagcg catcaagctg tctccaaaga aagccatctt catctttggc gacgaggctc 420
tgccccaac ggctgcacta atgcgtagca tttatgaaga gcacaaggac gaagacgggt 480
tcctttatat tacgtatgtt atcccagaac cacctggggc ttttccaggt gacaaactgc 540
ttgtagatcc ttcggagaga acacatttgg cgactgggta acctggccac cgggtggatta 600
tctcacttaa ttgtccacgc cggcaaaaaa gctcgttttt caaggttctc cttacggaac 660
cagtcttaaa cttcgcgggtt tttggacgag gcaataaaaa attcccgggg gctttcattt 720
agagccaggc c 731

<210> 21184
<211> 500
<212> DNA
<213> Aspergillus nidulans
<400> 21184

accccgcat gccaaagaac tacgagtttt cgatgaaatt tccccgcgaa cgcattctatg 60
cgcgccaccc ggttcgcctt gcaaagccta ccccgggctc actcgtctac agtcgctaca 120
tccccgacct ggacaaacac ttctcactca tggtcgtgga ctggcagaac gaagagcacc 180
tgaagcgggt caaccgatgg cagaacgacc cccgcgtcgc gaaagggttg aacgagacgg 240
gcacgctgga cgaacaccgc gactacctgc gtcgtctcca cgaagacaag catgtcctgt 300
gtctgttcgg acgctttgac gattttccat tcgcctacta cgaaatttac tgggcaaagg 360
tgcgtaatcc ctaaccgtct ggacctcccg tatccctgaa ctcatctgac cctctccaaa 420
aacaggaaga ccactacggt gccactacg atgccggcga ctacgatcgc gggcgacatt 480
cccttgctcg tgaagaaagc 500

<210> 21185
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21185

cgcaaaacct aatctaatacc taatctcgcc caccgagtc tgcccgtctt cctctttccc 60
ccccagagac ggcaacctgc cgtcgccctc gtccctctgct agttcaggct cggctctactc 120
caacgacgaa gcctccaggt cgcagcccg cctgggtgag ccatggccgc actgcggccg 180
ggaccactcg ccgtattcca gccggcccct gcacaccaag acccccggca gcctcagcgc 240
cctggatacg ctgaagaact gcgggtccccg tcaggccgtg aacgagccca tgagcgcgcc 300
ggccgtcgag gcgccacggc ccctatcctt tcgtgcacgc tcaatgtctt tctctcggcc 360
tcagaccccc gcgcagacg cgcggcggcg cttacagaag gagccctcgc gccgaccacc 420
ctcggcccag agcacggcga cttctctctt cttcccagcc cagtcccagt cccggacatc 480
gacccaatc ctgactcacg gtaacgggca cgaagactcg tgccgcagct ccacatactc 540
cctgcccctc tctccagcc agccaccctc tcgcaatgcg agtccgagcc cttactcctg 600
cggctcgccc gcctacaacc gctcccgttc ggggtctctc tacagcgtct ccagcatgtc 660
ggctgcgcat tcccaggcca ccgggaagcg tccgccgctg ccctaccgcg gttcaatctc 720
catggtcaag tccagggtcca gcacgatgcc gatgggtggg tattcgtcca gcagtctgcg 780
agcggagctc aaccgcgaac cagaagagca gaagacatcc tccaagagca agagcaagac 840
ccacagcagc 850

<210> 21186

<211> 554

<212> DNA

<213> *Aspergillus nidulans*

<400> 21186

atcagtgggtg atattcttat tgaaaaagca cgccaaatct ggagttctct atcccagtat 60
cgtgaccagc cccacactgc tttcagtagt ggttggtat atcggttcaa acaacgctat 120
aatatcaagc agcggacata ccacggagaa gctggctcag taccagaaga cgttgaggaa 180
gagatgaagg ctatacgtac gattgctggc cagtataatg aggatgatat ctataatatg 240
gatgaaactg ggcttttctg gcgtatgcct cttcacaga gcctatcttc cgtaaatagg 300
cctggaatta ggaaggataa gactcggata tctatgatat gctgtgtcaa tgccctctggg 360
actgatcgtat taccaatctg ggtaattggg aaggcacata agccacgagc tcttcgcaat 420

atcaatatct cagcaattgg aattcgatgg caatggaaca agaatgcctg gatgaaccaa 480
attattatgc gtgaatggct cctggagttc tatcaacata tcggccagtg atcaatgctt 540
cttacaatgg acaa 554

<210> 21187
<211> 655
<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
<400> 21187

cggggggcca gagacaaang aaaaacagac gcaaaacngc caaggcacac acaaggcgat 60
tgcttaaaca aacaagaccg ccacgaagac acacacaagg aggggagcga tagaaagaac 120
acaaaacaga gcgggggggag gaaaagagac aaagaaggac ggcccagcac acaaagcaag 180
aaacccaac aaagaccaac aacaagaaca aagcgcaagc ccaaagacaa cagagaagcc 240
agaccacaa caaacgcggg accacagaaa aaccccgcca gcccaccagc aaccagagga 300
gaaacgaagg gaagaagggg gaaacacgaa cgaaacgaac acgaccaga gcacaaaagg 360
aaaaccacca aacagacaag ggaaccaagc caaaacacg cagccaaaac agaagccag 420
aggcggagaa ggcaaaggaa gaacaaggga cagaaaaaca ggaccgagaa gaagaggaaa 480
gaaaaaaaag cacaaaagcg aacggggaag gcgaaagccg gaaggaagag gaagaagccg 540
aggaaaaaac ggaacaaaga aaaaagagcg agacaagggg gaccccaaaa aaacaaggag 600
aaaagacaga aacaacaaga ggaacggaac aaaaacccgc aaaaagaaga aaacc 655

<210> 21188
<211> 707
<212> DNA
<213> Aspergillus nidulans
<400> 21188

gcggcaagcc agtcccatcc gctgaattca acctgcatca caacggggcg acttgtgacg 60
ggccttaca cacatggcgc tggtcgaaga aagatcagaa acgtctcgac aagggccacg 120
atatcgccgt agaggcattc aaggacagcc cggattacaa gggaaagcgg ctcgattata 180
tcttcgctcg ggtgaggtc ggatgggtccg tccgcgacgt caacatcgca atgacacagc 240

gccatcctac actcaaatgc tcgctaagcg accattttcgc cgtgcaaacc gtcatacccc 300
 gcgacgtctc gtcaatggca gccaaagcaag aaagtgggtgg cggcaagtcg aatcgccctaa 360
 ccctccctgc agaaacatac acccacatcc tcgacatgat ccacgcctat gttcgccgcg 420
 aacgcacgca gcgtcgggtgg cgcctcattc actttgttgc ctcggtgctg gtcactattg 480
 gctgcctggg aggcgtgtgg tggaacggtg atcgccgta tatcccttc attttgacac 540
 ttatcagcac gcttagtttc ggcgctggga ttttgatgg cttaatcggg ggtctgtttg 600
 tctccagtga gctgagggca ctaaaggagt tcgaatggga gataaggaat acgaagagga 660
 tagctgaggg gcttcagcgg tagatggctg caatagtac tgatgta 707

<210> 21189
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 21189
 agagcagaga tagcgtgat gtccggcggg gcttttgccg ttacgcacca ccccgctcagt 60
 agctgaacag gagggacagc tgatagaaac agaagccact ggagcacctc aaaaacacca 120
 tcatacacta aatcagtaag ttggcagcat cacctaagca gacagtttta ttgttcatga 180
 tgatatatth ttatcttgtg caatgtaaca tcagagatth tgagacacaa cgtggctthc 240
 cccccctg cagcccgggg gatccactag ttctagagcg gccgccaccg cgggtggagct 300
 ccaattcgcc ctatagttag tcgtattacg cgcgctcact ggccgctcgtt ttacaacgtc 360
 gtgactggga aaaccctggc gttaccaaac ttaatcgctt tgcagcacat ccccttttcg 420
 ccagctggcg taatagcgaa gagggccgca ccgatcgccc ttcccaacag ttgcgcagcc 480
 tgaatggcga atggaaattg 500

<210> 21190
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
 <400> 21190

ccttcgtcat cttcggttat aaccaggccg gcttgggccc tctcgcgact ctcaacagct 60
 ggggtggcaac attccctgat atcgataccg tccacaccac gggcgtggag aagagcgaaa 120

actcgaccaa gaaggggtgct gtcattgccg ccttcagct cggagctctt atcggagccc 180
 tttccaccac attcttctct gaccgatttg gtcgccgaat gtccatcttc attggtgcga 240
 ttctcactat catcggacag gtcctgcagg tggcatcata cagcctgcct cagtttggtg 300
 tcggccgtat tacccttggg attggcactg gtcaagtcaa cgttgctggt ccagtctggc 360
 agagtgaatc gtccgcggcc aagaaccgcg gccagcatgt tatcattgat ggaaatgtca 420
 tgtgtctccg ttatgccctt ngcaactgga tcgattntgg tctgagcccg atcgaagaga 480
 gcacgacgca ttggcgcggtg 500

<210> 21191
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21191
 tgctatgcct tcagatccat cggcgcaaca actaccgcat ccagccaatg aaagtgccgc 60
 tatcccgctg atagcgagtt cgtcctcttt ccgaaacgtc tccgcttgca atcgatgtag 120
 gcagaggaaa aacagatgtg accaacgact gccacgatgc caagcctgcg agaaggcagg 180
 ggtccgttgc gtcggttacg atccgataac aaaacgtgaa attccccgca gctatgtcta 240
 cttccttgag tcgagggctg cgtacctga gaaggactg atggataacg ggattgagta 300
 taatgaagct gtggcattcg atgaggagga agctgtcaaa atcgaagcgg ggtatgaagc 360
 atatgcgggc tcagcaaacg gaccagctgc cggcgaaata gccgcgcagg atgggagtaa 420
 tgacaagtcc gtgcggatca agaaggaaaa gaatgggcct cttgggctgg aaaaggcttc 480
 gcgatatgac catgaccocg aggtgaagca agactccgac gcagaagatg gctggcggat 540
 acagaacctc gtttcgaata ttgggatggg ttccggtccaa ggaacctcgg atccgcggta 600
 tctgggttca acgtctggaa tttctttcgc ccgggttgta tttgctgcgg taaagagttc 660
 agtgcctgga aactcatcgg aacgtgggtc atcgcgcccg aaggaacgtc taccgcatag 720
 cgccacggga acggaaggga gcaccacgcg ggactcggtt ttccgggtgc agacaaggcc 780
 gatgatgaag tgtgcagcat tcccggacag ggaactggcc gagcggctgg acgatctcaa 840
 tttggaacat 850

<210> 21192
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21192

```

tgatgatatc tgatgacatt ttatagcttc ctggccccga tcgatatgga agacgttcc 60
tttatccgat gcatgggtct taactaccga gaccacgcaa aagaagccca tattccatt 120
tccgacgtgc cagtactatt cattaaacct cgaactgcgc tgaacgggtcc ccaccagcc 180
atgattaacg tgcccatgat agcccaggat ggctcgagcg actatgaggc cgagctgtcc 240
gtgatcctgt ccaggacagg ccgcgacatt cccgagtgcg atgccatgga ttacgtgctg 300
ggctacacgt gcggcaacga tgtgagcgct cgtacgcagc agtttaagaa tagccaatgg 360
agcttctcca aaggtaaagc gaaaccacat tggcactccc agcttgtctt gtccctcttg 420
aggctgattt gcgattgtta gggctcgatg gctcgtgtcc gctggggccc gttttggtgg 480
ctccctctga actcgacctg caccagctcg atatcaaggc cattcacaat ggtgcgggtg 540
tgcaggactc caacacaagg tacggctcctt attgtttatt tttattttta tttattttta 600
tttttttgcg agtcctctaa cgagaagagc ccgtgctgat tagaatagag agatgatatt 660
cgacatccct aagataatcg cgttcctgtc acagggcact accctagagc gcgggacggg 720
gatcatgacg gggacagggc caggaattgg ggcaatgcgt gatcccaagg tcgtgctgag 780
agatggcgac gatatgcggg ttcaaattca gggaatcggc acgctctgta accgggttta 840
ctatgaatag                                     850

```

<210> 21193
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21193

```

ggctgtggtc ggcgagattc tcggcctgct cgtcaacggg tacctggccg attactttgg 60
ctaccgtcgc acaatccttg gcgccttggc tgtgctctct gtctttatat tccctogagtt 120
cttcgctgtg agtacgcgaa tgttgcgtggc ggcgaggtc ctctgcggtg aacatgagac 180
gcttcgctgt tgtcaatgga acgtttgttc tgaccatcat caggaatccc ctggggcatc 240
ttccagactc tgtccacgac atatgctgcc gatgtcatcc cggtcgcgct ccggggcgta 300

```

tttctgagca gtgtcaacat gtgctggcta ctcgccagc tttcagccgt aggcgtcgct 360
 cggcttcttg taaccagcaa atctgaatgg gcatatcgcg ggccgtttgc cattcagtgg 420
 gtgctggctg tctctgtttt tattggtgtc tattttgtc ccgaatcacc atgtacaacc 480
 accccccctc ccttcctagc cgcaactcca gcgttttcag ggccgagctg attctaaaac 540
 aggggtggtg atccgcaaag aacggcctca cgaagccaga aaagtgttgc ttcaactaac 600
 ggagtcacgg cacggcggcg tcaatgtgga cggcacagtc tccatgatgc agcatacaaa 660
 cgaggccgag aaattcctgg gcacgagccg aatggcctac ctogactgct ttcgaggcat 720
 cgacctccga cgcacggaaa tcacatgcat gatctggatc acgcaacagg cgtccttctc 780
 cacgtccga acgtatgcgg cgtatttcta cgagcaagcc ggccttgctt cacaagatgc 840
 tctctcactc 850

<210> 21194
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21194
 gaccgggtag ctccaattat gaagatccaa tccgttcctt gagcgggact gctgccgctg 60
 ctactgccgc gtccgttgca gccttgcgac cgccgccagc agtccccggg gctgtcactc 120
 gaaaagagaa ccgaaaaccg cgaacagggtg cccgtaagaa gcgaaagggg gcttggaaaa 180
 aattgctttg ggtaaacag tcatgtacgc ataatatgaa ttggcgtctg tcatgccgcc 240
 gctcatgctg atagaggaac agatccggac aactacaccg atacggagac gtttcttgac 300
 catttacagc gaaatcctcg agtgcgtccg tatgactttt ggccgatggg ggccgactcg 360
 accgttatcg tacaacatgt ctgttcggcg gctattttcg tctgctgttt cgcgggtatc 420
 gtccagggcc gggtaagccc tgtctcggtc gtgtgctggg gaagcgttgg gactgctgtc 480
 ggctggatac tctgggactg 500

<210> 21195
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21195

catcgtttcg aaatgatacc atttggttatt ctcggtatcg tgggcggtct ctatggagcg 60
ttcctcatcc gattgaacat gcgaattgct aaatggcgaa aaacgcggag tttctcccat 120
ccaataattg aggttgttgt cgtatctatc ctcagcgctc tggtaaaacta ccctaacata 180
ttcatgagag ctcaaaactc ggaacttgct cattcgctgt tcgccgaatg cagtgcagga 240
actcctgacc atttcggtct ttgcaagact ggggcagcgt cagctggtac agtagctctt 300
ttgctttag ctgctgtcct aggatttttc ctcacgacaa tcacatttgg gcttgatata 360
cctgctggta ttatccttcc atcattcgca atcggtgctc tgtatgggag tgctctagga 420
acggctttca aaatctggca ggactcttac cctgggtttt tcctcttcgg gaactgtgag 480
cctgatatacc cttgcgtgac tccgggactc tacgcaattg tcggggcggc ttcagccctt 540
ggcggcgcta caagaatgac cgtatcaatt gtcgtcatta tgtttgaact tacagggggc 600
cttacgtatg tcaccccat catgatcgca gttatgttgt ccaaattggtg cggggatata 660
tttgaaagc gcggtatcta tgaatcgtgg atccagctca acgagtatcc tttccttgat 720
caccgtgagg acaccgctcc tcccgatgta cctgcccattg ccgtcatgac aaaaacagat 780
gaccttacag tccttaccgc cgtcgggtcat acggttggct ctcttcgaaa ccttcttcag 840
actacctcat 850

<210> 21196
<211> 500
<212> DNA
<213> Aspergillus nidulans
<400> 21196

tgggagaaag ctggaggtcg tactggctga tgaagaacac aagtaagttc cagaatgtag 60
tgattgtcac tattgtcagt tggcttgtgt tgtttgcctt tctgccaac ctgatgatca 120
ttggcaccag ctttttgacc cgcgacgacg ccagttttgt caaaatggtc tttacgctgg 180
ataactacac gcgtctgctc gatccgctct attttgaagt gctattgcac tcgctgaata 240
tggcgctgat cgccaccctc gcctgcctgg tgctgggcta cccgtttgcc tggtttctgg 300
cgaagtggcc acacaagggtg cgtccgctgc tgctgtttct gctgattgtt ccgttctgga 360
ccaactcatt aattcgatc tacgggctga aaattttcct cagcaccaaa ggctatctca 420
acgagttttt gctctggctg ggcgttatcg acacaccaat ccgtatcatg ttcacgcca 480

gtgcggtgat tatcggtctg

500

<210> 21197
<211> 724
<212> DNA
<213> Aspergillus nidulans

<400> 21197

cgctgtcggg tgcaatgtca gcatgctgct acaagatccc ccggcgtttg ccctgccagc 60
cccagctttt tggcctgggc ttccaacaca ccacgtcggg gtcacctcgg gacgcaccgc 120
aacggcccat gaggccaatc ggaagcgcct tcatgctgat ctctctgcgc acccagacac 180
caacctcgcc gacctgcct acacgacgac cgcacgccgg atacacaacg tccaccgtga 240
ggcgtatgtg gcctcatcta ctagcgacct tgtgcggcag ctcgagaagc cattagcaga 300
caaggtggaa tccgcgccgc caccgcgagt cgtctttacc ttcacaggcc aaggcgcaca 360
gagcttgggc atgggggggtg ctctgtatag cacgtcgccc accttcgctc gcctcttgga 420
ctctctgcag tcgatctgcg aggtgcaggg gctgccgacg aagtctctca acgccatccg 480
cggtagcggc gccgaaggcg ctaccgtcac cgaagtggac atgcagggtg cgactgtcgc 540
cctcgagatc gctctcgctc ggtactggcg gtcgctgggc atccgaccga cgggtgctgat 600
cggccacagc ctgggagagt atgcagcgct ctgtgtggcc ggggtgctgt ctgccagcga 660
tgctctggcc ctggccttca gacgcgcacg ctcatcttca ctcaagtgtcc gccatccgaa 720
gcag 724

<210> 21198
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21198

caccataacc gggaccctgg acgaacaatg gttctacctc gtgtccgtcg ccatcgaagc 60
ccgcggtggc ccggcgatat cactogtact ccaagccatt gctgcgcggg tcggaaacac 120
cgccgtcggt atagaatact tgcaagctct tgcagagatg attgatgaga tcggagccgt 180
actggaaagg atgtatgagc ataacgaccc ttacgttttc tacaataaga tcaggcctta 240
cttggcagga agtaagaaca tggccgatgc gggcttgccg aatggcctac tctatgatga 300

tggcaagaag ccggagtacc gtcagtacgg aggagggagt aatgctcaga gttcgttgat 360
 tcagttcctc gacattgctc taggaatcga acatcgaccc actggagaga ctcgccctag 420
 ctcgtcagag aatggtggcg tcgctgcagg cccacgtcac ggtttcatcc aggagatgcg 480
 ttctacatg ccaggtcctc atcggaagtt cctagaacac atgggcgcgg tcgccaacat 540
 ccgagagtac gtggaggccc ggcgctccaa taaacctctc agccttgccct acgacgcatg 600
 tttgtcaatg ctgcaatcaa tgcggactaa gcacatccaa atgggtgtcg gatacatcat 660
 cactccgtcg caaaaggcac gcgagaagcc ctcgcgcccg gcgagcttga atcttgccac 720
 cgctcgccac agcgagaagc ccgatggcag caaactacgg ggcacaggcg gcaactgcatt 780
 gatcccgttc ctcaagcagg ctcgaaacga gacgggagag ccgatgattg actcctgggc 840
 acgacgtctg 850

<210> 21199
 <211> 580
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21199
 acccaaaata cttgcggcaa tcggctcggt tagatcccg aaaagagtgc tgaaagtagg 60
 caacgcgttg gtcgaaggc cctctcgaga atatggcgcg agcagctctg aacacccacc 120
 cctcttgaaac tatggtggtg agaacgaaca gttcgtcgag tatgacgaga ctgaagcggt 180
 caagggcgct cccaagaaag caaccaagtc caaataccct gaagatattc tcacgaacaa 240
 tcacaaatca gtctggggta gctggtggca caatttcaa tggggatacg cttgctgctt 300
 ctcaacggtc aagaacagtt attgtactgg cgaggaagga aagcgcgcac tcgaggaagc 360
 gcggaacatg ttgtactgc caggggatga gaccgagcag ccgtcgctgg cagtcgagtc 420
 tgctagtcgc caggaagagc cgagcgcaga aagtcacaac cagcagcgag attctaagaa 480
 gcgaacgctc atggaggtcc agtcagggat tactgaggag gaattagagt catataagcg 540
 cagccgactt gcagctgatg accctatggc cgcatttatt 580

<210> 21200
 <211> 555
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21200

tgcacttggg ggtgctgacg gttctgtttt gatatatcat attcaagggtt ccacgattaa 60
gaaccacccc aggcgactac attggcatcg agaccctgtc acagccgttc gctgggtcaaa 120
agatggttgg tcgcctctta caattcacag aattaaaaaa agctaactga aataaaggca 180
attacgtcct atcaggcggt cagagtcag tcatgggtact ttggcaacta gataccagcc 240
gaaagcagtt cctccctcat ttgtcttctc caatttgcag catagtgtgt tccgaaagtg 300
gtaactccta cggtgttagg ctggccgata atcgtgttgt ggtcttgtcg gcaaggggaat 360
tgcagcccat ttctacaata actagtctgc aagtcgctcg tttagcaaac acatgcaaga 420
cagttgcagc tgtgcacccg cagcatccag agcaacttct aatgcctcca ccagcttctc 480
gccaactcac acaaagaaaa attacttcag caagtgttc tgttctgcag acaaatgaca 540
ctcggtcatg ggtcc 555

<210> 21201

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 21201

aattcggact catcaaagga tgaatcctcg ttgcggtcac catcagcgcc tgtttgatga 60
gtatcgccct caccagagtt agtttgatgc aaattactga gacttaagtc ctttgcggag 120
aaaaatccca gtaatccagg ttcaccaccg tcttcgtcat ccgactcagc ctcgctatat 180
ccatcgatcat cgctgtcacc catgtcatcg tccatatcgg tagattcatc actatcatct 240
atgagcactg ggtcaacttc gtogagttct acttgaccgg aagaatctgg cggcggagat 300
cggttgacac cgccagaagt gtcgccaggg gtattgtcag cagcgatgtc gtcactgtcc 360
tcagagtcct catcggaata tggagattgg tctggatggg ggttggtatc tggtaaattt 420
gcatatttca atcgcagctc ctctgcagtg aggccacat catcgccct gtcacccccg 480
tcttctctt cggtttccgt cgacatatta ctctaccct cctcgatc attctcagac 540
ccattatcag tctcgacttc ttcacatca gttgtagtct ccggggcatc gtcacctgtt 600
tcgccccaaa tctccagccg tcgtttttca aacaacatgg tggactgctt aatcgccccg 660
tccaaagctc gttgatcttt cgctttctgc tctcttccc accgtgcgag tcgtacccgg 720

tcgatctctg ctcgggccag ctcgaaacatt ttcttgaggt ccttggccag ctgcagaaac 780
atccccgcga tttcttcatt ttgttccta agaataatc cgggtcttt attgcgtaaa 840
accataccgg 850

<210> 21202
<211> 571
<212> DNA
<213> Aspergillus nidulans

<400> 21202

caactttatt cgcgcaaaa ccagcgagcc ggacccaca gacgtcgag gtaacttga 60
gctcctgctc cagaacaagg ctggcgaatg ggtcgcccc gagacacaat cgccctggct 120
tcgaccatcc ccgacaggtt tccgcaagct ccttaagtgg ctcagcgacc gctataaccg 180
ccctaagata tacgtcaccg agaacgggac cagtctgaag ggtgagaacg acttgccgct 240
tgagcagctg ctgaaggacg atttccgcgt aaagtacttt gaggactata ttcattgctat 300
ggctgaggcg tacacctacg acaatgttaa tgtagggct tacatggctt ggagcttgat 360
ggagtgaagt cctggcctcg ccaccgacat tcatttcggt gaactatoga aaaatgctga 420
ctccctgcta tctagcaact ttgaatgggc cgaagggtac gagaccgct tcggcgctac 480
gtacgtcgac tacgaaaata accagaagag atatcccaag gcaagcgga aggccatgtc 540
agagatcttt gcgaagtata tccagaatga g 571

<210> 21203
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21203

gctctattcg tcgtaggacc catcttcgac cgcgtcgcc ccaggatctg cctgctgttt 60
ggaggatgga cataccccct gtacgtgga agtctcttgt gcttcaaccg gaccggaaac 120
ggggcctttg ttatcgctc tggcgcgatt ctcggtattg gcgcttcgtt tctctgggtc 180
tcccaggcg ctataatgac cacctacgtc cgtgaatccc agaagggtcg cgccattgcc 240
gcgttctgga tcattctcaa cctcgggtggc ggcgttgat cgctcgccag ctttgggtc 300
aactaccact cgaccagtgg gactgtctca gacggaacat atatcgccct gttgatctc 360

atggccgtgg gctggcttct gggcatgctc atatgtcctc cgtccgccgt ggccttgaa 420
gagcttcagc aatcgccccg gactcagact gctgtggctg agactgagaa gcccattgg 480
aaaagcactc tgcgcctggc tgcacgcacg atccttgact ggcgtgttct ctgcatgctc 540
cctctcttct tctgtgcaa tgtctttctac tcctatcagc agaacatcgt gaacgggatg 600
accttcaaca tccgcacgcg ctccctcaac agcgccctct actggctcgc ccagatgctc 660
ggcggccttg tcatgggtct catcctcgac attcccgtc taacggccccg gccgcgcgcg 720
agcgggatgg ctcttctcgc ccgtcacggg gctggccatc tggggcgggc gtacgcgttc 780
gagaaatggt cgagtgaccg gtcgcgcacg gtctgaagca ggatatcgac tacacgcagg 840
gcactgtctc 850

<210> 21204
<211> 754
<212> DNA
<213> *Aspergillus nidulans*
<400> 21204

ccaaagaccc accagacccc atggggggcaa aaccagagaa gggagcggcc gccaccaaac 60
acgagaacaa gaagaccgag cggagacagc cagacaacgg ggcgcacaca gaaaaaggag 120
cccacaccaa agggacaccc gaaaaccggg gccacgacca gaaccaggga cccccaggc 180
cggagcaaca agcaggaagg acagaggcca agaggggcag gcagcaccta agcaccacag 240
gagcccgccg aaggagcaca accaaagagg ccccgaccaa aaaggaacaa aggccagacg 300
acccgccaca accaggggag gaaccaaaca aaggaaaaag gacccgaggc caacaacccg 360
agacagcagc caagccaacg gcccaaaaac agaaggcacc gaccccaaag agaccaaacg 420
acccccggca gaacaccacc cgcgggagcg ggccaacaac gggaccgcaa cagaaagggc 480
ggaggacacc cacgacccgg gaaccaggaa aaaacaaagc cgcacggcca caggagcggg 540
aggcaaccag ccggggggcc caaccaccg gcccccacaa aggaaacccg ccaaaccg 600
acgacacaaa aaaaagaaaa gcccagcgg ccggccaagc caaacctga ccaacgggag 660
gggcccgcag ggccaaacgg gaaaccacc ggaagaaaca cggccgaagg gggccaaaag 720
cccagcccg acgggggcag tcggccacaa acca 754

<210> 21205
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21205

```

acatcaagat attgtggagc tgcttctgga ccatggagca gatgtcaaca ttcagggtgg 60
caattatgga acagctctac aggctgcttc ttttagtgga gatccagcaa ttatgaagct 120
gcttctagac cggggagctg aaatcaatat ccagggtggc cattatggga ctgccctcca 180
ggctgcggtt gcttccttta taggacacca ggagattgtg aagctgcttc tagaccaagg 240
agctgaaaca atagccaggg gggttattat ggaaccgccc tccaggctgc tgcataataa 300
ggatacgagg agatcgtgaa gctgcttctt gaccaggagg ctgaaatcaa tagccaaggc 360
ggctattatg gaactgctct ccaggcttct gccttttagtg gagatcaagc gattgtgaag 420
ctgcttctgg accatggagc agatatcaac atccagggtg gcaattatgg aacagctcta 480
caggctgctt ccttttagtg agatcaaaca attgtgaagc tgcttctaga ccgacgagcg 540
gaaatcaata gccagggtgg ctattatgga aatgctcttc aggctgcggc tgcttcattt 600
ataggacacc aggagattgt gaagctactt ctagaccggg gagctgaaat caatagccga 660
gggggctatt atggaaccgc cctccaggct gcggcatatg aaggatacca ggagattgtg 720
aagctgcttc ttgaccaggg agctgaaatc aatatccagg gtggtcatta tgggactgcc 780
ctccaggctg cggctgcttc ctttatagga cacaaggaga tcctaagctt ggggtctcct 840
atagtagtgt                                     850

```

<210> 21206
 <211> 491
 <212> DNA
 <213> Aspergillus nidulans

<400> 21206

```

cgtcagcccc ctcagctaac tgcgagtcg cgaatgagcg tagagtcaga tagatctgag 60
gaatcttttg acgcggtcga cgccaccgat tctcaattgc tcaactatcaa aggcgacagc 120
gacgaggata cagtagcaga tgcccaagca gatgtcgttg ctgacgatgc gccgtccgat 180
agcgacgatg attctacgga agccgggggc acgggtgctgc gcacgaccaa cactctccat 240
tattcccagc gcgacaaaaa acccttactc cgctgccact cgacacgggt cctcggcgga 300

```

ataacatccc tgcaccgaca gtgatgccgc ctagcttgat tgggtttctt cgcaagaacg 360
 tcggcaaaga cctctcgcaa atttcaatgc ccgtatcttc caacgagcct ctttccttac 420
 ttcaacgcgc cgccgagatc atggaatact cggccctcct cgacaaggcc gcacaaatca 480
 gcgatgcaaa c 491

<210> 21207
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21207

atcttcctcc ttccagatca accgctcaca gaatttaggc acgagggaaa gaggcctcc 60
 gcggtccagc ataccatcaa cgctcctcc cagcatatac tcacctgaaa gttcggtgag 120
 tcacttcgac tgtgttgtgt attatctggg tgatcctgac ggaacaagtc aatctggcca 180
 gggaaccgag ggtgaagcag cgcgtcgca cctgcgcgcg gagctgctcc aggagagggc 240
 cgctcacttt gccagaaga atggagctcc cgctcctgaa gcatctgccg aaagcactcc 300
 caagcgtcag cttgaaggcg ccctgcgaa tggaggagat ggagaattag aagaagacct 360
 ggaagcaaag cggcggcgga tattagagga aacgagagag atagatgcag attcggaagc 420
 gtcggaagaa gatagcagcg aggacgagag gttagtggta tggtgccagt gctctgttgc 480
 gagctaacaa gccagtgat gacgaggacg aggccgccga gctcatgcga gagcttgaga 540
 aaatcaaaaa ggaacgctta gctcagaaag aaaaagaggt atgtcaagag ccatatcatg 600
 cgtaagcaaa tgatgcttac ttggtcagga acgcgagcgc gccgccaagg aggaggaaca 660
 acgggaggtg gacattgcgc gaggcaatcc gctactcaac ccttcagact ttaacataaa 720
 gcgacgatgg gatgacgacg tcgtttttta gaaccaagct cgcggaacgg aggacaagag 780
 gggaaaggag tttgtcaacg acctgctacg gtctgacttt cacaagaagt ttatgtcgaa 840
 gtatgtgcga 850

<210> 21208
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21208

caggatgcgg agaaattgtt gaatggcttg gacgcgggga agagactgca ggagcagctc 60
 gagggcgcggt ttctgcaccc gtatagcccg aactggcagg atttcgagta cgcagaaaga 120
 gtgcgacgag tttgacgagt atcttggttg cgcggacaag ttggccgagg cgactgtaag 180
 caaggagcat catgtaagct accatggccc catatggcta ggatgtcggt gctgggtcag 240
 tgctgacggt gtgtagaggt tcaactggctc tcagattctg agattccaga agaaataccc 300
 ggatgtgtac aagaaaacgt cgaggatctc cctagtgtcg tctttcttgg cctcggtggt 360
 ccttgcccat atcgcgcctc ttgatatttc cgacgtctgc ggtatgaacc tgtggaatat 420
 ccacaaaggc gcctacgatg aggaccttct aaagctttgc gcgggcccgc atggcgctca 480
 ggacctcaag cgcaagctcg gcgacgtccc tgaagacgga ggcacgacc tgggcaagggt 540
 gcaccgctac tacgtcgacc gctacgggtt cagtcggag tgcacagtca ttccatccac 600
 aggcgacaac ccagccacga tcctcgccct gcctttacga ccatccgacg caatgggtctc 660
 actaggaaca tcaaccacct tcctcatgtc gacccaagc tacaagctg atcctgcaac 720
 ccatttcttc aaccacccga ctacccggg actttacatg tttatgctgt gctacaagaa 780
 cggcggggctt gcgcgcgaaa agatccgcga cgcaattaac gatgcaaaga acgagaagaa 840
 cccgtcaaac 850

<210> 21209
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21209

cgatggtttt actatatcaa ccccttcggg cttggatttg ctagcttgat ggtcaacgaa 60
 tttaaaagcc tcaatatgac ctgtaccagc gagtcctaa tcccaaattg tgatggatac 120
 accgatatga accaccaagt gtgtacgctt gctggaggtg aagcaggttc cccaataatt 180
 cctggtcaga gctatttatc gaccacattc aactataaca gagaggatct ctggaggaac 240
 tttggcatca tgggtggcct catcattgct ttcttaggga tgaatctgta ctccggtgaa 300
 gttgttaggt ttaacgctgg cggcaagacc gtcaccttct atcagaagga aaatgctggg 360
 cggaagaaac tgaacaaagc actggacgaa aagcgcgctg ctcgacagtc gaacgacctt 420
 ggtggccctg gagccgatat attgctgaca tcgaagccag tcctaakatg ggaagatgta 480

tgctatgacg ttcctgtgcc gtccggcact cgacgactgc tgcacaacat ctacggttac 540
 gtacagcctg gtaaactgac ggccttgatg ggcgcatccg gagcggggaa gacgaccctg 600
 cttgacgttc tcgccgcgcg aaagaacatt ggcgtaattt ctggcgacat tttggtagat 660
 ggtgccaagc atggtacatc gttccaacga ggcacttcct atgcagagca aatggatgtc 720
 catgaaccta tgcagacggg gcgcgaggca ctgcgtttct cagccgacct tcgtcaatcg 780
 tatgacgtcc cgcagtcgga gaaatatgct tatgtgaaga gtttcctaata agtgagtcgt 840
 attatcgcca 850

<210> 21210
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21210
 gcaaggcgtc gtccaaacac aagccatctt tgctggacac tcgctgggag agtatagcag 60
 cctcggtgcc tgtacaacta tcatgccttt tgagtcgctt ttatcggtga tcctctatag 120
 agggctcaaa atgcagaata ccctgccgcg caacgctaac gggcgacttg actatggcat 180
 ggtcgctgcc gatccatcgc gaatccgatc aggtatctct tttccctgat catgcgcgac 240
 attctgagtt aacatttcgt agacttcacc gaagaccgac tgattgagct agtgcgactt 300
 gtcagtcagg caactggcgt gttgctggag gtggtaact acaacgtgca ttcgcggcag 360
 tacgtatgtg ccggccatgt atgttctcgc tcaaactccc tgtcatacta ttttctgttt 420
 tcctatcagg cctaataagcg aacaggcccg ctctctctgg gtactcagcc acgcgtgcga 480
 cgatctatcc cggtcgacat cgccaaatag ccacaaacc atgagcgaat gcattgctca 540
 ccatatcccc agcagctgct ctgtcacgaa tgaaactgaa ctatcccgtg gccgtgcaac 600
 cattccactt gccgggggttg atattccgtt cactcgcag atgctacggg gacatattga 660
 tggctacaga caatatctga ggcaccatct gcgggtgtct gatatcaagc cggaagagct 720
 cgttggacgg tggatcccca atgtaacagg gaagcccttt gcgttggacg caccatatat 780
 tcgattggtg caaggggtaa cgcagagccg gccgttacta gagctgttac ggcggggtga 840
 agagaatagg 850

<210> 21211
 <211> 666
 <212> DNA
 <213> Aspergillus nidulans

<400> 21211

```

ggatctcagc gctttttctg gcgtggatct cccgctctgg gatcttaaag gtgagagtgt   60
ttgagacgaa ttttatttga gccatggctg gtctgactat caatagcaag acgactcggt  120
ctcccaatat atcagcttct cggcggcaaa gtgagggata agctcaaagt gtacgcttgg  180
attggtggtg accgtccagg ggatgttgag gcacaagcgt atgaggcact gttgccattt  240
gatgtacgga ttatgatgtt ctaacacctt acagccgggc aagaatatca cagggcttta  300
aagctgtgaa gatgaacgcc ccgaagatct tgtcgtggct tgactcacc ccatgctttg  360
acctttcggg tgagcgattg aagaccgttc aagtccttgg gggattgcgc cccggtgttg  420
acttccatgg cagagtccac aaggcaatgg cgcaacagct cgcatacaag cttgcaccgc  480
acgagccctt attcatcgaa gagccgctcc tgtctgagca tccggaatct gtcgcagcat  540
tgtccaaact tgtcccgatc cctatcgccc tctggagaac ggctacatag ccgctgggat  600
acaagccgtt ccttgagtcc gcctcagtca gcctcctgcc aaccagagat ttccagtagc  660
ggtcct                                           666
  
```

<210> 21212
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21212

```

ccgaaaaagc gtatcgagtg aatcgtttct gcggacaagc caacttgggg actcggcagt   60
tgacgaggat gcgtcccagc cgaaacggaa caagacacag ctgtggaacg aggttaagat  120
tacctgtacg ttcttcaccc ctctctgttg cggcaccagt ggtgatgatg atgatgatga  180
tgatgatgat gatggcattt ttgtctcaga gacacagcgg cagtcaatgg atatcttgtg  240
atactgactt cgttttagcca ttactcgggc gtttaccctg atatacactc tatccctatt  300
gacaatcttc acgcgcgtcc aactaaacct cctcggccgc cggaattatc tctcgagcgt  360
gatttcttta gccacgcctg cggactcctc gagaatcact ttagaggatc atgatgatga  420
tttgacgcaa acgctgggga acgacttcga gaccaaccga cggatatctg cttttagctg  480
  
```

gtggctgctt catcgtgggtt ggaagcaatt aatggaggag gttaaggccg cggtagtgga 540
 agtggtcggc cactgaacc caagggatga tatttccttt gacaagctat cggaattgac 600
 ccttcagggtg cggaaaaaga tcgaagggtc tacggaggaa gagaggaagt gcgtcacctt 660
 tagaccctat cacttgagcg aaagaagacg ttttgctgac agtattttaa gacgtcgaaa 720
 gtggctgccc tacttgcttc cgccgagaga agacgaggat cacctgctgg aggagtccgg 780
 cgtcctcggg gtcacagaac cctcaacccc ccaaacagca gcgacattgc gccatcttct 840
 cgacgagact 850

<210> 21213
 <211> 290
 <212> DNA
 <213> Aspergillus nidulans

<400> 21213
 taccttgact gatgtgatcc cccaagggtg tcggattgtg ttgcctttgc taacagtgac 60
 gcatgttttg taacctgacc atctctgacg tctacatttc caatatgtac ggaacgacat 120
 cgtcagcgcg ggatccgaac atcgggtcaa ttgtttgctc gagtcgggat gtttgctcca 180
 atatctatgt tgagaatatt gatgttgta gcccagcgcg tacaaatgac tttatttgca 240
 cgaatgtgag tcaacaattc acctcgcccc cctgtgtctg ccgaggagga 290

<210> 21214
 <211> 502
 <212> DNA
 <213> Aspergillus nidulans

<400> 21214
 gtcaacaaga agctcgatgt tccgctgaac tcgatgatgc tgggtatggc cattgaactc 60
 cttatcggtt tgatctactt tggtcatcg gccgctaca acgcccttct ctggcgctcg 120
 tgtcattctt ctcaactctca gctatgctg cccgatcgcg gtctcgctgc tctccgctcg 180
 ccgagaggat atcaagcacg gtagcttcga tctcgagcg ctagggttat tctgtaatat 240
 tgtagctcta ggtacgttca ccccgccccg ttaactctc atttattgat ttcattgcgc 300
 atggaccgtt ctgctcatcc cctcttcaa tttccccagc tacatgagcg ttactcttga 360
 aactatgaac tacgcctgcg tcgtgttcgt tggcatcatc gtcattctct ccgtctggta 420

ctggatctgg ggatacaaga actacgctgg tccgcctacc gatgccattg atccggagggc 480
tgatcatccc gctgggagta gc 502

<210> 21215
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21215

gtctggcggc tctagccatc gcaacagtaa ggcgctcga tcagacttgg agagaacggc 60
atttgctaac ctaggcagtg gattaacaac tacaacttcg tcgtcgacgt caagtatgca 120
atgctctcca tcttccgcaa tctgtgcttt ggctaaccag cgcaggtctc aaagccttca 180
actcgtcgtc agcatcaagt ctagtcagat caccagcaat ttggatctac tcgacacgac 240
gtccaagaca atcatcactc gcatttctcat acaatccgcc ttacagcgct attatgctgg 300
taatacaacc gaggaaaatt tcgcctcgtc gatcaccgac gtgcaatcag ccctaggtag 360
tcgcgggtat ctcagcctct accaagccag catctatgcg agaaatgtcg agaacggaga 420
atcaaaagca aggcgattac tcaacgtgac cagcgacgag gttcctgaaa tcaggcttcc 480
ctatgatcat ccgaatggca cagcggtgat gcttggggat gaaggattgg gatatccacc 540
ctcactctat ccgaatctga cagaagatgc gaccacgaac aagttatacg cttttgatgg 600
tgtgccgata accacgaacc agccgttact tctgggaccg ctcgccacga acgattcttt 660
ctcgttgatt tccttgcgc tgccgattat caacaatact tcagctgcgg atattctggg 720
ctatattacg tatgacgctg cttcttccag gttgactctg ctaactcttc agtgtcgttg 780
cgagcgccgc gaatctgcag gatgcgatga gctctcggca agggcttgga agctccggtc 840
aagtcctcct 850

<210> 21216
<211> 738
<212> DNA
<213> Aspergillus nidulans

<400> 21216

atggagccaa tcaccattcc caccgaccgc gacggtgtcg cctaccttta cggtcaccca 60
ctgcgcaact cgctctctcc tctcttcat caaacagtct acaacgcgct tggcctgaac 120

tggactcaga tccctctgtc tacagccact ggtacatcgt tcacgagatc accggaata 180
 tccaccttcc tctcctccgt ccgctccaat cccaaatttg tcgggtcgtc agttacaatg 240
 ccctggaagg tcgcatcat gccacacctc gatgacttga ccgaggacgc gcggcaagcc 300
 ggcgcttgca acacaatata cttgcgcaag gaagacgatg ggaagacaca gtatgttggc 360
 acaaatactg attgtattgg gatccgggaa gctctgctac aggggtcacc gaacggtgcg 420
 gaacatttca aaggaaagcc tgcgcttata gttggtggtg ggggcaactgc gcgaacagcg 480
 atctacggtc tgagaaagtg gctgggcgtt agcaagatct acatcgtcac ccggaatgcg 540
 aagaaggtgg aggcgattct tacgaaggat aagcagcgaa accagtcgcc gcaggttgcg 600
 ttggtccccg tctcagatcg gtctgagacg acgacgctag aggcacccgt tgctgttgtt 660
 agcgggatcc ccaattaccc gccgcagaca gaagaggaga tcctaagctt ggggtctcct 720
 ataggagtcg tgtgatcg 738

<210> 21217
 <211> 379
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21217

cactgtatcc agaagttcta tcggggacgg gtctgaagtg ggcagacatg aggttgagga 60
 tgtagagggg aaggagctga aggatattgt cccgctgtgt gataccgtta tctctggtgt 120
 ccctggggac aagtacaagt tcgacactag cttgctgcga gacggtgccg tgtgtatcaa 180
 tttttcaagc gagaaggtat gtttatctct tcacggccac tagctggcat cttgcttata 240
 caggagtaaa cagaactttg gtctctgaagt taagcaaaaa gcctccatct tcgtgccctc 300
 aatcggaag gtgactatcg tcgttttgct ccggaacttg ctggttaagtc ctgagacttt 360
 attacaaatg cgctcaaaa 379

<210> 21218
 <211> 322
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21218

gagccaaaa aatatgaaga gcgtgcactc gcacaacaca gaaagcacac gggcgagaga 60

atcccaaagc ccttacaagc atggaaggcc tgctagagca taccgaaatc tagagcaatg 120
ggaagaagcc gaagcattag tggcgcaata ctgaaatfff cacaagaggg tgtcaggacc 180
gaaagatcca gaaactctaa gtacttcaga aaaacttgct caggtatatc agaagttgga 240
aaagtggaag gaagccgaag caatacaagt gccattatta gagacttaca gatggtgtca 300
gacccgaaga tgagggaacc at 322

<210> 21219
<211> 850
<212> DNA
<213> Aspergillus nidulans
<400> 21219

cggcgagaca accagtccgt ctggaggaag ggtatacaat gcgttccacc tcccttcttc 60
caaatcctca atactgacag ctctctttca atgtgcagca agaatggaac aacacaaccc 120
ttcgccccgt aacaatcaaa caaatcctcg acgcaacgca gccctaccgc gaagcaaact 180
tcacaatcga cggacaagac gtatccagca tcgtcttcat aggccaagtc cgcaacatca 240
gcacacaagc cacaaatgtc acatacaaac ttgacgacgg cacgggagcg gttgaagcga 300
agcagtggat aaatccgtcc gaggcgatgg acacgaccga agatttcggc aaggaaggga 360
aggacctgaa tgggtgtggag atcaacggct atgcgaaggt attcgggaag ctgaagagtt 420
tatttgagga ccgcaaggtc gttaacacgc attgcgtgcg gccgttaacg gatataatg 480
aactgcatgt tcactttttg gaggcgcgcg cgggtgcactt gtttcatact agaggcgctc 540
cagggcccgc tgcaggtgct accgggaaaa tcgatggtgg tgatgcggcg atgggagggc 600
ttgatggggc cgggggttggg ggcggtggtg ggttcccgcc gaatatgtct gcaactgcaa 660
ggagggttta taacctgctc aggacggagc cgcagaataa tgagggcctg catgcgcaat 720
tcattgcggc gaagctgggc cttcctccgc aagacgttgt gcgtgcaggt gatgagctga 780
tcaatgctgg catggtgttc tcgaccgtgg acgatcagac ctgggttatt ctggagtatt 840
aattgatgag 850

<210> 21220
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21220

ccctcaacgt gctgggcttc gagtacatgt cgcccgtagc gcagcgagtc ctcacagagc 60
ttcccacatg ggcgaggact gtctcgtgca ggcaaaaaca ggcaccggta aaactgtggc 120
ttttttgctg cctgctttgc attgcttaat acaaggccag agccagggtca ggagagggca 180
agtggcgatc ctcatcatca cgccaaccag agagctcgca cagcagatcg ccaagtcatg 240
cgatgagctt acctcacagc tttcaagacc gctggaatgt catattgctg ttggtgggac 300
cgcgcgagcg tccgcgcact cgcggttcat gaacggggac ccgtccattc ttgtagctac 360
acctggggcg ctgaaggatt acctctctga gtctgagact gcagagaagc tcaaggatat 420
ccagaccctc gttctggatg aagcggacac gatgctcgag accgggttcc tggcggacgt 480
caagcagatc ctcaagctga tcccgtcaaa gagcaccggt tggcaaggta tgtgcttctc 540
agccactcta ccaccaaagg tcaaggatgt ggtcagcgtt gtcttgaatc cagggtacac 600
cagcatttcg acagtggaca agaacgaacc gccaccacac gagcgcgtag ctcagtacta 660
tgtccttatg ccctccgtag ccgaaacatt cagaccctc tctccctct tggcccacga 720
gtccaagaag aataccaaga tcatcgtctt cggcgtcaca gccaacatgg tcgagctttc 780
tcacagcgcc ttgcgcaacg gctcacgcc gcttaaggct ctttgagatc actcccgcct 840
ctcgagctct 850

<210> 21221

<211> 550

<212> DNA

<213> *Aspergillus nidulans*

<400> 21221

catggaacac accgcaactc acgaggagc acatcgagca ttatcggcga cgccgtagtc 60
cgcggtgacc tttccgctc gtcacctcga caatcgagc cgcaatcgca gtcacagtca 120
caatctggta gcggtgccgg caacaacaac atcgccatca gtatcggccg atacacgttc 180
atctcacgga gcgcaatcct ccgcccgcct tctcgtctct cgcgtggtgt ccacacgtac 240
acaacgctgc atatcgggtc tcatgttttt gtaggggagc ggagtatcgt cgaggccgcg 300
aagggtgaag ataattgtgac gattgggaag gattgcgtga ttgggtcgat ggcgattctg 360
aaggaaaggt gtcaggtact agacgggtgc gttgtgccgg ggggcatggt ggtgccgagt 420

cattgtgtgg ttggtgggca gccggcgcg attgtgggag atacgccaat tgcgtacggg 480
 gttgaggggc tggagggggg attgagtcgg gagagatata gaagtatccg ataggtactg 540
 tacttggagt 550

<210> 21222
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21222

cgatcaatca atatctcacc atggttcaca agcaaagcgt cgacatgata cggttcgagc 60
 acacaggctt gcagaacatt cgccgcttcg ttggccagat cgatcttcca catcttttcg 120
 ccgtgcaacc agcgcaagaa cgtgagagtt ctgtacatgg taagctccta gcgtacgagc 180
 atggtcatgt tccagagctc aacctcgacg gttatgccct taccgtcgag tgcgttacta 240
 gtgatataat cgatatccca gttacgattg aggcgcactt tgatgaaaga atgatttcag 300
 cttcccagac gaatgatctg ctccgcccgt ttagtcacat tgtcactcag cttgggtacta 360
 acggcagaga tcaaacgcaa ctaaagtatt ttgatttatt gagcaaggac caggccagac 420
 cactttttca gtttaaacaa ggtattcccc cggtaagca agctttgggt catgactagt 480
 tttttaacat gttttaaccc acccctatgc cccttcggta ttgtgctggg atgggttata 540
 tttccccgga agagggtata cctcttaca acaagctggt cttatccctt attccggttg 600
 ggtaataccc tagacctagg gtgctctttt tttaaaatta aaaaggcttt ggttcaaaca 660
 ttgttttttt aaggttcctc ttccttatcc ctttatgcta tccctttctg ttatcttacc 720
 atctttcatc ttgtatatat aatgttcttt tatgtttttt ctcactctta tattctcttc 780
 tcttttctat ttctctcctt tattatttca ctttctatct ctctctcttc ttcttatttt 840
 ccctatacta 850

<210> 21223
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21223

tttgttcccc agtccattac tgatactgtg ataggcccaa gcgcaagcaa agccggatgc 60

ctccgcaatt tatgtgccag gaagtcagac ggcaaaggcg attgaggaag caattgaagc 120
cgagatccct cttgttggtg cagtggcaga gcacgtcccg ctccatgata ttcttagggc 180
acgtacgggt tctccatgaa ataggttggg tatgtgctta cagttgacag gtccactcca 240
tactcaaaac ccagtccaaa accagactcg tcggggctaa ttgtcccggtg ataatctctg 300
cgattgggaa atgccgcacg ggattccaac cgctgccctg ctttgcccca ggtaagatag 360
gtatagtcgc gaagtcaggc actttgagtt acgagactgt tgcctctact actcgtgcgg 420
ggctgggtca gagcctctgt atcagtatgg gtggggaccc gctcgcgggg acgaactttg 480
tcgatgcttt aaagatcttt gaaaacgacc ctgatacaga aggaattatc ttggttggtg 540
agattggggg aacggccgaa atggatgcgg cggagtggat tagagattac cgtcgcagga 600
ctacgagccc caagtatgtg cttcgctctg ctacactcca caggactgac aggaaagacc 660
gattatggct ctagttggcg gccgacaagc ccctccggga cgaataatgg gccacgcagg 720
agcctggacg gcacctggtg agcccgggcc agaggagaag tatagagccc ttgagcgcgc 780
tggcgcggtc atggtcaacc atccagagaa atttgggaag gggatgaagg cccttctcac 840
gaacaggcgc 850

<210> 21224
<211> 539
<212> DNA
<213> Aspergillus nidulans
<400> 21224

gtttttgatg aaatgaaaga gaggaatgtt gttacttga ctacattgat aagcgggtat 60
gctcgggaatt cgatgaatga tgaagttttg acattgttta tgagaatgca gaacgaaggc 120
actcagccga actcatttac ttttgcagct gctcttggag ttttggctga agaaggagtg 180
ggcggggagg gacttcaggc acatacagtt gttgtaaaga acggtttaga taaaacgatt 240
ccggtttcta attctctgat taatctgtat ctcaagtgtg ggaatgtag gaaagctaga 300
atattgtttg ataaaacaga agtaaagagt gtggttactt ggaatagtag gatttcggga 360
tatgcagcga acgggcttga tttagaagcg ttgggaatgt tttactctat gaggettaat 420
tatgtgcggc tatctgaatc gagctttgct tccgttatca agctctgcgc taacctcaaa 480
gaactgaggt ttacagaaca gctccattgc agtgttgtaa aatacggggg gatcctcta 539

<210> 21225
 <211> 657
 <212> DNA
 <213> Aspergillus nidulans

<400> 21225

gtcaccgggt acgttgcata ttttaaagca acaccaataa ttattgaccc ttccatagt 60
 gaaccggcta catttggtcc ttactaccc tcgccctgct cgaggccggg tacaaggttg 120
 tggtcgccga taacctgtac aattcctccg ccgaggccct taaccgcacg gagttgatct 180
 cgggcaagaa ggccgagttc gcacagctcg atgtcactga cgaagcagcc ttcgacaagg 240
 tggtcgaagc tcacctgac atcgacagtg ttatccactt tgcggcggtg aaggtagctc 300
 gctgcgtcta tatgcaatgc tatttggtgc caatgcttag ttgtaccctc tcaaggccgt 360
 cggatgaatcc ggcgagaagc cctcgacta ctaccacgtc aatgtttacg gcacaatctg 420
 cctcttgccg tcaatgggtc gccacaacgt cacgaacatt gtcttctcct cctccgccac 480
 cgtttacggc gatgccactc gctttcccga catgatcccc atccccgagc actgcccgtc 540
 cggcccgaca aacctctacg gaaacaccaa gttcgccatt gagctggcca tcacggacgt 600
 tatcaacgcc cagcgcaca acgcgaagaa gccggtaacg aaactgaggc tgctaag 657

<210> 21226
 <211> 605
 <212> DNA
 <213> Aspergillus nidulans

<400> 21226

gaacagccgc gacttcgttt ctgcattga aaaaatcaat catacaacag aggtgataac 60
 agcaatgctc caagaatctc caattggtag ggtcccttct atacaacagt caatccggtt 120
 ctaaccatta tatagttaag aatgtgtatt accctaagtt cagtcctaca ctgcctttct 180
 acgaggcatt tcgcactcca aatggaggct atggtggttt gttctctgtc actttccact 240
 ccacagcaga ggcgattgcc ttcttcgaca acctagaagt ccacaaggga ccagtccttg 300
 ggactaactt cacgctgagg tagcgtttgc aggacagggt ctgtcaatgt ttcagacgat 360
 ttgctaataa ctgtctagtt ctccgtatac gctacttgct cactatagtg agcttgactg 420
 ggtatgtatt catcttccat cacgttggct tagttctggt ttgtctaact ctacttgctc 480

aggcaagctc atttggcgta gagtttgact tggcgcgat aagcgtcggt ttggaagatg 540
 tcccattgct tcgcgctaaa gtgcaacaag cacttgatgc agtcgctaag atatctaaat 600
 agaag 605

<210> 21227
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21227

tgtgggacta catcaaagat gtagcgcaag gtcgcaggtc gactgagaaa gccatgtcga 60
 agcctactaa ccaagggctc tccagtctag ttggcctcat tgaatactct agggagaagc 120
 tccgccagtg cgtcgacaga tcggcacctc gaaggctgct ggagatcgtg atgaaaagac 180
 tctcttttcg cgaattcatt acggcgactt atgggtcaaa tgatgaaaac agatgggcaa 240
 acgtggagga actaatgagc caggcagacg atgcaactgc ggccgatgaa agtgaacagg 300
 atgagaatct tcctgaaatt gctggcctaa ctcagcaaga gtcgcacctc ggccaagaag 360
 ccttgctcag attcctagcc aatgtggctt tatcaaccga ggtccagccg aaagaagaga 420
 ctgaagggga agaccaggcg caagagaaaag ttaccatctc gacaatccat gcagcaaaaag 480
 gcctagagtg gcccggtggtg tttattcccg cagcttacga gggattatc cgcactcac 540
 gagcagaaga ctccgacgaa gagagacggc tgctttatgt ggctatgact agagcgcagg 600
 ccttgctata cctgagttat ccgcttcggc agggccgaga aaacgcagag actaatgtga 660
 cgtcgtttct tccgcaagaa ctaatcactt cgcgcctgcg cccggttgga ccgaaactag 720
 acgagaaggt tgtttatggg attgcagata tactgcgtcg agaacgaccg tctgcagaaa 780
 ccatgttgga aggacttgat tctctccatt ctgtctacga cgaccaatga actgaggacg 840
 gacgagagtc 850

<210> 21228
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21228

cgaccctacc attacgtcgt tatatatttga caaccctcaa ttcgatctct acacgcaaaa 60

agttgccccg agccctgaag ctggttcgct acgactacga tggaccggaa acctcatcga 120
 gaagccgccg atttacttgg agaagaagat tgtgacgagt gacaacttca gcaacgaggt 180
 gaaggttcag ttgaagcaga agcatgtcaa ggagtttctt gatggtgaat atcatttaga 240
 aaagcaggtt catcggatgg aagatatggg aaatggagag atggaacatg cagaatctct 300
 aaaacgggat gtggaagcat tgcaatcctt catcaaggaa aacaacctcc agcctatgct 360
 tcgcgccaac tacacccgaa cagctttcca aatcccgggc gacgatagga ttcgtatctc 420
 acttgacacg aatttggtctc tcattagaga agactctctc gacaaggagc gcccctgccg 480
 tgatgagaat gaatggcacc gtaccgacat agataatgct gccatggaat atccctttcc 540
 cgccattagg aatggtgaga tagtgcgatt tccttacggc ctggttgaga taaagctgcg 600
 tggaagtgcc gcgcataatt cggaatgggt gaaggacttg atggtgtcac atcttgtcaa 660
 ggaagccccg cggttctcga aatttgtcca tgggtgtcgcg cagcttttcg aagaccatgt 720
 gaatagcttc cctttctggc tctctgaact tgacaatgac attcgacgtg accctgaaac 780
 cgcattccat gaagagcagg aacgccaggc aaagaacgcc gaggaagact tggcgggttg 840
 aagcttcctc 850

<210> 21229
 <211> 803
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 21229

aggatgtcct ccgaatccga tacacaacta gaaacaaccg cctcctccac tctctacctg 60
 ctagagtccc gactcanccg cctcacatac ctctaacag gagacacagc atggaccggc 120
 acgccaacc ccccgccgaa accgtcgtcc tatgatgaga cagtttcgag gcgcctacag 180
 agattagaaa gtgagcttga gaatctagca gggaagggtg gtgtcgttag ggatattctg 240
 gggtttgtga tgttcctctt tcggtttcct tcgattgatt aaggttggca acgtgatgaa 300
 agctaacgaa ggattgaatc gaattgaatg ggtagatga acgctttcca gaccttttca 360
 gatcaacatc aactttgtcg ctacccacct ccacaaccga tcagacagac accccggaaa 420
 caaccagcc ctgagaccg gaaacagaac catcgcccc cctccagatt atgcttagca 480

taatcctctc ctacgcgtct ctgatttctg aaacagcctc aaggctaaca agtctaaccg 540
 acacgcccac tccggacgcg tccttatccg cgagcttgat cgccttgcaa ccgcggatga 600
 atcagtttagc agcgaacaa gacgagcaga gtagggagat tgctgaattg cgagtgcgaa 660
 ccgcgaaggt tttgcagaga tattatgagg tcagtttgct tgggggtggt gaggtctggg 720
 gggagtggga gggcgcatg gagagggtag aacgggaggt gaagagggtg gaggttgcaa 780
 ggggacgaga gggaatctaa gtc 803

<210> 21230
 <211> 624
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21230

gccagacttc attcttact gtgcgtggtt ttaccgatca gccgtttgac ccagttgccg 60
 tccacagggt ggaacacata tctctagtgc caatgcatgt atcgctagtt gatagggtgta 120
 ttccatccgt ccggtcgagg gacatcgaca ttctacgta agcctctttt aatacacata 180
 acacgtgtac aagccggtgt atatactgca tatgctcagc ctgcgtagca gcatagtgtg 240
 caatatggta gtgtgggata ccgcacttgg ctgcgcaatg caagttgcgt cagagtgtag 300
 gcgtcagcca ggtcatcatg ttcccgtaac aatcatatat acgctgttta tgaacctaca 360
 cgtttccag cgtcccatgg tgggattggt cattctcgct tggttaatgt atctagacct 420
 ttgtcatatg ttcaagtcgt ctgaccagta atttgcccag gtgcataatt atattcgcta 480
 tgtgcagtat tatgcatatg agcgacacgg tggatgtcta catgttatgc taggctgaca 540
 gtacaatgat aggtcacctg ggcgcggcca gtatcatcaa tgggtaaag agcgtagagc 600
 aatgaggcca tactagcatc attt 624

<210> 21231
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21231

aagcgcaatg cctttacgat ggccatggcc gaggacctag agagggtctt cggcctgttc 60
 gaccgcgacg agcgctgag ggttgctggt ttaacgggcy ctggcaatac gttctgcgct 120

ggcgcggtatc tggagattgg gtttaaggca ttggaggaga ggtcgaggga gcatagggac 180
 aggttgggtcc tcgcccataa aaggattgta gtaaggtaac tgcctcggac tgacttggtta 240
 attatacagt ggtgggtcgcg tagcaatcgc aatccacaga tgtcgtaagc ccactatcgc 300
 tgctatgcaa ggctcagctg ttggagttgg tatgaccatg gttctcccag ctgcaatcag 360
 gtacacaccc tgtcacttac tttaccctac agtcgcaact ccctacggct aaaaggaacc 420
 taacgttgaa caggatcgca cacgaatcaa gcaagtaagg cttcgtcttt gctcgccgtg 480
 gcattactat ggagtcttgc tctcgtatt ttctcccccg gctaatacggc cactcgcggtg 540
 ccaactacct cgtctcaacg ggcgccgttt acccgccac atctcctcat ttcggggggcc 600
 tctttgcaga gacgatgccg gagcagagtc aggtccttcc gcgcgctttg gccctcgcta 660
 ctgagatcgc agaaaatgtg agtcctcagg cagcagcgct aaatcgggag cttatgtgga 720
 ggggacctga gagtgcggag gaggtcatt tgttgagtc cgaggttatc tatcatcggt 780
 ttacgtcgcc gtatgtttgc ctttcgtcat taactgcttt tgtgtatgtt tgaatatggc 840
 tgacaattca 850

<210> 21232
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21232

tcttcgcttt acattcccaa gatttcagga caccacactg ccaagcagta tgatgctgag 60
 tttgagaaac gtgtgatacg taagatcgac ttttggtctg tgggcttcta ctcttcgtc 120
 tacattttcc ggtgatcga cttaggtact caccgttttt aagctatttg ccatacaag 180
 attattaata acgtctaggt aactacgcaa atgcagcgat catcaacctc gaagaaggca 240
 acggcatcaa ggctgagctc gacttttctc cctcgcagtg gtcttggtcc cagtctatct 300
 ttagctatag ttacatgctg ttcgaaccga ccaacaccat tctcttaaag aagatcacac 360
 cctcaaagtg gatgtttatt ataattctga cctggggaat ctgcgccacg tcttcaggcg 420
 cagcgcataa tttcccaggg atgatgggtg tgagatttgc tataggctctg gcagaggctg 480
 gtttttctac cgtaaaactg cagttacaga gcttttctaa caaaaatagg cttctacca 540
 tcggttctat atcacatggc attttggtat aagccatccg agatgccatg gcgcgtcgcg 600

ttctttctact ctcttgggca attgagcagt gcgttgagtg gtttgctagc gtacgcgac 660
agctttatga atcgcccttg cgggctatct ggatggcggg ggttggttat ccttgaaggg 720
atccctgcaa tcattctggc cttcgtagca ctctgggctc cagactaccc tgagacagca 780
aagatgctga cacctgaaga gagggaatgg gtggccaatc gactgttgaa cacttctcca 840
aggggaaaag 850

<210> 21233
<211> 545
<212> DNA
<213> Aspergillus nidulans
<400> 21233

aggatgaatt cacatggaga agatcgtgtt gccattattg ctggagccac agtgagtaca 60
ccaagagcct ggggcttgtc gagctccac taacctgttc gtattttag tctggcattg 120
gagccgatct tgcccgggat ctagccgcgc gtggatggaa gattgcctgt ataggccgac 180
atcgtgaacc tgggcagact cttctgcaga cgatccctga cggtaatgcc cggtttttcc 240
ctgcggacgt atccaagtac gatgagtacg cgaatgtctt ccgccaagtt cgcaagctct 300
ggggccgtat cgatgcacta tgcgccaatg cgggcattgt cgatacttcg tccgtctata 360
tatacgactg gaagaacagg agcgttgatg acattcctcc ggcccccgag ttggatgtcg 420
tggaacatcaa ctataaggga gtaatctacg gcactcaatt ggcgactcac ttcattgagac 480
ataatcctcg acctggcggg cgcatgtgtg tctactggcag tattggagcg gtcttcccgc 540
ataga 545

<210> 21234
<211> 850
<212> DNA
<213> Aspergillus nidulans
<400> 21234

ggcggcaata ttcatttcgg cgggcttcga tgctagcgaa tgggaaggca tgggcatgca 60
aaggcacaag gtcaatgttc ctaccgaatt ttacgccaga ttcacagccg atgttgtgcg 120
gatggcagag gaggaaggtc ttggtgttga tgggcgaatc gtaagcgtcc ttgaaggagg 180
gtacagtaat agggctctta cgactggtgt tttgagtcac ttgtcagggc taggggatac 240

caaggggtgtg caattgctcg atgatcgta catcgaccgt ttggcgactg agatgacaga 300
 acgcctcggc ttgtccgaca cccctcctga aaggccagct ttccaggcgg cttatgatca 360
 ggaatggtgg tctctgcctc tgttgaggga gctggaggcc ttagtatacc cgcctcctcc 420
 cagcaagcct aaagagaaat cagccccgac ctacttcgcc ccaaccaat cgtttgctgc 480
 aaaggttgtc ttaccggcaa gggatcggcg ctccaccggc tcccatagct cagagcagga 540
 gtcaccacct ctaccaccag tcaattgggc cgtggccgca cagagctgt ccaaggttct 600
 aataccaagc gaccggcgaa ccggcagctg ccggcctgaa gaactcaatg ctgaggcttc 660
 acgcttgaga cgtgaacgcc acgcaacagc aaccggcatc agcgatgcag tgaagacgcc 720
 gacgggacca gctgcaggag aggagaagat gaaactccgt ataaggaacc caagacttcc 780
 tctcccattg ttccagagcc tgcgactccc gcccgtcgga ctaacaagga caatcgaga 840
 acaacattag 850

<210> 21235
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21235

aaactgacaa gcagaccgtc ttttccgacc tgatccaagg cgacctccct gcttcggaaa 60
 aggcagatcg ccgattgcaa gacgaagccc agctcgtgat tgggtgcaggt ctccgcgacga 120
 caggatgggc cttgactgta gggacgttct acctgctcag taaccccaaa gtgctagctc 180
 gtctgcgacg cgaactagac gaagcgatcc cagcgcgcaa tccagagaac cccagcgggtg 240
 ccctcgaatg ggccgagctt gagaaactcc cgtacctaac aggtgttatt aaggaggcag 300
 tccggctgtc acattcgacc acttctcgca atgtacgccg tctgccgaaa cctattacgt 360
 ataaggactg tggtataccc ccgcgcacgc ccgtttctat gacgattcca tttttgcac 420
 tcgatgaaga catctaccct gagccgaaat cgttcatacc agagaggtgg gtgggataat 480
 cctaaaacga cgaatggcgc ccctcttgag cgttacttcg tcggtttcgg gaaggggacc 540
 aggtcgtgtc tggggctcaa gtatgcctc catatccaag tctagtgggtg tttctgtgct 600
 aaccaaggga atgcagtctc gcttggtgcg agctatacct cgttttcgcg gccttcttcc 660
 ggttcttcga ctttgagttg tacgaaacag atttctctga catcgagctc cagcatgatt 720

tcttcctacc attccccaaa tgggattcaa agggcggtccg agtgtttgtc aaggagcgga 780
 gtgcttgaag gagcaaatac atttctcatga atatctatac tactctaaat caacgtcaac 840
 atcgtcgtga 850

<210> 21236
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21236

ccaacaagta tgtcgaggaa ctgcatccc tgcctgacga gaagatcagc gccatccgcg 60
 cgcatatcaa gaatctcctg ggaaagtact cgaccacgct gatcctcctg gagagcgacc 120
 tgcatacgcg catgctgcag accaagctga cccctaattc cggctccttc atcgagggtca 180
 tcgagttcgg agctcctctt cgccatggac caggagatcc ccgcgaacct agacgactgg 240
 cagagcgta atgtgttcca catcgttctt cgcatcgagg cgcgcatctc cgacacgctg 300
 ttcttcggcg tccgccgcat gctgcaatga ggaatggctc cagacctcta ttcactacac 360
 cgagaacgtc tttgcgaccg tcatgctgtt gcggcgcttc cccaagtgga tgcacccgat 420
 tgtgggacac ctctcccca gctactgggc aatccacagg aacctgcgga ccgcgaagcg 480
 catcatcagt cccatggtgc gccagcgccg cgagaagag gccaagcgga acccggaacta 540
 tgtaaagccc aacgatctcc tccagtggat gatggacggc gcaaacgaga acgacgggca 600
 gcccgacaag ctggcgcacc gccagctcct cctaagcctg gcttccatcc acacaacaac 660
 catggcgggc gcgcactgct tctacgatct ctgccaat cccgagtact ttgagccggt 720
 gcgcgaggag atcaacgacg taattgcca ggatgccggc tggaaaaaga ccacttctaa 780
 caagatgcgc aagctgggca gctttcttaa gaaagccaac gcatcaaccc gccagttctc 840
 tgaggtactc 850

<210> 21237
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21237

atcgatcaag ggaacagcac gcagccgagg tcgctaattc caacaacgct gttcaagatg 60

tgcagtcaaa ggccgacaaa gccgaacagt acgagtcaga aatcgctgag cttcactcaa 120
 aactcaagaa tctgaattcg gaggccgatc aatctagtaa aaggcatgcc gctgagatcg 180
 ccggtctcaa ctgtgctggt caagatgctg agaagaaggc tgaaaaggct gaacaatata 240
 gatctgaagt cgtcaagctt gaatcggaac tcgagacatt gagatcagaa gtggaatcca 300
 caaaagagca gcgtgccaat gaagtctccg acttgcataa aaaaattcag ggccttcaat 360
 cagaactgga tagtgcaagg aaacaacatg aatccgaagt tgttaagctt gagtccgcca 420
 acgagacggt acgggcagaa ctcaacacag tgaaggaaca atctacacaa gaccttgaag 480
 ccgtgagggg ggattactct tcgaagtgct ccgcgcttga gaatagagcg caacaagctg 540
 aaagtgaagt cgaaaggcta gaagcagagg cacggaaggc tgcacacgcg cttgaagaag 600
 cacaaaaggc gctcgagaag gcgctccagg agaccaagga gaaagaagaa gcccgccagt 660
 cagtacaatc cgagcttgag gacctcctga ttgtattcgg cgatcttgaa gctaagagga 720
 acgaggacaa ggtgagtcag aaatgcatgg atagctaggt tggtcggaat actaattcta 780
 atttttgctt cagaaacggc tgaaggagtt gggtgaggaa gtatccgaag atgaggatga 840
 tgagggtgac 850

<210> 21238
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21238
 ccgctctacc cacaccacc aagcaggcaa atcatcaact tcgtcgttga gatccctcgt 60
 aatacagacg ggaagatcga gatccgccgg tcggagccgc tcaatccaat ttttcacgac 120
 gaacgcgatg gctccccgcg ctacgtagag agcgtctggc cgcacaagtc ctacccgttc 180
 ttgtacgggt cgatcccgca gacctgggag agccctaact tcaagcatga ctttaccaaa 240
 gagccgggag ataatgaccc cgtcgatctg tttgatatcg gccaggatca gggctttacg 300
 gggcaggtga agcaggttaa gattctgggc gcgctggcgc tgaatgatgg cggcgagacg 360
 gactggaagg ttctagggat tgatgtgagg gacccgattg caggactggt ggatggtgag 420
 gggattcctt ttttatatac ctccactacc aagaacaacg aaactgatgc tgacatgttt 480
 ccgagcagac ttcaaagatg tcgaaaagta ccgccccggc ctgatcgctt cgtaccgcaa 540

ctgggttcacc acctacaagg tcgcgcgcgg cgactctctt atccctatcg tcaacaacac 600
ctacgtcaac gcgacctttg cggcatccgt cgtgcagcaa agccacggct actggctaga 660
cctgggtcagc gggaccgtcg actcgaacga gatcaattac aaccagacct cccgcccaga 720
tattgcggtc agcttcgtgt cgagggtccaa tgctaccgcg ctttttgatc taccagcggc 780
gtcagatgag cgtccggctg aggcaaagcc ggagcgcttc gagcagtggt tttatctgga 840
taaggagggt 850

<210> 21239
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21239

ttgcccgcgc cegtgatcgt tctcctgatt gaacacattg ccatctcgaa gtcctttgga 60
cgtgttaaca attacacgat cgacctgtct caggaactgg tggccattgg cgtgaccaac 120
ctgctcggcc cattcctcgg cggctacca gctactggat ctttttcgcg aactgcaatt 180
aaatccaagg caggtgttcg gaccccgctg gccggtgtca tcaactgccgt tgttgtcctc 240
ctcgccatct acgctctgcc ggctcttttc tggtagatcc ccaaggcttc cctggctggc 300
gtcatcatcc acgcagtcgg tgacttgatc acccctccca atgttgtcta ccagttctac 360
cgcgtttcac cattggactg tgtgatcttc tttgttggtg tcattgtcac tgttttcacc 420
tcgattgaga ttggtgtcta ctgtaccgtg tgcataatcc tggcagtgct cttgttcgcg 480
gtggccaagg cccgcggtga gttcctcggc cgtgtcacta tccattccgt cgttggcgac 540
cacgttttgg aagagtccaa gcctggcctc ggcatgccg accgcacgcg ttccatcttc 600
ctccccctca accacgccga tgggtctaac ccagagattg agattgagca gccgtaccct 660
ggatatctta tttaccgctt ttctgaaggc ttcaactacc cgaatgccaa ccactacacc 720
gattatcttg tcgagactat tttccagaaa acccgccgaa ccaatccctt cacgtacagc 780
aaccgccgtg accgcccgtg gaacaacaca gggccccgca agggcaaaca ggaagaagat 840
cggctctcatc 850

<210> 21240
<211> 850
<212> DNA

<213> Aspergillus nidulans

<400> 21240

atcaacagag cattgtacgc gcggaagata ttgacttcta gttcttgatg gccatggaag 60
ccatcttata ctagagtttg atcaaactctg tacagattat aatattatac tactctgcat 120
gccagcacat tctctctatc ttctataact acttgatatt ggatgttttg cagttttgaa 180
gcgctcgtag gccagcttgg ttgatcagaa aatgtggctt ggtatcagct atattaacaa 240
acttgatttc cttgcagcct atccacaagc tcgaatcagc atatttaagc tggatacaat 300
cagaaacagt ttttaagcag caggactagt accattgaat cctgaaccag tactttcaaa 360
gcttagtatt taggcttgta ggcctatacc cctagaagc tgtggcagcc aggcaagcac 420
tttttgcta tatataccag caaatattga tgagcttcta aagaaagctt ctttactcag 480
agattttctc aaacagtact caaaaagtcc actatcacgc tcccataatg ccctaaacca 540
gctaattaaa ggctgtcaaa ttgcaatgca aaaggtcata ctattggagc aagagaatag 600
gggtctacgt gctgaaaata ctatacaaag gcaaaagcaa gcttgtacac atagatagat 660
agctcatgat aatggctctgt ctgtacaaga ggctacagag ctcgaggaag cttataatgt 720
gtcttttcag gcaatacctg gtccatgcgg gccaccagca gaagggtcac aaacaccaaa 780
ggcatgggca ttacctatat atagtacctg ccatagaatt gggcatagaa gaaatgcttg 840
tccaaataaa 850

<210> 21241

<211> 500

<212> DNA

<213> Aspergillus nidulans

<400> 21241

tcacagaaac cacgtcgaca taccttgagg cgccatcaaa agcgccgccg aacctcgctg 60
cccccgagcc tggtagctct atctaatac gctgtcatac gctcgtaacta actattatca 120
gaacactgtc cagggtccga atccgaccag gcagggtcaag gcgatgcctg cgctggctgt 180
cctaaccaat ctatttgccg ttctgccccg aacggctgac ccgtgacatc cctctcataa 240
ccgcgcgcct tgcctctgtc cgacacaaga tctctgtttt atcgggcaaa ggtggcgctt 300
gaaagtccac attttcgctg cttctcgcac acggtttcgc atccaatcca gattccacag 360

tgggaatcat ggacacagat atttgtggac ccagtatccc taagatgatg ggcgtcgagt 420
 cagagacaat tcacatcagt aacgctgggt ggagtcctgt ctgggtatcg acaacttggg 480
 cgtcatgagc gtgcagttta 500

<210> 21242
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21242

ccgatcgatt ttcaggtccg cgaacctgtc tcgcccctat tcgcccattc atcgagacg 60
 gccagtgcag tagagctaca ggtcacccaa gagtatctcg gacagcaatg ccatctggtc 120
 tatcttgacac ctatgtggaa agaagttctc gattttgacc tccgcgttga cggcaaagac 180
 tcggttgatc gtgatatcgt cagcggcagg cggttcaaca atactctcgg tggctacgag 240
 ggagtgggta atgttggcct caacacgact tggctaggaa gtcacttggc catgtcaaac 300
 ctctacgctt acggccggct cgctgggac ccgtcggccg actcggggga gctgtggcag 360
 gagtggatca agatgacatt cagtcacgat caagaggtcg tcgacgtgat cacgaagatg 420
 tcgatggagt cttggcccg cgtacgagaac tactctggaa acctcgggat ccagacgctg 480
 actgacattc tgcttggcca ttacggcccc aaccacgcat ctacggacgg caaccctgg 540
 ggccagtgga cccgcgcgga cgccgacagc attgggatgg accgcaccgt ctggaacggc 600
 accggcaatg cgggtcagta cccggaggag gtatatcaga tgtacgaaaa tatcgacacc 660
 acccccgaca acctgctgct gtggttacac cacgtgccat acaccagcg cctcaagagc 720
 ggcaagacgg tgatccagca cttttacgac gcgcactacc gcgggagcgc gactgccag 780
 acatttgtct cgctgtggaa gactataagg gcaagatcgg acaggagcgc tatgagcatg 840
 tgctctttcg 850

<210> 21243
 <211> 523
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21243

caagcttcat ataggcggca ctctctttga tctcatccgc cagaatcgtc agaaccgccc 60

caaactcacg atggaccttg cgaagaaata cacataccaa cttgcgtgtg ctttgcgata 120
 cttgcatgaa gatgctcgag tggttcacag agatataaag ttagaaaatt gcctgttgga 180
 tccagtcgag cttccggatg gcacaaagac gtcaaacctc gttctatgtg attttggaat 240
 ggcggaatgg atcaatgctg acaacgagga tgcttccctcc gagccgtacg gagatgctgg 300
 ggaccggcca ccgctcgaa atattgggcc atctgattcc agcaccagcg tcgcaggcag 360
 cctcgaatac gcctcaccgg agctactcga ctcgattact ggaatcatcg acccgtctgt 420
 cgacgtctgg gcttttgggg tcacgtatt cacccttacc gtcggatctc ggccgttcca 480
 gcactctttc cagccccgtc taatatccaa catccggcac ggc 523

<210> 21244
 <211> 808
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21244
 tccgccgacg acgccgagcg cgagaccatc cgcgctctggc gcacatggcg aacagttttc 60
 gaaatgctgc aagaccgct acgttattgc gttctgctg gctccagtcg cagggcacta 120
 atctcgacca atagggtat gaagtgcag aggaagaagt caagattgac cttgacgaat 180
 ttaagaggaa atacgtcggg gaaaaaggat accccaggtg cgaccctcta gccaccagt 240
 atttgctctt tgtgtaatga acacgactga tggagttatc ccatagccgc gagaagctaa 300
 agattcaagc ccgtcccacc gaagccatga aagcaaaata cacgcctctc ccgacccccct 360
 caaaccgcga tccccagcca gactgcggga caatctacat tgaattctgt ccggacgcaca 420
 gcggtattgg cacagagcat gtccgtacct tcaaccacac tgatgacgag ggaaatttcc 480
 ataccggcat cttcatcaca aagacgcca tctccgcatc tgccgttcgt ttgcttagcg 540
 gcatccacgg ccgaatctgc gagcatttcc aggagcagga tctacttggt aacattacac 600
 cggttgaact tgtcccgaac atgtgctcct aagccctgag gagaagagca agctcttgca 660
 gagataccgt ctgaaggaat cgcagctgcc aagaatccag gtttcggatc ccgttgcgag 720
 gtatctgggg ctcaggcgcg ggcaagtcgt caagattatc cggaagagt agacggcagg 780
 cagatatgcc agttatcgat gggttatt 808

<210> 21245

<211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21245

```

ttcggattgc ggcttatctg gctgcataca ggatggtcgg gtctggcgta ctggaggatg   60
gtcggatcaa ggagctcgct gggaaccctg tggctctgct cgacgagatc gataagattg  120
gcggccctaa tttccaggga gaccatctg cagcaatgct ggaagtgctg gaccctgagc  180
agaaccatac ctttgttgat cattacatta acattcccat tgacttgagc aaggtcctgt  240
tcatagccac agtcaactcc ttggacacca ttctgcccc tctcctagac cgaatggaga  300
caatccagct gtccgggtac acaactgtcg aaaagagaca cattgctaag agacaccttc  360
ttccaagca aatccgagcg aacgggcttt cagatggcca agttgttttg tcggacgatg  420
ttatcgacaa gaccaccacc tcataacca gagaatccgg cgtecgcaac ctggaacgag  480
aacttggttc gatctgccgc tacaaggccg ttcagtttgc ggacgccact gacagtgcta  540
agcttgagtc gtacaacccc gttgttacag tcgatgactt ggaagaaatc ctcggtatcg  600
agcgctttga cgaggaaatc gccgagaaac acggccgtcc aggcgtcgta accggcctag  660
ttgcatactc aaccggcggc caaggaagca ttcttttcat cgaagtcgca gacatgccag  720
gaagcggtcg cgtccaactc accggaaaac ttggagatgt cctcaaggaa agtgtggaag  780
tcgcccacaa atgggtaaaa gctcactcct tcgagcgtgg catataacat ccgaccccaa  840
ctgcagtaca                                     850
  
```

<210> 21246
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21246

```

ccgcagcagt cagatactga tcaaaaccct ctgccagacc gacaaccttg gctttggcca   60
ggagaagcgc cgccagctta acaaggacgt acttgagaat aaggttactt tccggtaaat  120
ggatggcgtaa cagtacactc gcacgagatg ctaatagttt gcctcgatag tgattctttc  180
cgagaaatgc tcgacagcgt ccccaatgct ttcgatgact gcctcgagat cctcaagaag  240
aacatgcgcc tggacccaca tttcaaggaa ttctactact gggctaagga gaacaacgtt  300
  
```

cctattgtga ttttgtctc cggaatgatt cccgtgatcc ggacgttatt ggagacgctc 360
 ctggggcaca acattgatga ccattctcaca attgtcgcca acgacgttga aagtcgcgat 420
 ggcagggaca tcaacactcc ggggtgggtgg caaataaagt atcacgatga cacgtatgat 480
 tggcgatctt catgctctcg tgcagtatgc taacgttcaa gctagccact tcggccatga 540
 taaatccttg gagattaagc cgtacgctgc ggtgccgttc gacgagcgtc cgaccctgct 600
 ttacgccggc gacggtgtgt cggacttgtc tgctgctagc gagacagatt tgcttttcgc 660
 aaaagccggc aagggatatgt ggctcaagtt ttcctcttca aagattgcga cactgacttg 720
 tccagatttg atcacctact gtgagcgca aggaatgccca tacacggtct ttgaggattg 780
 gtcacgatt cttgccacaa caaaggatat cctgagtggc aggatgaagg taaagaagga 840
 acagaaggag 850

<210> 21247
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21247

tagtccgca gaggaacctc aaccttcgcg tcgcatacct atcgggcgac gacgtatacg 60
 accgcgtcgg tcaaacatg cccacaacaa agaagaact ccagcatctc gattcaggca 120
 actcctccgc cgctccggcc gccctaacat acgccttctt ccgaggcaca gcagacggca 180
 aacctattcc tatggtctcg gcgcatgcat acctcgagc gcgcggcatt gttcacggtc 240
 tgcggaacgg ggcggacatc atcctctgcg gccgagttgc tgacgccagc cccgtcatag 300
 ccgctgcttg gttctggcat gactgggcgg agacagatta tgatgagcta gccggtgctc 360
 tgatagcggg ccatttgatt gagtgtctcg catatgtaac gggaggtaat ttctccggct 420
 ttgacaggta taatttggac gaccttattg aaccggggtt cccaatcgcc gagatcgacg 480
 ccgacggggc gtgtattatc accaagcacc cgggtacgaa aggaatggtc accgtcgata 540
 cagtgcggtg ccaattccta tacgagctgc aggggacagt ctacctgaac agcgacgtga 600
 atgcttacat cggagatgtg gctgttgagg aagtagaaaa ggaccggcac gatctgcttc 660
 tctctttcca agacctgacc aaactaataa tgggtgcacag catccgcgtt tcaggaatca 720
 aaggcaccgc accaccccca accaccaaac tcgccatttt ctaccaaggc ggctacgaag 780

ctgagattct tctcaacgcc acaggctacg ctacgtcgaa gaaatgggac ctgcttgaga 840
aacagattcg 850

<210> 21248
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21248

gggaacacga gtccacaacg acgcagctac gaattttggc tgtatcgtgt cggactcaca 60
cactaagcga gttcttcaact acgtcgagaa gccggaatca catatctcta acctcatcaa 120
ctgcggagta tatctattcg cgacagaatg catcttcccc tccattcgta gcacgatcaa 180
acgacgaaca actcgccctc gctgctctc ctatccttct tctgacaacc tggaagcgtc 240
attgtcgcc gacgatgatt cagaacgaac cgaggctctg cgtctcgagc aggatatacct 300
ctccgacctc gctgacagca accgtttctt tggtcacgag acgaaagatt tctggcgta 360
gatcaagacc gctggatcca ccgttcggc caatgctctc tacctccaga aagcattcca 420
ggcacagtct gaggagctcg ctgctcctc cgctaccatc gttcctcccg tctacatcca 480
tcccaccgca agtgtagatc caacggcaaa gctcggtcct aacgtatcaa ttgggcctcg 540
cgctatcgtg ggtgctggcg cgcgtgtcaa ggactcaatt gttctggaag atgcggaaat 600
taagcacgat gcatcgctca tgcattcgat aattggctgg agcagccgag tggcgccctg 660
ggctcgtgtg gaggggacac caatccccat gggaagtcac tccactagca tcattaagaa 720
tggtggcaag gggcagagca ttacgatacct tgaaaggagt gcagcgtggg tgaccaaata 780
ccggtgcaga aactgtgtct gggtgccgat taagagctca accggggtag ttatttctga 840
cgcattatac 850

<210> 21249
<211> 595
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 21249

ctgtccggga cgtgctgctt gctgggggag aggcagtgcg aggtgttacc aaggcggtat 60
atgatgccgc tgtagacgcg gcgaggaaga actttgctga ctctattggc gctccaaaga 120

ttccctaatgt cagctgggaa gacgttggcg gattgacgaa cgtcaaggat gctctagttg 180
 agaccattca gttacctttg gagcgggccc aactgtttgc aaagggcatg aagaagagga 240
 gtggtatctt gttctacggt cctcctggca ctggaaaaac ctttctcgcc aaggccatcg 300
 ccacggaatt ctcttgaac ttcttctctg tcaaggggccc ggaactgctc aacatgtaca 360
 ttggtgaatc tgaggcgaat gtccgacgcy ttttccagcg ggcgcgcgat gcacgccctt 420
 gtgttgcctt ctccgatgaa ctgcactctg ttgctcctaa acgaggggaat caaggcgaca 480
 gtggcgggtgt catggatcga atcgtcagtc agcttcttgc acagctcgac ngatgaacn 540
 gcggatagga gaacagctgc ngcgtgtttg tcattggtgc caccaaccga cctga 595

<210> 21250
 <211> 831
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21250

caccacaact ctcccccaat ataaccceca tttttttcac accggcacta aagacccaaa 60
 tgttggcttt actaaaacag tgctttctaa cccaccacat caaatcaatt caaccatcat 120
 gcaccaaact acactactcc acaattccag aacccaccca accaaaacat tcggtgggga 180
 tcaccccaaa aacccaccca acaaccgcca caccagtgcc gcatccacgt tccacgacac 240
 gactacatat gctcacgctg acatccaacc tgagataccc cagcaacaac tatectatgc 300
 ccccatagag aacctacaca aaccacaaa ccaaatgaca cctacctgac ccaaacacct 360
 ctcaaccgga cacatgaacc ataccctctg gagagacgcc taacatttgc accaattcta 420
 tctccaccga aacaaacaca cttctccaaa agggaacccc cctttcatcc aaaacattgt 480
 cactccaatg tccccatacc cccaaaagat ccacaactcc cgtttctctg ggtccctacg 540
 agccctccac ttagcaaaaa tctaaccat aacgccatcc cctagctttc aacccccctt 600
 ggatatgaac acattaccga gcctccaatg ccaaccccc ccccaaaacc cctattcaaa 660
 ctaagggccc tacctcccc cccgttggct actgaacccc cccgcttaaa cctatatctc 720
 ccccaacctt ggagctaaaa acctttccaa ccccttttc gaggtttaaa atcctacca 780
 acctcttttt cccccccaca acaaaaaaaaa cctaacaacc cccacattcc c 831

<210> 21251
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21251

```
cagggtctca gacaatcccc gacgaatacg taagccagat tccttcgatt gccttctcga 60
taccggatct ggatggagtg gccaaactgg agttaagtc gaaggacgac ggcaaagagg 120
ttgcgtgcat tgagtctgag ttgagcaacg gaaagtcaac ggaagttccc gctgtgtctt 180
atgctgctgc tggatatggc ggagctgcac ttgctttgag cggactctca gccctgggct 240
cagcgggaca cgtcggctct gctacttcta gtcccgggtt cggagaagtt atgggttggg 300
ttcacaccat ggccaccact ggcatgctta gtgtcaacta ccccaaagtc tacagcagtt 360
ttgcgaagaa ctttgcggtc agcactgggt taataccgct ggaacagatg caacactcga 420
ttgacaactt caggaaattg acgggtggta accttactca gaataactat gactactgga 480
aaggtgttag ctcatcatct ggacaccaacc agaagagatc tctgaatgca ttatacggag 540
cagctcgact gtttgcgctg gaagttgatg cgtcagtga cagcacatct tccggcaacg 600
atacgtcgag cggcatagac atttcgggtg atggattatc aagaatgagc aaggagctgc 660
ttattctca gtcgaatacg ttcattgacag tctgtctgat ttctgccatt gtcattgccg 720
caatcacctg gggaatcttg cttgtcaagg tgatactcga gttgtgggca ctcaatgggt 780
cctttctaag aagctcgcca attttcgcca gcattattgg ggctctcttg cgagaacgat 840
caccaatttg 850
```

<210> 21252
 <211> 385
 <212> DNA
 <213> Aspergillus nidulans

<400> 21252

```
ggggggctgc actggtagca ggcaaaactc ttgttaacag gaagcagaca cctaccgccc 60
cccttactac caccgtaacg cggcatccga gctaattgggt ctcatctacg gcgattacgg 120
cggccgctcc gacgcattca agcccggctc tatctcgttt gaatgcggga tggttccgca 180
cggagttgag tacgaggaat tctccgctgc aacggcgggc gagactgatc ctcccgtat 240
gcgcatctct gaaggatcta tcgcgttcac gtttgagtct tcacgaccgt tcacaatcac 300
```

ggacttttgcg tggaagagcg agaagaggca tgagcacgag ccgaagatgt gggacaactt 360
 ggtggatcat ttcagtgagc atgct 385

<210> 21253
 <211> 490
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 21253

ggaacggtgg attggcagcc gttaggtaac gacccacgag agggacagca ggaggcagga 60
 gacagtggag ggaggcggac ccggaaagcc caacaaggga cggaggggca ggaccgaagg 120
 ggcggcacgc agngcaaaaa ncaggacgac gagccagcaa cgaaccagac gcaagcacca 180
 aggaagagaa cagcaacaaa gaggcacagg gagcaagggc ccgacaagac acaagaacaa 240
 gagaagggaa cggacgaagg cagcggggac gaaaacagac ccacagaaag accgaaacaa 300
 gacgggaggc ggagacacaa gacgacagca gggacgaaca gccgaagaaa gggaaaggcg 360
 cgcaaagaac aggagcgggg ccaacagaag aaaagacagc acggccaaac agcagcgggc 420
 ggccgcgaaa aaaaaaagaa ccgacgaaac cggagcaaac gcaacaaaaa gacagcgagc 480
 cggaaaacga 490

<210> 21254
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21254

accctttgtt ccaggccggt cgaaagggtc atttgaagt ggtgagatat ctactgaaga 60
 agggcgctga tgtcaacgcg acgaatggcg agaatgagac ctactgctg ctagcactgt 120
 tgaatgatcg aaccaagcac gggagggagg tcattggctt gatattgcag aaggagcgg 180
 acgtcaatgc tgcggacaag tctggacaaa cgccactcga catagctacc aagcagaacg 240
 atctggaatt gatgaacgtt ttaatggaac atggagccga gatcgactcc gtaacggaag 300
 aaggcgcgac cccgttgac caagcaataa tcaacgagcg cgaagatata gcggaggtat 360
 tgctggagca cggggccgac cccgaggcgc aagattcgca cggggatgcg cctctccatt 420

ttgcagcagc aagtggtcgc cgcaagatgg ccgagttgct cctggacaag ggcgtagata 480
 tcgacatcac caactacact ggagacactc ctcttcataa agccgccagc aacggacatc 540
 gaaaaatggg ggagttccta ctctcaaggg gagccaccct tgagatacgg aacgattatc 600
 gacagacacc gttgcacaag gcggttgagg ctaaaccacca tatcttgagg ctgctgggtca 660
 accgagatgc cgacgtcctc gcaaaagaca tgtacggcaa gacagccctc catctagctg 720
 cggaagctgg tctgaaggag gatgtgcact ttttgatggg tcatggggcc gcaactgacg 780
 gaagagatgg taacggacgc acagcacagg acttggtctg agtagaggga cacgacgatg 840
 ttgctgaact 850

<210> 21255
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21255

acggaagcaa tagcacatat tcgtgaacgg gaactcctgt atggtgcaaa ctccctgctg 60
 tcaaattttg gaccattggg tgagagatc tgcgccaaca acaacactta ctctgaccgt 120
 aaccttcaag ctgccgcaac catatgcatg gcgaagctga tgtgtgtctc cgctgaatac 180
 tgcgaaaaga accttcctct cttgatcacc atcatggagc gctccgaaga cccattgta 240
 cggagtaatg cagttattgc tcttggtgac atggccgtgt gcttcaatca tttgattgac 300
 gaaaacacgg atttcctcta ccggcgctc aacgacgacg acgcttccgt caagcgact 360
 tgctgatga ctctcacgtt cctcactcta gctggtcaag tcaagggtcaa gggacagttg 420
 ggtgaaatgg cgaaatgctt ggaagacgat gacaagagaa tagccgattt gtcccgcatg 480
 ttcttcacag aattggccgg caaggacaat gctgtttata accacttctg tgatatgttt 540
 agtcttctaa gtgcagagcg caatctagaa gaaggagcac ttaggcgcat tgtcaagtgc 600
 ctgatcgggt ttattgaaaa ggtaagttta tttctgttct tgagaacata aagcttttcc 660
 aagcaggaac atgaaactaa catacattgc tctacaggaa aaacatgccc gccagttagc 720
 ggagaaacta gctgcccggt taccaagatg cgaaacggaa cggcagtgga acgatgttgc 780
 atacacactg tctcttcttc cgcataagaa tgaggagata gctaaaattg tggctggtgg 840
 gttcaacaaa 850

<210> 21256
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21256

```
tattttaatt ataccagggtt ttggtataat tagtacagtt attgctgctg gatcaggaaa 60
aaatgtattc ggatatttag gtatggttta tgccatgatg tctattggtg tgtagggttt 120
cttagtttga agtcaccaca tgtatactgt tggtttagac gttgatacaa gagcatattt 180
cacagctgct actttaatta ttgctgttcc tactggaatt aaaatattta gttgattagc 240
tacatgttat ggtggttcat tacatttaac acctactatg ttatttgcac taggttttgt 300
agttctattc actattggag gatcaagtgg ttagtattta gctaatagcac ctattgatgt 360
agcattccat gatacatatt acgttgtagc tcattgccac tacgtattat ctatgggagc 420
tgtatttgct ttatttagtg gatgatattt ctgaatacct acattattag gggtatctta 480
tgatcaattt gcagctaaag tccactggtg aatcttggtt attggtgtta atttaacttt 540
cttccttttt catttcttag gtctacaagg aatgcctagg ggaataattg attatcctga 600
tgctttctat gggtgaaact tactaagtag tataggttca attattagtg ttgtagcaac 660
atgatacttc ttaacaatta tatacaaaca attaacagaa ggtaaagcag tttcaagata 720
tccttgatta acacctcaat tattcagtga tacattccaa gtgttattca ctagaaataa 780
tagttcatta gaatgatgtt taacaagtcc acctaaacct catgcttttg ctagtttacc 840
tttacaatcg 850
```

<210> 21257
 <211> 295
 <212> DNA
 <213> Aspergillus nidulans

<400> 21257

```
tccagggcgc caatgcacag aaggagccac gtgggatctt tgaaagcgtg gaagtgaacg 60
cacaggaacg agccaatgtg tcttggtatg accggtagca atctgggagc tgattgtacg 120
cagtatggtg gtgtccaaga gcacggaagg gccttttcaa cgcgaggatt ccaatacctt 180
ggttgggggtg attgctcgaa gcgctggggg ctgggacaac gacaaaacgg tatgctcgtg 240
```

ctcgggtaag aatgtgtggc aggaacgcca ggagcaggtg gctcagggaa tgctc 295

<210> 21258
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21258

cggactgact ctaagctagg gttgcatgg ggcgcacagc actgttcgca agcaactcgg 60
ttacaatatg attggtgata gcacggatgc agtctggggc gtgatggaca tgatcccacg 120
taccgatttc cctgatatcc gcaaaaaagc ctccattcgg tccaaggcgg gcagtctact 180
gattatcccc cgagagggcg aaaaccgcaa cttgacgcgg ttctatatcg agctgccagc 240
tggcacgaag gctaaagagg tcaagcttga agacctgcag caggcagcca aaaatatcct 300
cagccagtat aagatagagt ttacagagac ggtctggtgg tctgcgtacg cgatcggcca 360
gcgacacgca gatttcttcc acaagaacta ccgcattctc ctcgccgggg atgcgtgcca 420
caccactcc ccgaaggccg gacagggcat gaacgtcagc ttgcaggacg gatacaatat 480
cggctggaaa ctggcacatg tcctgaaggg gctcgctccg ccatcattgt tggagacata 540
cgtcttgag cgtgaaaagg tagcgatcga cttgatcaac ttcgacagat acttctcgaa 600
gctattctcg gccaaagggga atgcgtccgc tgcggaattc caggaggggt ttatcaaate 660
tggcaaaaaa acggctgggtc tgacagcaaa gtatgacgaa tcgcctataa catgtgattt 720
ggggttttcg gattcctttt caaagaatgt tgtggtgggg atgaggcttc ctaaatecaa 780
ttggaccgtc ctgggactgg aaccctccag ttattaggcc ctcaaategc cggccatgga 840
tggtttacag 850

<210> 21259
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21259

ttgtcgggag gacgatacac tctggtaagt ggccaccgta ggcctctatg aaggatcatg 60
cttataaact tatacagcct gttcgaaatt acaccggacg gccttcttac ttctatcccg 120
gggtggaagac agccaacacc ggaagactac acggtttacg gctcgtgcag ttaccgctcg 180

ccttccaacg gaaaacaata cctctttgtc aacgaaaagt ctggtctcta tctccaatac 240
gaactgactt cctcgctaa cggaactctc gccacaaccc ttgtccgcaa gttcaccggc 300
ggttcaggcg gccaacggga gggatgcgtt gctgacgaag aaaacggcta catcttcctt 360
ggagaggagc cattgggact atggaggtac gaggcagagc caacggggtc tccaaacgga 420
acccttatcg ccaaggtggg tgatgggact atctacgcgg acgtagaggg cgtcacgcta 480
ctgccggggc aaaccctga acagggctct atcatcgtct cgtgtcaggg ggtgagtgcg 540
tactccgtct atagacgggc ggaaccgcat gaccatgtgt taacttttac gattggggaa 600
tctggcgatg ggagcgttga tggggtcacc aatacagatg gagttactgg ggtgtcgaca 660
ggattgaacg acgactttcc gaggggggtt cttgtgttcc acgatgatgc gaatcagcta 720
tctacaggtg aaacggcgga gctggctagc tttaagcttg tgagtctcga agatgtactg 780
gcggctgcag gcaagagaac gtgggtgttc gaggaagtcg acgagacgtg ggacccgagg 840
gcgtaacctt 850

<210> 21260
<211> 838
<212> DNA
<213> *Aspergillus nidulans*

<400> 21260

acaggagaca cactacaacc tggtgtcgaa cgccttattg gtcagctcga ggaacctcaa 60
catacttttc ccaaggggat gcctcagatg ccggagatgt agcgggtgttg gcaaatacag 120
tcggctcgtag ggagctggga aaacatcctg cctattttcc tatctctgac gagtatcggg 180
ttgaaatcct gcaccgcgtc ttagacatct gttctcatga caactattca aggctaacag 240
atattgaatg gtacgtcagt gtattaattc gactggtgaa acatcttccc acaagagttg 300
aagaacatac ggtgagccaa gggtttgaaa gtagctccag ggacgatgca gcaagcagaa 360
ttggattgga aatgcgaaat attgctgttc gtgtcaagaa tgtccggatg gaagcgacaa 420
gagcagctga attcctgcta ctggttgaca acaggcagtc agtggttgca aatgtttctc 480
ttgcatataa tgggtgtactc ggccctctag cttgggtcgt tggcgaatac gccgaatata 540
tctcgtcccc tgggtccgatg cttcagtcac tcatcgatgt gtctaccacg tcattgtctg 600
gaagagccct tggtcttttc gttcaggctg tcccaaaagt cctagctcgc atagttcatg 660

attatatggg aacatgggac gtgagacaga gaagtgaagt ttccctgttc ctggcgcgga 720
 tcgtggagtt ttacgaaggc ctgcgcgactc atccggatct agaagtacag gaaagggcta 780
 ttgaatttca taaagatcat gcgcttggct gctgatgtga tgcagacgag cacgcagc 838

<210> 21261
 <211> 836
 <212> DNA
 <213> Aspergillus nidulans

<400> 21261

atgagtgtcg acacaccggt acggtcagcg acgcagtcct gtccctccacc cgaattgccca 60
 caacttgtcg ctgagcaaca tgttcccatc gtcaccaatg ataaggagac gcagcggttg 120
 attgtgggtc tgtcacacgc cagcttggag acgtttaaag cttctcacgg tggacgcaat 180
 ggtactgttc gcgacgagaa atactctttg ctaaacagcg atgaacatat tggcgctcatg 240
 cgcaaaatga accggggacat tagcgaggcg cgtcccgaca tcaatcatca ggttggacca 300
 tcttatctct agcgaagaca ttctgataac acttgatcgc tgaccatcct cgtctgatac 360
 agtgtcttct cactcttctt gactctcccg tcaacaaagc tggcaagctg caaatctaca 420
 ttcacactgc caaaggcggt ttaattgagg tcaaccctc ggttcgcatt cctcgagctt 480
 tcaagcgctt cgccggtctc atgggttcagc ttttgcaccg actctccatc cgttccacta 540
 actcgcaaga gaagcttctc aaagtcatca agaaccaat caccgaccat ttgcctccaa 600
 actgccgcaa ggtgacgctc agttacaaag ccccggttgt gcgagtcaag gattacatcg 660
 agtctctggg ccccaaagag agcatctgta tatttgttgg agctatggcc aagggccagg 720
 atgactttgc ggactcgttc aaggatgaca ccattagtat cagcaactac agtttgagtg 780
 cgagcgtcgc atgcagcaag ttctgtcatg ccgcagagga agtttgggat atccta 836

<210> 21262
 <211> 586
 <212> DNA
 <213> Aspergillus nidulans

<400> 21262

cttgtcgtcg aattaatata gcataaggag ttagtctacc aagaaaagac cgctacggag 60
 gggggggaag aaacatacat ccgtatcgcg gttgttgaaa ataacgtaca agcttttctt 120

acattagatg aataacatgc acgctcttaa tcgaaagaat tagatagcaa caccggcgct 180
gacgataatg gtttattaat cagtctgcc a ttaggggtaa acgataacat tgcgactaac 240
gggtttcgga caacttgtgc gagcataaag atatgcatac ttcaatccaa tttatgcaga 300
ctacaagttg ggcattagct taaattttta taccocat ttt cagtcaggga attaaacatt 360
ggccccagtt gtcaatgggt tcttcaaag aaaacccaag gggttttacgc ttcgaaaaaa 420
accaaagaat ctggatttcc cctttcggag gaaccaagtg gaagggtttt tcacagcctg 480
ttgcgctctg tggaaggcct attctacttg ggtattacca cggggggggt tattctaaat 540
ccagtttaaa tggggggggt taggttaaaa ccaccttttg gccgcc 586

<210> 21263
<211> 850
<212> DNA
<213> Aspergillus nidulans
<400> 21263

gatcattgaa ggcaccccca ccgtcattat cggcatcgca acctgggttct ttctcgcgga 60
tgatcctgag acggcttact atctcaatgc cgaagaaaga gcattagttg tcaagtgccg 120
cagtcggcac tttggccaca ccgcacccgc ccaaaaattt cactgggcag acgtcaaaga 180
aggcgactg gactggagga tttacgcctt ttgtatagcg caatttggcg ttgacactat 240
gctctacgga tacagcacct ttttgcctac catcattaag ggactagggg actgggtccgt 300
gcccgaagtt caagccctga caataccctg ctacgcacta ggcgccgtcg catacttgat 360
cgttgcatgg ttcagtgacc gtaccaaacg tcgcggccta ttcactctgcg tcttcgcggc 420
gatttcagta gttgggtacg gtataactcat ttccgactcc tcgtctggag tgcattactt 480
tggcgcgctt cttgttgac tgggtcttta cgtcgcggtc gggctacctt tggcctgggt 540
gcctacgact cttccccgct atgcgaaacg tacattcgcc accggcctgc aacttacatt 600
tggcaatgtc agtgggggtga tgcgccgtt tctctacaaa accgaggagg ggcctcggtta 660
tgtgcgcggc aacgccgtga ctttggcggt gggttggttt gcagggataa tctatgggat 720
catgtgggct tattatctgt ggaagaacaa gcgtagagaa cagggttttg aagacgagaa 780
ggctgctgga aagacggatg aggaaattga agagatgggc gatatgagtc ctcgatatcg 840
gtatgctgta 850

<210> 21264
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21264

```
attgccttgg tatgagctgc cttgcgcgac catatgcttg atgtactaca acagctaggt   60
gatgaactgt ataattatct tttgcggata tggccgttgc ccattgacaa agtcaaaaag  120
atatttactc agcttggttg ggccgtgtca tacgttcaca gcaagcagtg cgttcaccgt  180
gacctaaagc tagagaatat cttacttgac aagcacgaga atgtgaagct ttgcgatttc  240
ggattcacca gggaatacga gggaaaagca agctatcttc agactttctg cggcacctgt  300
tgctacagcg cccccgaaat gctcaaggcc gagaaatacg ctggcgaaaa ggtggatgtc  360
tgagagcttag gcattattct ttatgcgctt attgcaggag agctccctta cgacgatgac  420
gacgaccagg ttaccaaagc gcggattttg aacgaagaac cgaaatttaa tgacaaattc  480
cccgacgacg ccaaggcgct cataaacctg ctcttttcta agcggcctct tctccggcct  540
agtttggacg aagttctcgc ccaccattc ctatccgagt atgctgctga acagctagca  600
attctgaagc ttctcgggcc gccgcccttt tcgacatctc tagagaaaac cactctacat  660
cgaatgaaaa gcgcgggaat caatattgac gatgtttag atagtgtcat ggctcagcgc  720
tgtgacgcgc ttgccggttg gtgggctctt ctaatagaga aggagcagcg gaaagaagcg  780
aagagagaaa gaaaacgacg agagcgggat gcagaagcaa agaattattcg ccgtctaagc  840
gcagcgagca                                     850
```

<210> 21265
 <211> 698
 <212> DNA
 <213> Aspergillus nidulans

<400> 21265

```
gcaacgcccc ggggggactg ccaactctgt gcacacctcg ccataaacgt cggctgaagc   60
ggcgcaatgg gcactgcgct cgggatcgac ccaacagtcg tcgatagcag gggcgagacg  120
gcgttttttag tcgccgtagc gcgcggccac ctgcactcg tcaagacctt cctagctgtg  180
ggcatggatc cagagcttcc atccagagcg ggcacacccc ctttatgtaa ggccgcgcgc  240
```

gggggacata tgctggtggt tcaatgcctc ttggatgccg gagcagacat ccgacgcaga 300
 gacgacaggg gtttcaatgt cgtagatttc gtcaccaccg cacgggagga cacgggatcg 360
 atgcttgaat tcctccttca acgaggtgct gatcctagcc cacctgctgg cactgtccgt 420
 atgacagccc tgcactccgc agcccggctg ggactcgtca agaggactgc cctgctctgc 480
 tcggcttccc cggtcgacgt cgtcgatcag cgcggtcgca ccgcgctcca tctcgccgtt 540
 agagagggcc acgccgcgac ggtggaggtc ttgctacagg ctggcgccaa tccatctgtt 600
 gcagatgaaa gacagaaaac gccgaagcac gaggcagtgg ctacaagctc tacggatatt 660
 gtcaaacaac tgggtggcca tggagcatat gttcgacg 698

<210> 21266
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21266

acaactagac gggttgcaac tgctgcaaga ctggcttata gcagtagcga atgaccagat 60
 tgcctgcatt gacgacaatg acgaaacggg acaatatggg cacttgacgc ggttccgacg 120
 tgatatcgag cagtacgtcg acccgaaata catggcgctc ccgcgaattc ccgagattga 180
 tgctttacga gatggctacg tcgatttgag tacctactgt atttcgcaat tcgtgaacgt 240
 aattttcgca gtcgacctgc agggcacgat tcgcgatttt tttaccaga gatgggatgg 300
 agatttcgcc gtgaagcgaa tcacttctac gttcgacgat tacatggccg attactcgcc 360
 tgtctccac cctccctca cagacatcct cgtcgaagaa ctctcc tagt 420
 ccgtacctc tcatcggtcc gcaacaaggg tgtaaaattt cgcgcgacaaa ctgacccta 480
 caccgacaaa ttcaaggacg acgtcctcac agtccttgca tttttccaga aatacccgga 540
 ctcttttgca ggcacatca agcagaaatg gcggcttgtc gactgggttg tccggcttct 600
 tgaggcagag aaaggctcctg ctgtggttaa tgtctatgaa gacttcaaga atgagtactg 660
 ggacctgcag ctctcgtggg ttgaaacagt ccttagggca cgggatgact ttgagggag 720
 tatgattact gccgtcaaga ctaacgcggc tgaattgtct gttgaacgga ttgagac 780
 tctaataagt agagttcgtg gaccttgctt gtttgtgccg gtgggcctt ccggggcggtt 840
 tggagttggt 850

<210> 21267
 <211> 672
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21267

```
tatgcgggtg ttactcgtag acttatcact gactttccta gcacatgaac ctagtgctag   60
ccgatacgga agaattccgt cgcgttaagc ggaaagcgaa gtcggcaccg ggaaacgcgc  120
cccttgctga agccgaagag aaacgaaccc ttggtcttac aattgtccgc ggtactcacg  180
tcgtttcttg ctctgtcgat ggacctcccc cggccgatcc ctcagcacgg cttggaggcg  240
gtccgagtggt tcccgccgct gccaccctgg ccgccggccc tggaataagc aaaccgcgtg  300
gacgtggtct gcctgtcgga cttggaggac ctgctgctgg tgcggtgga ccgccgcctc  360
caggcggttt ccccgattt cctcctggtg gtttcctgg tgcccccca ccgggctttg  420
ctggacgcgg aggccctgga ggacctcgta agttgattct accctgaagt ctgatatatg  480
aagctgacaa gtgttagccg ggttcgctcc tcctcccga tttggtgctc ctcaagctcg  540
taagtactcc cattggaaat gttaaaacta cgtcatctga cttctactct agctggcggt  600
ttccagcctc cacctggctt ccagcctcct agtcagggtc ggggttatcc tcctccaggc  660
tttggaggac gg                                     672
```

<210> 21268
 <211> 675
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21268

```
acccaaacgg aatggcgcaa ttgggcatca tcattacggc cccggttggg accgcgaaat   60
ccctcgcaaa acgcgccgta actatgcaaa actttggctc tcggtcatcg aaacttgcaa  120
ggctgcaatg cgcgagtatt cacgcaagga gcgggtgtga cggatgagca ggtccctctc  180
ttcgcaggcg caattccagg tagagattac acagttctaa caaagaaaaa catcacttca  240
ttgcgcacag aagcagagaa agaaagcatc actggtgctc tcggtgaagg cttgcttcag  300
cagctggtgg aattactggg ccagggtgcc cggatcatgc tcctaactct taaaaccaat  360
gacctgagta ggtctcctta ttcttacatc tagggcagtc tcactaacgc cttgatagct  420
```

cgcagtctcg acgagaacct tcacactcgg caaggcccccg tacggacgtt ccttattctc 480
 gcgcgctacg caacccgcac agttttcgaa gagcagatgg atactatcaa tgagagcgg 540
 gggttgctgc gcccatcaaa cttctggcaa tttctttgcg cttggacaaa atttttgcgt 600
 gtggagctaa agctttccgt gtacgaaact gtgctcttgt tgagaagtcg gttaggactt 660
 ttgtagtccg cggcc 675

<210> 21269
 <211> 622
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21269

tttttttttt atatgcagca tgtacggtcg aggactatcg gcaatttggt aacttgcaag 60
 ttgtcgacgc tcaatacgat aaacctgtta cattgcgggg caacctggac aacctgtttg 120
 tcggcaatcc tgccaaagtt aaggagtcac agacaagcag cggaatacgc tgatgagaat 180
 ctggattgga gcctcttcaa atctgtttct cggctctgat atgacgaatt cttgatgatc 240
 taggcagatg gctcatcacg tccccctcgt ctattgctgc tgcagacttc tgcgccatgt 300
 acccgatgca gccgcgaaat cctgggacgg gcagcaacca ggccgtgcag ttgcaggcgt 360
 gtattactgg cccgagttag cacggtgagg cttatgtggt gctgacgaac ttgggcaaaa 420
 cctgggcgat ggccgctatg tcacggttgg tggcggagag caaaaaatgt ccgttacgct 480
 tgctgatatg ggacctcaa ggtcttctgc taatagattg gatctctccc tagaccaatt 540
 catgtttctca tcttgctgtg aacacatcta aatggccttt aaaacagccg gagtttttat 600
 tgtctgtgca atgaaggtgc at 622

<210> 21270
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21270

agaagaaaag ggaatgaatg aagaaggaga gatggaagag ggggagaaga aatgaagtcg 60
 tgaaagaggg aaggatcgaa caacgttttag ggaagatgca gacgagagtt gacgattcac 120
 cacagctctc cgacgtcgaa aaatcctcca aaggtcacgc agcttcgctc ggcgccctccc 180

tgcaaacatt tcagtcaaac catgaaggtg ccattgttga ccgaatccat gccgctcgcg 240
 ggaacaccga cgcgatcatc atcaaccccg gtgcatatac acacacctct gtcgctattc 300
 gggatgccct gttaggagtt gagattccct tcacgaact ccatgtgagc aatgtccatg 360
 cacgagagcc gttcagacat cacagttact ttagcgacaa agcgtcaggc atcattgtgg 420
 gactgggtgt gtatgggtac aaggctcgag tggagcatgt tgcgttgaac ttcaagcctc 480
 tggagaaaaa ggctgctctt 500

<210> 21271
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21271
 tcatgcgaaa cagcaggctg ctttgcgtca gcaggcggag gaaaacgcgc ccatgagtaa 60
 tctccgcggt gatcccaatt atgcacctgg ttcccttact tcgcaaacac cgaaccgtga 120
 tgtgaagatg cctccgcttg gtaacttcaa cgtcaaggac tcggcgaagg agggcaaaaa 180
 gcgtagaact gggcctggcg caccaactct cgggtggctca agcgttggcc ctgctggggg 240
 tgtggatgct gcacggatgg tcgactcgca ggcgggacga gggcaagtcc tgccagcagg 300
 caatgcaaat aaggttagtt ctgcaacatt cctttcatat ctaagcatct atatggataa 360
 gacttcgctt tcgtttctct tctggctggt ccattgtcgc gggttgatac cgggacgttt 420
 tacagtggtc aggtctaaca caacctacac ctcttccggt tactccgttc gctctgtatc 480
 actttttaat gatctatgga gcatgctgat tttatccaga gagccaaggc tcatcacaca 540
 aagccttcac aggcagaagc tccggctggt tctcctactc ttgtccctgc tctccctgag 600
 cctgtccagc ctacattctc tttgacgccg acacaggaag agtttgctt tttcgatcgc 660
 gtcaagaagt acattgggaa taaacagact ttcagcgagt tcctcaagtt atgcaacctt 720
 tactcaaccg accttatcga ccgacatgtg ttagttaaac gggccgctgg atacattggg 780
 tcgaatccag aactcatggc ctgggttcaag cgattcatgc acgttgagga gccggagata 840
 agattgttga 850

<210> 21272
 <211> 621
 <212> DNA

<213> Aspergillus nidulans

<400> 21272

cctatataaa gctactaaga ttatactaaa aatatttagc tctttttaaataaaaataaagc 60
tgagaactac tactatatga gaatttttatt tatataagat atttactagc tgcagcccta 120
gtatcatttta tataaagagg gcaaagctac acgcgtattg ggagtattat atcttaaata 180
ttattatttaa aaagaactac tatctattac ccctaattta taagatacta aactaaatta 240
gacaagctag atagtttact aagctaaata tattttattat cctctataaa atctatatag 300
ctaaagacta ggaataaata attactttct atataaaata taaatttttt aaatagctag 360
ttactctttt taagtttagct aatatactaa gtatttttcta aaaatatatt aactggacct 420
tctagaaata tttagataaa ttctactcta tatactcttaa taatatactt atttatgcta 480
ataagaacct tgactagtag tagaaatata tataaataat tttaaataaa tcagaaatag 540
caggcctata cttaaataatt aagaaatata aattaaaata taagaagata aaatacttag 600
gctttataat ataagcagga a 621

<210> 21273

<211> 850

<212> DNA

<213> Aspergillus nidulans

<400> 21273

tcggtacatg ttagcagagg cgctggctta taagcgacag gggttatgac ctttcttgcc 60
cacgagctca tctacttcgg ccgctgcatt ccctggatcg tcgccgatgc tcttcccagt 120
gtctttcgtc gtttcaagat ccaagaccac aagaccccggt cattcagcga ccaatggaca 180
tgtgttaagt acatcctcgc catccacttc atcgtcgagc taccgttgat cgtcctcttt 240
catccgatga tggaagtctg ccacgtccaa tatacgtcgc cttcccgaactgtctctc 300
ttcgtcgcgc aagtcgctct ctttttcatc gtcgaagaca cataccacta ctggctgcat 360
cgggccatgc attggggccc gctgtaccgt tccatccacc gcattcacca ccaatacgt 420
gcaccgttcg ggctgacggc tgaatacgcc agtcgggcag agacattcct gctaggcctg 480
gggtacaattt gccgcgccct tattcttgga tccatcactg gcgatgtaca tctgataact 540
gtattgggat ggatggcgct gcgtcagctg caggcaattg acgcgcattc aggctatgac 600

ttcccctgga gcttgcgacg aatcgtccca ttttggggcg gcgccgattg gcacgatgac 660
catcatcgat acttttgggg aaactattcc agctctttca cgcattggga cagtgagtat 720
aggcccaatc tctaggtgaa ttgcgctaac tcgtgcagtt ttgatgggta ctgtcgctgg 780
tccgagagga aaggcaatgg gacataataa gcggcattga cgaggatatac gggttggtaa 840
aaagttttgg 850

<210> 21274
<211> 720
<212> DNA
<213> Aspergillus nidulans
<400> 21274

ccatctgttc ttctcggcta cgtcccctcg gccgcacctt tcttcacgtg ctacgatggc 60
gtcaagtgct ccctatcaac gaacctcgag tcacagtccc gcagccatac aatcctcgca 120
cagtcgcttg cgtcgtcgat gggcgagatt gcagcatgcg caatcagagt gccaacggag 180
gttgtaaac aaagagcaca ggctggcctt ttcggcggct cgagtctgct tgccctaaag 240
gatatcttag ccctgcggca tccagacctg acgagaggcg caaggggtgg ctatggacag 300
gttgtagggg aactgtaccg aggcgcgggg attacaattg cgcgtgagat tccattcgcg 360
gtcctgcagt ttagcatgtg ggagacgatg aaggaaacat atgctagacg gaggcagttg 420
gaagggccgg tgccggcgtc caccgagcga atctttggaa gcattgccgg tgcatctcg 480
gctgggttga cgacgccgct ggatgttata aaaacgcggg ttatgctggc gcggcggggc 540
gatggtgcgg agggcaaagc cgggggttca cttaggaag tcgtgcaggg aatctctgcg 600
gaaggctttg gcgcgttctt caggggtatc cagcccccg ttgcgtggat cggatttgga 660
ggtgcagtgt tcttggggag ttaccagttc gcctggaata ctatggagcg gaggtcgaag 720

<210> 21275
<211> 739
<212> DNA
<213> Aspergillus nidulans
<400> 21275

ccgcacgaac ttctacgccg agcaggggtg gcaagaaaat gacactggac gaatcgttat 60
cgacggacag gctgagctcg aagttgtcga tgtccaacag tatgctggtt acgtcctaca 120

cacaggttat atgaaatatg gctccttcaa ggtogatgac acggtcacat gtgagtacga 180
 tgagcttcga cggtggccta tcaggaacaa ccataccgga acccacatac taaacttcgc 240
 actgaggggg gtcttagggg acggcattga gcagaagggc tctctgggtct ctgcggaaaa 300
 attgaggttt gatttttccc acaagtcacc tgttacggat gtggaattgg taaaaatcga 360
 ggatttgtca acccaatata tccgacgcaa ttgcttggtg tattccaagg aggtccctct 420
 ttcaatagcc cgaaatattg cgggggtgag agccgttttt ggcgagacct accctgacct 480
 cgcccggtgtt gtttccgttg gtgctgaatt agacgaaata ttgaagaacg tcgaagatcc 540
 gcgttgggcg gacttttagca ttgagttctg tgggtggaact catgtgcaaa agacaggaga 600
 catcaaggat ctggtcatat tggaagaaag tggaattgcc aaaggaattc ggcgaataat 660
 tgctgttaca gataaagatg cccacgaagt gcagcgccta gcggaggaat ttaacacggc 720
 catccacctg aggcaatgc 739

<210> 21276
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 21276

cgcaccaaag cagtgatcca cattattnnc gactttcaat acaatncncc tctcaagcac 60
 actcgggggtg ccaccgtggg cgaggtctca tgacctgcc aagctcccc gaagcaccgg 120
 ccatectcct agtcccccaa gccccccga ccgccacttc atccccacc catcccccta 180
 cccccccctc atccattctc ccgcgcccc cccctccac cccccctcc ctaccttaact 240
 ctccccaccc accccacccc cactcctcct cccaccccc cctgcggggc ccttccccac 300
 cccaccctcc ccccatcccc ccattctccc accctcccat ccttcccctc cccccccaca 360
 ccaccacccc acaaaccccc ttgcccactc cccactacac aacactcagc cccactcctt 420
 cactagcacc tacacaatcc cttacctcog ctctactcca tcgctcacc tatacatctt 480
 cacaccacac cgtaccaccc 500

<210> 21277
 <211> 799
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21277

gacacttaac gagctcaaat tcgacgccat gacgctgggt aaccacgagt gggatggtgg 60
cgacgaggcg ctcggccaat tcctgctcaa cctgaccttc ccgatcgtct cgtgcaacgt 120
caagagcgag gtcgagtcgc tcaacgagac gatcaagaac taccacatct tcgaggagca 180
cgagatcgct gtcattggtg ctacaacgac gacgacgccc ggcattctca gtgtcggaaa 240
cacgaccacc ttccttgacc ccgtcgccga ggtccagaag gccgtctggc agatccgcaa 300
tgagacggag gtcaaccgca tcattcctgct ctctcacctc ggctacgagg aggaccagga 360
cctcgccgcc aagacggagg gaatcagctt gattatcggt ggccactcac acactcttct 420
ggcgatatg gaagacgcca agggtgacta tccaaccatc gtcgaagatc tgaacggtca 480
tgaggtcttc atcgttaccg cctaccgctg gggcgagtac ctcggggcca tcgacctgac 540
cttcgatgac gacggccacg cgctcgcgta ccacggcgca cccatccaca tggataacag 600
caccagcttg gacgaggagc tcgacacgaa gattcaggga tgggccgagc gttcgccgac 660
tttgccgccg aagtgtctgg cgagacggac gcggtgctcg tgcaggagac gtgccaggag 720
ggcgactgtc tgctaggcca ggtcatggca gatgcgatgt atgagtaccg ctacaaccag 780
accgagggca ccgacgacg 799

<210> 21278

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 21278

gcaagcgaa ggcgcaggcg ctgcgtccg ccgttcaatc ggcactccaa agctacgcaa 60
cttctcgcca ttcctcatgc tagatcactt taccatcggc aagggcgccg gcttccccga 120
ccaccgcac cgaggccaag aaacaatcac ctacttgctt tctggtggtg tcgaccatga 180
agatttcgca ggaaataagg gcacaatcgg accgggcat ttgcagttta tgacagcagg 240
caagggaatc atgcatgcgg agatgccgca tgagaacgaa gacggcagcc ccaacgtcgg 300
catgcagctg tgggttgatc tgcctaagaa gctgaagatg tgtgagccaa ggtaccgcca 360
tttgcgcgcg agcaagattc ctgtcgcgac ggttgaccag ggtcgcgtga ctgttaaggt 420
tatctccgga cagagccatg gtgttgattc tgtacgtgat cttgcttaca cgccggtctg 480

gctgctggat gtggcgatca agcatggtgg tccgatcacc cagatcctcc ctgtggggtg 540
 gaatgcgttt gcctacacat tggctgggac gactgtgttc ggttcaaata actcgacaca 600
 gctggtgaag caattccata atgttgtttt tgagcagagt ggagatcacg tccagggcgtc 660
 agtgccagat aatgcggagg aggactcgag attcatcctt gtcgctgggc agccgctgga 720
 tcaaaaagtt gtgcagtacg ggccgtttgt gttgacaagt caggaggagg tctatcaagc 780
 tatgcttgat taccagactg cctcaaattg gttcgaaaga gttcgggggt gggagagtga 840
 gattggaaag 850

<210> 21279
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21279

cgtatgcaag atcttggagt cattgttata gggcctggct gggaagcatt ggatcgcacg 60
 ggagacaagc tcagagcgaa gcaactggcg gtggagaaca acgttctctgt attaccgagc 120
 ctggaatacg acatggccac tccgctgca acaggccttg gaaagatcaa atcatcgtc 180
 cataatgtgg gatacccggt catgatcaag gccgtcgacg gcggcggagg acggggcatc 240
 cgactcgtcc atagagacga cgacctgggg cagcgcgtgc gcgcactctgc agctgagtct 300
 ccatcacaaa cagtatttgt ggaaaaagca gccatagacg ggtttcacca tatagagatc 360
 caaatcgtgg gtgatggtaa agacgtgcag catctgtggg agcgcgactg tagcgtgcag 420
 cgacggttcc aaaagattgt tgaaatcgcg ccatcattga tccgcgatag aaatcaggag 480
 ctggtcagca gaatagccga cgcagcagta cgcgatga aggccatccg ttatcgatct 540
 cttgggactg tggagtttct ggtcaacgaa caactcaatg aattctactt cctcgagatc 600
 aacccgcgga tccaggtgga acacactatc acggaagcca tcacgggcgt tgacctggtc 660
 cagaccagc tactcatagc acaaggatac ttccttgccg aacttggctt ggacacttgc 720
 cccaaagccc gcggtcactg cattcaactt cggctatgct ccgaggatcc gcgcgccaat 780
 ttctcgctga gtgtgggaaa ggtgatggac tttaacgctc ctactggtaa tggagccgac 840
 tcgataactca 850

<210> 21280
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21280

```
gcgtgccatg gcatgggggc atccagatgc caaaggacat ggactttgtc agcgctgcat 60
cgcttccccct agctttttaca gttgcttact ttggtctcgt taggagtgcg agcctgacaa 120
ccgggcagtc agtcctcatt catgctgcag ctgggggcctt cggacaggcc gcaatcatgc 180
tggccaagca cctgggtgtc acagagattt atgctacagt cggctccccct gagaagcaag 240
acattctcga gcgcgaatat ggcatccctt ctgagcgtat ctttagcagc cgcgacgcat 300
cctttgcccc ggctattttg gctgctacca agggacgcgg cgtggacctc gtgctcagct 360
cactttctgg tccgctactt caagaaagtc tcagcacagt tgcacctctc ggttatctgg 420
tgaatatcgg gaaggcagac attgagagaa acagcctgat ggactcagag tctttctctc 480
gcggcatctc tttcgtatca atggacgtcc caaccctctt gcagcgccga ggaccagatg 540
tgcaccgtac gcttggtgag atcaccagcc tggcgaaca gcaggtgctg aagccggttt 600
accctgttac cgtttacccc atgcaggatg tgcaggcggc tttccgcttc gttcagacag 660
gtgaccagat gggtaaagtt gttctttcag ctggatcgga cgaacagggtt tacgtgggtcc 720
ctcgacaaaa gggcttaaca actgaatctc aactacgacc cgatgcatcg tacctcatcg 780
tgggaagtgt tgggggtatt gggcgctcagt cgcacactgg ctagtggctc acggtgcaca 840
gcacttgatc 850
```

<210> 21281
 <211> 626
 <212> DNA
 <213> Aspergillus nidulans

<400> 21281

```
ggaaaatttt gataaaccag tgaaagtgga ttagatttaa cgccaaaaat cagtttaaaa 60
cattgactat cgaagaagca gagaagttca tggccaagaa gattaaagat cctaggtggt 120
tcatggagaa gcaacaggag caagcccagc gacaggagct ggagagattt gcaaaccaaa 180
gaaaagtcta cgctgggaag cagggctactc cagcggcgga gggcctagaa gctgacgata 240
tggattttga agaggaccgg ttcgccgatg atgaagagca cgacgatcta ttcggtgaga 300
```

acgaagatgc gaaggcggca gagaaacgaa taaagcaaga tcaactcaag gcaaacatat 360
 ttgacctgaa aaacgagaag gattatgagg aagaggagtt aagggagaag agggagaagg 420
 aagctcgccg cattcttggc aaaaaagttc gcaaagccct ccaaagagg gagagaatt 480
 acgactacag cagcggatct gatgctaatac cttataccga cgatgaggta tgttggccat 540
 ttatactcac aatgtgtgaa ggatctgacc ttgcgtcata cagagctctg acgacaccga 600
 cgacgagagg gccaggaagg aggaac 626

<210> 21282
 <211> 700
 <212> DNA
 <213> Aspergillus nidulans

<400> 21282

gacaacacag caacatcaaa aaaacaaaca ataataaaag aaggggcggc gaccgacaac 60
 cccagaagag aaaaaaaaaa aaaagggggg gggcggagaa caacacaaac aagacgaaca 120
 cccaaacatt gattccaacg caaagaccaa caaaaccagg ggggacaaaa aagaaggagg 180
 ggcggagcaa caaccaagaa aggacaaaaa cacggccaaa gcagaacgaa cggacaagag 240
 gccacaacaa gaacaacacc aaccaaacac aacagaaaca ccagcaagaa cggcaaaaaca 300
 aaaagcaaac cacaggacca aaaaccgaaa acacaaaaac aacgagacaa gaacgaaacg 360
 aaacacagcg aaaaacagag aaaacaaaga aaacaacca aacgaacaac aaaagcacac 420
 aaaaggaacg aaacagcaca accgagaaga acacaacaaa cccaacaaag cgcagaaagg 480
 aaccaagag aaacagacca aaaaagcgcg caagcaagcc cacaacaaaa aaaaaacgaa 540
 accaaaagac aaggaacgaa ggaaaaaaaa aaccgccaac acaaccagaa agaaacacaa 600
 cgcgacaacc aaaaaacagg aacaaaccca gcccaaaaag aaagacacca cccaaaagga 660
 acaaaacacg agggaaaacc aacgaaaccc acaaaaagga 700

<210> 21283
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21283

ctcaatatcg tatttgccat tggatctgga atcatattga aagacaaacc agcagaagat 60

cagaaagaag gtcgtgatca tttccccctc tgcaaccaag agacagcgcc tgtcaagtgc 120
 tcagtatcag ccagaagaat atcatgcctc tgccattgtc cacttagagt ctttcttgtc 180
 gactttctcca accactgatg gttttgggtgc tttggaggag cttcaggcag tcctcctcct 240
 tgcaagtttt gctctgctcc gtcccgtggc gcctggcctc tggtagattg tcgggggtgc 300
 aatgcgtctt gcagttgacc ttggccttca ttatgaagat ggagcaggca ttgatggacc 360
 tgaaaatgac aatatgaatc gtacgaataa caaggacggc gaaaaggcga agctacgcat 420
 cgacgaccac gagcgaggtc gccgagaatg ggtgcgtgac tttcgtcggc gattgtggtg 480
 gtgctgctac agttttgatc gtctggtcag ctgctgtgtc ggtcgtccgt tcggcatcag 540
 tgatcaggcc ataagtacag aattcccatc catcctggaa gacaaatata tcactaaatc 600
 tgggataatc aaagccccgg aaggcgctcc cagttataaa cattctgcct ttcattatct 660
 taagctgcgc gtgctgcagt cggagattca ggacgttctg cagcaccagc aggcccgatt 720
 cgcccgacaa cgaggccac ccggcgccag gagctttatg cgccttgatg tcgtgtcacc 780
 cttccttcaa ggctttgact ctttccgatc gtggcggagg gacgttgatc ggcggttgtt 840
 catggcagaa 850

<210> 21284
 <211> 601
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21284

caaggtgagc ggactacgtt ttgcccttcc agtggggttt tgggagtttc gtgtcgtgc 60
 gcaattccaa gggactcttc gcattctacg tcatatacaa ccatttcgag tcgtgctgc 120
 cgcgtagaaa caacatagag gaggacaaat gctaacaatc acggccagat tcgtgccac 180
 cagcaccacc acttccgatc ccaataagat cttgtcagag cagcgtctgc gccgccccgt 240
 ctctccccac cttaccatct accgacccca gatcacttgg tacatgagtg cctccaccg 300
 tgtcaccgga atcatccttt ctggctctct gtacattttc gccactgcat acctcgtgc 360
 tcccttggtt ggatggcacc ttgagtctgc ctcttggcc gcttcttctg ctactctgcc 420
 cttggccgcc aagttcagcc tcaagacctt agctgctctg ccgttcacct accactcctt 480
 caacggcctc cgacacctga tgtgggatac tggccgtggg atcaccaaca agcaggttat 540

ccagaccggc tggaccgtcg ttggtctgag cattcgtagc gctctttacc ttgcttatgt 600
g 601

<210> 21285
<211> 395
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 21285

caaagatggg gtcttctgt aatatcctcg gtgaaaatca cccccgaatt cggttcaaag 60
cctagggaat anacctcttt ccagaagtcg atgagatcga ggagtatacc aggaactata 120
gaccagagca agcgaggtat gttgatctct tggtttatat tcagctcatt ctgcaaacgc 180
gcagtaaccc cgtctcacc ctcncccgca ggcagaactg gtaggtatgc aagatctcta 240
gaattcaaaa aaagcccgtc cattaagcgg gctaattcga gctcgcccg ggatcgatcc 300
tctagagtct gatacggat tttctcctta cgcactctgt cggtatttca caccgcatat 360
ggtgcactct cagtacaatc tgctctgatg cgcta 395

<210> 21286
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21286

caaggccatc agctttgttg acggtaaccg tgctggagag tacatctaca ctcgcggggc 60
cgccaatggt aagcgtgtgc aggccaacct tggggccaag aatcacgctg ccgtgcttcc 120
cgacgcaaac aagaaccaga ccatcaatgc tattgttga gctgctttcg gcgctgcagg 180
tcagcgctgc atggctctga gcacactggg cacagttggg gaaaccaaag agtggctgcc 240
agagatggca gagcgtgcca aggcgctgaa tgtcaatgga ggcttcgaag agggcgctga 300
cctcgggccc gtcactcagtc ctgagagcaa gaagcgtatc gaggatctga tcgctagtgc 360
agaagaggag ggcgccacca tcctcctaga tggaagagg tacaagcctg aaaagtaccc 420
caatggcaat ttcatgtgtc ccaccattat caccggcgtc accccaggga tgaagtgcta 480
caagcaggag attttcggcc ccgtccttgt ctgccttgaa gttgagaccc tagatgacgc 540

gatcgagctc atcaataaga acgaatatgg caacgggtgcc gcgatcttca cccgctccgg 600
ccctacagcc tccagattcc agaaggatat tgaagccggc cagggttgaa tcaacgttcc 660
catccccgtt cctcttccta tgttctcctt cactggtaac aagaagagta ttgccggtgg 720
tggtgccaac actttctatg gcaagcctgg tctccagttc tacaccagc agaagacagt 780
gacgagcttg tggcgcgctg aggatgccgt cagtactaag gctcatgttg tgatgcctac 840
acactcataa 850

<210> 21287
<211> 850
<212> DNA
<213> *Aspergillus nidulans*
<400> 21287

cccgaccaac cgccttatca agattgtcga tatccctacg attgccgcgg cgtcgcacga 60
agcgaaccct aactgtctag tcatcgtgga caacaccatg atgtctccgc tcttgtctag 120
cccgtcga a ctcggcgcgg acgttgtcta cgagagcggc acgaaatacc tgtccggcca 180
ccacgatgtc atggccggag ttattgcagt caacgacccg gccctcggcg agaggctcta 240
ctttccgata aacgcgtccg ggtgcggact gtcgcccttc gactcttggc tgctcatgcg 300
cggagtcaaa actctcaagg tccgcatgga tcagcagcag gccaacgcac agcggatcgc 360
agaattcctg gagtcgcacg gtttcaaggt tcggtatcca ggtctgcgct cgcaccccca 420
gtacgacctg caccactcca tggccccagg agcaggcgcc gtgctttcat ttgagacagg 480
cgatgtctct gtcagtgagc gcattgtcgc gaacgcgaag ctgtgggcta tcagcgtag 540
ctttggctgt gtcaacagct tgatcagtct tccctgccgg atgagccatg ccagtatcga 600
tgcaaagacg cgaaaggagc gtgccatgcc ggaggatctg attagattgt gtgtgggcat 660
tgaagacgta gacgacctta ttgatgactt gaggcgagca gtaagtgttt ctacgcgtaa 720
tcgtgttttc tgggttatgc taatattctc tagctggtag aagctggcgc tgtcaacgtc 780
actctggacg gcattgaagc gaacacgccg cagtctgcgt agtcaagtaa tgaaggaata 840
tggttatgga 850

<210> 21288
<211> 801
<212> DNA

<213> Aspergillus nidulans

<400> 21288

tccaacctat cttggctggc ctggctgacg atgtcgacac gattcgtgag acttcgtatc 60
gcgccggctc catgctggc aagaacttct cgtccaagga aatcgatctt ctgcttcttg 120
aacttgagcg cggacttgcg gatgatagct accgtatcag gttgagttcc gtcgagttgg 180
ttggtgatct gctcttcagt attacaggca tcacggccaa gaccgaggcc gaagaggagg 240
atgaagaagc cgctcaggct ggacagtcac tgctcgaggt tcttgagag gagaggagag 300
acaaggctct gtcgcgctg tttatctgcc gctgcgatac ttccgggtct gtcaagactg 360
cagcaatggg tgtatggaag tcgcttgctg cgtctccaag aacactcaaa gagatggctc 420
ccaccttgct ccagctcatc attcgccgct ttggttcttc caacatggag caaaagggtca 480
ttgcaagcaa tgctcttgga gatctcatca agaaagccgg agagtctgtt ctgccactt 540
tgctgcctac tcttgaagat ggtctccaaa cctccccga tgtggatgct aagcaaggta 600
tctgtatcgc gctcaaggaa atcatcgcat cttctctccc agatgccctc gaggactacg 660
agaagattct catatccatt gtccgtgtgg cattggttga caacgatgat gatgtccgag 720
aagcagccgc tgaggctttc gatgccctgc agcaaattct gggcggaag gcagtggtac 780
ttaagattgg gtctcaccca t 801

<210> 21289

<211> 366

<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 21289

aaataggcag ctttaagagga aggggtaaca aagcaggatc atcnaccaat acctcctccg 60
agacctcgct tcccagcgca tgctctccac cgacgcgata accaacgggc ttgacaccct 120
tcacattttg ccgtcacgca atggtgcggg cgcaatccac cccattactg gtatgcgaaa 180
ggacaaagtg aagcgcgagg tggacacgcg ggctcgaag ggccgaaaaa tgcgctttga 240
tgtccatgag aaattgcaga acttcatggc gcctgaggag aggggtactt ggacgaagag 300
ggcgcgtgag gaattctttg caagtctgct cgggaggagt gcgagtggaa tattacgaga 360
ggacga 366

<210> 21290
 <211> 626
 <212> DNA
 <213> Aspergillus nidulans

<400> 21290

```

cgggcgaatt ggtagctcac cgcgccgggg gcggccctaa aacaagggga cccccggggc   60
ggcaggacac cgtataaaag cccaacggac cccgcgaccc caaagggggg gccattgaaa  120
gaggaatgtg gcgttaaccc cccaacaca aggacaggcg ggcctggggg cacgagaacg  180
cagccaaccc cggaggggacc aagggggccgc gccaaagcacc gggaggggatc agcacacccc  240
cacgcccgag ccggccgaaa ccaacgaggt gaagagacgc aaaccgcca accaccgatc  300
catcaaaggg acaagaaagg ccccaccaca agaaccaagc ccaaaaccga cgaacagccc  360
gagactcagg aaaatacaac ccaggcaccg aaccggaaca agcgacaagg gccccggggc  420
aaaaggggaa cgggcccga acccagaacg aagacgaccc ggagaaaaaa agccccaccc  480
gcaacggaac aaaagggccc caaaaataa gggaaggaaa gcaggaccat acatgacccc  540
cacgcgcccg gagggccccga aaccgaaaaa aaaccagta aacgggaaag ggaacaggcc  600
aagggcaaaa aacagaaaag ccccc                                     626

```

<210> 21291
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21291

```

gccggccacc tctcctctc ctctgctgct gacggcaagg ccaagatctg ggatgtgtat   60
cactcgcgtg aactgctccg cactttctcc ggccactcaa aggccatcac tgacaccgat  120
ttccatatca cgggcaaaac ctctctaaca gcctcctacg accggcaa at gaaactctgg  180
gataccgaaa caggccagtg catctcgcgc ttttcaaccg gcaaaacccc tcatgtcatc  240
cgattcaacc ccaatcccga aaactcccac gagttcctcg ctggtatgtc tgacaagaag  300
atcgtccagt tcgataccg caccggcgag cagggtccagg aatatgacca ccaccttgcg  360
gccatcaaca cactcacctt cgtcgaccaa aaccgcccgt tcatctccac atccgacgat  420
aagtcccttc gcgcctggga atacggtatc cccgtgccaa tcaagttcat tgcagagccg  480

```

tacatgttcg ctctcacgcg cgcagcggcc catcccaacg gcaaatacgt cgcttttcaa 540
tcgggcgata accagattgt cgtttacggc gcgacccgac aagttccgac agaatcgcaa 600
gaagagtttc cgcggccaca ataatgcggg ttatgctatt gatctgacga tctctcctga 660
cggccagttt atcgcgtccg gtgatagtgc cgggtacgtg tgcttttggg attggaaaac 720
gggcaagatg tatkataaga tcatggcagg ggggaaggag ggcggggcca cgacttgttt 780
ggattggcat ccgcaggaga cgagtaaagt tgtcacaggc gggtagacg gggtaattcg 840
gttttgggat 850

<210> 21292
<211> 803
<212> DNA
<213> *Aspergillus nidulans*

<400> 21292
gccgactcgc gcgaggagat tctcacggat tcgggaccga tgcgcctgaa ccgccagtcg 60
atgctgttgc tttcagacgt gcaaaagcag gttcttgagg cgcaggttgc catgcccaca 120
cccaaggctcg ggtacttttag aatctacggc tacgcaactg ggtgggatct tgtcctgctt 180
gtgctaggag ctgtctgtgc agttggcggg ggagcagcgt tgccgctttt tactgtacgt 240
ccctcctttc tttctgcagt tactcaaatg gtccctcggc gtggaggatt gtgctgattg 300
gtgaagggtgt ttttcggaaa catcacgtcc actttccgtg atgtcgcgag ctatgcgatg 360
ccttatgatg agttttacga tacgctgacc aagaatgtct tctactttct gtacttgggt 420
atcggcgaat tcttgaccat cggttttgcg acgtttgcct ttgtgcatac ggggaactcc 480
attaccaga agattcgagt ccgctacctg caggccatcc tgcagcagaa catcgcttc 540
ttcgactccc tgggcgcagg agagatcacg acccggatct cgggcgatat gcacctcatc 600
caagacggaa tctcggagaa agccagcctc gtgctgacgg gtgtcgccag tttcgtgact 660
gcgtttgtga tcgcctttgt caagtactgg aagttggcgc tgatatcgac aagtacgtg 720
ggcgtcttgc tactcatcat gggcattgga tcaaccgtct cggtgatcta cagcaagcgc 780
agtatcgagt gttatggaaa ggg 803

<210> 21293
<211> 499

<212> DNA
<213> Aspergillus nidulans

<400> 21293

acggccatgt ttttaagcag aacaccctag tgtacaacac catgctcgga agggctttca 60
cgcaagctgg tgggacaact acacacaggc gactataggg gcatcgtgtg accgaggaca 120
gctgaacaga gcccagacgt gccctgactc acggctgcct cctcagtgga tcccagagccc 180
aacagggggc acggcaggag acctccacta gaatcaccag aacactacag tatcagtgcg 240
tgcagaatcc gatacgtca tcccaccgag agctggcgca tgcattctgtg cagcgccata 300
gccgaatctc actccaagtc agggagttgt gcatcaagaa ttggagctat ttatagccga 360
gatgcaggca gctaccatat agacgcacga tgaaggacga gtcattgatta cagagtgcga 420
aaggggatgg ctacggccgg ggtatgacca gtgcgcttgg gactcaactc ggaattcgaa 480
tatgatgcag gtgccatgg 499

<210> 21294
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21294

acggtgtagg gccctgcggc ccccgaggct tctatggtac ccaagatgtc cacatgaaga 60
ccgaggcgga tgttgcttcc tatcttggca cagcgtcgtg tatcatctac tcccagcgt 120
tttcgaccat atcaagtgtg attccggcat tctcgaagcg aggtgatatt attggtgcgg 180
acaagggcgt gaatttcgcc attcggaagg gtatacagat ctgcggagt atagtccggt 240
ggtacgagca taatgatatg gaggatcttg agagggttct ggccaagatc accaaggagc 300
aagcgaggaa gcctctcact cgacgattta tcattactga aggcttggtc gattcgtatg 360
gtgacatgag tgacttgctt aagatcgtta gtctcctttt cacttcctta atatttcgga 420
catagctgat tagctgtgaa gattgaactc aagttgaagt acaagttccg actgacctc 480
gacgaatcat ggtcgttttg cgttctggga aggacaggac gtggtatcac tgaacaccag 540
aacgttgacg cggccgagggt tgacatgatt gtgggctcgc tggccggccc attggttgcg 600
ggaggggggtt tctgtgcagg atcggaggag attgttcacc atcagcgtat ctgggccgct 660
gcgtacacgt tttcggctgc actgcctgcg cttctgtcca cgacggctag cgccacaatc 720

aacatcctgc agaacagccc cgagacaatc tcgcacctga gagacctcac aaaggcaatg 780
 tgggcgcagc ttgaccctcg cagcgattgg gttcgatgta caagtgcgcc cgagaacccg 840
 atcctggtcc 850

<210> 21295
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21295

tgcctattat cgatcttgag tcgatgtcga gtatccggga attgctcagg gatagcgcca 60
 atggaacaat ggatatcaac ccgacagcgt acttccagcg gttcgcgttg aacacgagct 120
 taacattgaa ctatggaatc cgaatcgagg gcaatgtgaa cgatgagctt ttgcgcgaaa 180
 ttgtcgatgt cgagcgcggg gtgtcgaact tccggagtac cagcaaccag tggcaggact 240
 atatcccgct cctgagaatc ttcccgaaga tgaaccgcca ggctgaggag ttccgggtgc 300
 ggagagacaa gtatcttacc tatcttttgg atgttctcaa ggatcgcatt gcaaagggaa 360
 ccgacaagcc ctgtattact ggaacatcc tcaaagaccc tgaggctaag ctcaatgatg 420
 gtatgccgtc cggtcctgtc cgcgcttgaa ggaaaataaa gattaacaga gtctagccga 480
 gattaaatcg atctgcttga ccatgggtctc cgccggcctc gatactgttc cgggcaactt 540
 gatcatgggc atcgcgtacc tcgcctccga agacggccaa aggatccaga agcgcgcccc 600
 cgacgagatc atgaaagtct acccggacgg cgatgcatgg gagaaatgcc tgctcgaaga 660
 gaaagtcccc tacgtcacag ctttgggtcaa agaaacgctc cgcttctgga ctgtcattcc 720
 catctgtctg cctagagaaa acaccaagga tattgtctgg aacggagccg ttatcctaag 780
 ggaactgcct tttgcatggt acctcagcac aatccacatg tcatatagac aatactgatt 840
 tattatgaag 850

<210> 21296
 <211> 777
 <212> DNA
 <213> Aspergillus nidulans

<400> 21296

gcagagaccg gagtgggtgag ctataccgtc cagacttcta acgcgacgag tggccccatc 60

cggatctcaa ttctcgatga agaaggaaac gaggtcgcaa cagcgtccgg agccactggg 120
 acagctacca ttccctctgt caacctctgg cagcctggcg ctccctacct atactccttc 180
 actgtcagca tcctctccgc ctcccaacgg ctgatcgaca catacacact gcccatcggg 240
 atccgcactg tggctgtcgg caacggcact atcctgggtca acaatgagcc ggtctacctg 300
 accgggtttg gcaaacacga ggatagtccc atccgcggga aaggccacga catcgcgtac 360
 ctagtccacg acttccagct gctggactgg atcggcgcgga actctttccg caccagccac 420
 tatccttacg cggaagaggt gatggaattt gcagaccgcc agggaattct tgtcattgac 480
 gaaacgcccg ccgtcggact ggcgtacagc attggcgcgg gcatctcaac ggacacaagc 540
 agggtgacct tcgcgcggga cgggatcaac aacaatactc gcgcagccca cgcccaggct 600
 ctccgggaac tcattgcacg ggacaagaac caccacagcg ttatcatgtg gtcgatcgcg 660
 aacgaacccg cgtctgatga gccagggtcg cgagcatact ttgagcccct cagcgggctc 720
 gcccgctccc tcgatccgcg gcaccggccc ataactttcg ccaacctcgg cctctta 777

<210> 21297
 <211> 481
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21297
 gatgctgggc aaaaaatatg ggtagcccag tgatagtatc gcaaggacag gattttgcat 60
 cgtctactct gccaaaagaa ctagacgacc caagatatcc acgcgttcgc ggaggagcgg 120
 atattatggt taaagatagg gaccagcgta ctccattgca tcatgcagca aaggaaggac 180
 accttctctc ggtatcgctt cttctgagcc gcggtgcttt ggtggatatt cctgacataa 240
 atgggcagac cccgctctac ctagcagcca taaatggccg gtcggaagcc gcacagaaac 300
 ttttgagcga gggcgctaata ttcagaacaa ctgatcaagc tgggcgtgca atcagtgtga 360
 agttgaagga ggagttggat cgctccggcg acgacgtcaa ggagaggttg attcaagtgc 420
 agagattatt tgagggttta agccgggtcac ctgagctata tacgaatccg atacatggca 480
 g 481

<210> 21298
 <211> 593

<212> DNA
<213> Aspergillus nidulans

<400> 21298

tctggttaata ccgactccgg agacgaggaa cctgcggagc ttgagcaaga ccagcttgat 60
gcattgtaca aaaaggcgca gtccttcgac tttagcatgc ctgaagccca gcctccctca 120
tcgttcgcca tggatctgcg aaaataccag aaacaagcgc tttattggat gctctcgaag 180
gagaaggata agaaatccgg gagagaggtc tcgatacatc ccctctggga agagtacgat 240
tggccactga aagacgttga tgacaaggac ctgccgatta ttgaagggat aaaccatttt 300
tatgtcaatc cttactctgg agagctcagt cttgacttcc ctgctcaaga acagcattgc 360
ctaggaggta ttctcgcaga tgagatgggc ctggggaaaa ccatcgagat gttaagttta 420
gttcattccc acagaaacct ccctccaaca cagagtcttg gtaatttgac cagacttccc 480
gtgtctggtg tcgttcgggc tccctataca accctagttg ttgcgccaat gtctctactc 540
gcccaatggg agggggaggc cctgaaggcg tccagaaatg ggtcgatgaa ggt 593

<210> 21299
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21299

agctagtttg tctcagtga aacttctttc tctcgatgtc ggctcactgg ttgctggaag 60
caagtaccgc ggcgaattcg aagagagatt gaagggtgtc ctcaaagaga tcgaggagtc 120
caaagaaacg atcgttcttt ttgtcgacga aatccatctt ctcatgggtg caggcgctag 180
cggcgagggt ggaatggatg ctgccaatth gttgaaacct atgcttgctc gcggacagct 240
gcactgtatt ggagcaacga cgcttggtga ataccgaaag tacatcgaga aggatgccgc 300
attcgaacga cgattccagc aagtgtctgt taaggagccc actgtctctg agaccatctc 360
gattcttcgt ggtttaaagg agaaatacga gggccaccac ggaagcgtgc gaattctcga 420
tgccgttatc gtcaccgcag ctacccttgc tgcacgggat ctcacggccc gtcgactgcc 480
tgattcggcg gtcgatctca ttgatgaggc tgctgctgcc gtcagggtag cccgcgaatc 540
cgaaccggag gctcttgata accttgagcg taagcatcga cagctccaga tcgagattca 600
tgctctcaag cgtgaaaaag atgaggcttc caaagcccg cttcaggctg ccgagcagga 660

agcggccaat gttattgaag agctgcggcc tatgcgtcag aagtacgaaa gtgaaaagca 720
acgtaacaag gccatccagg atgccaagac taaattggac aacctgaaga acaagcaaga 780
ggaagccgag cgatccggtg acaccgaaac cgcagcagat ctgaaatatt acgctattcc 840
tgagacccag 850

<210> 21300
<211> 532
<212> DNA
<213> Aspergillus nidulans

<400> 21300

atgtcccttc tcaaggctat atcaagattg ctgactcctc ctgaagatta tattgtacca 60
acctcccaga caagcttcga aaatatgacc tccgactcgc cttttataca cttttttcca 120
catatggcac cgttctcgac attgtggcca tgaaaaccga aaagatgcgc ggccaagccc 180
acgttgtttt caaagatata caagcaagta cacaggcaat gcgtgcactt caaggattcg 240
agtttttttg gaagccaatg gtaggttcac tccaagcggt gactggtggt gactgacgta 300
ctggaagaaa attgtctacg ctaagggcag ttcagacggt attgccaggc ttcgcggaac 360
ttatgtcgtc cctgcaacag ctcttggtca acttccgact gtgtcaacgg atcttcaaaa 420
atcgattttt agcggacccc ctgggcaacc gctttgcctc caaagccttc tggtagagccc 480
aacgggactg ctcaaggagt gaagcgccac caagatgaga gtgatgaagg cg 532

<210> 21301
<211> 494
<212> DNA
<213> Aspergillus nidulans

<400> 21301

ggctcgagaa gcttgttgtc gaattcatat gaaggaattc atattccgac aaaagaagat 60
tggacaagtt taaaagagca cgtgcagaag aatggcttat acaactcata tcgtgttgcc 120
attggtccaa cacaatcaat cagttacggt caaaatgcaa cttcaagcgt aatgccgatc 180
gtaagttaaa tcgaatcaag aacatatgcg aatgcgacaa catattatcc aatgccgtat 240
ttatgaaaag atacgttctg gtactataaa tttttttacg aatgaatta ggttcaattt 300
aattgattta atcgagaaa ttcaagaaca tattggccca ggaattagta caatttttta 360

cgcttatagg ggaaatttta acaocgggaa ttaccacggt acttacattt ttgccataaa 420
aaaggcttta agaggctctgt ttataaccag aacacgttta ataaagcggg gaaaaatgtg 480
tggattgggc ccgt 494

<210> 21302
<211> 451
<212> DNA
<213> *Aspergillus nidulans*

<400> 21302

aacaccatca gcaccgaagg ctgtatgggtg tgcgaggcac cggcatatct ggcaactggcg 60
tcgatcaggc cgcgactgag ctcccttgcc atgatgggtga tgtgcggcgg gttgactctg 120
atcacggacg cggactccaa ttctgtatgggt atgagggcca tcccaagggt cttggggctg 180
tcggagacta gcagctgagc gggaacacac gacattctgg ggttctggcg tacggtgatg 240
gagctgtgggt agcgtaacga catgatgacc gtgactgtcc tagcaggcgt gaggcaaacg 300
actagctctg agccgattgg gaaagagtat gagctggacc cccgctctgg ggacaatgga 360
cgcaggggtat atctcgacgg agatccaacc aactatggcc tgattgcggg ggctcgaccg 420
atggccacgg atagtgaatg attggcttca t 451

<210> 21303
<211> 778
<212> DNA
<213> *Aspergillus nidulans*

<400> 21303

atgcgattca cagctctgct tatcggctct ctggcatacc tgggtgtcctc cgtcaccgca 60
acagccctca cctaccgact tgaggcgaac gagaaagctt gcttctacaa gttcgtcgag 120
caacggaaca ccaaagtcgc attttacttt gctgtgagat aaaaagccc attttactag 180
actatacaaa cactgactct tcggctctgc taggttcaat cagggtggctc cttcgatgtc 240
gactatgctg ttgtcggacc cggcgagaag cctgtcctag acggcaccaa agaacgccag 300
ggcgactttg tctttacggc ccagagtgtc ggcgagtacc ggttctgttt caacaacgag 360
atgtccacat ttgccgaaaa gatggctgat tttgagattg cggttcgtcc tcaaccacag 420
ccacatctc actttcccct tcacttgggg cccgatctgg actagactga ctctatctgc 480

gtttttgttg cagcttgaaa acgaatcccg caccgagctc ccatcccgtc agggcgcgaa 540
 ccctgaacaa gcctccgcga tcgaagagtc gattttcaag ctttccgcgc aactgtccac 600
 catctcccggt aaccagaagt acttccgaac acgcgagaaac cgcaacttca gtaccgtgcg 660
 gtcgacggaa cgccgaatct ggaacttcag catcattgaa agcctcatga tggtttccat 720
 ggccggactg caggttttca ttgttaggtt cttcttccaa ggggccagga agggtatg 778

<210> 21304
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21304

cgaaccggcc tacatccgcg agacgaaagc cctaggctcc tactggaact tgcccgacac 60
 atcgaacgat aaggccgcca caatcgaaga ccacctcgat tttctcattg agttctacga 120
 aggccaggtc gaggaccgta ggtggtacgg gttcctcgat tacggcgact acatgcacac 180
 gtacgatgag gacagacaca tctggcggtg cgacgttggc ggctacgcgt gggataactc 240
 cgagctctcg ccggacctgt tcctctggca gcagttcctg cgcaccggac gcgcggacgt 300
 ctatcgtctc gctgaggcac tgaccgggca caccggcgaa gtcgacgtct accacattgg 360
 cgactggaag ggtcttggga cgcgccacgg cgtgcagcac tacgcgcgaca gcgccaaaca 420
 ggtccgcctc acccagcccc agtatagaaa atacttcttc tacttgtctg gtggagacga 480
 gcgtgtcggc gagatcctag aggaagcact tgacaccgac aagacatacg aggtcctcga 540
 tccgaaccgc aaggtccgca cggacggttg gacgccacg ccgggacagt cagccaccat 600
 ctccctcggt accgactggg ctggactcgc tggcggctgg ctcatcgagt gggagcgctg 660
 cggccccgcg tggcaagagg cacggtacaa actcacgcag acgtcacggg gcattgcaaa 720
 cctgaccaac ggctttgtga ccggctcggg actctactca gccacaagtg ggagcctcaa 780
 tgcgcctccc gcagacccaa ataacaaagg cttgtctcc gtctcacacc tcaacgcctg 840
 catcggccta 850

<210> 21305
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 21305

ttgtctctgt ccagcatttc tcttctgggt cccatgacat gtcagtcttg ctgccgatcc 60
aagccgtgat ccgcagatcg tcattctgtc gcttctattc gacttccatc cacctgcctc 120
ttcaagatca gtttaaacca ccagcaccct tgtcgagctc tctcgggtct ctteccaacc 180
atgatcccat attctcacga acatctccaa gaccggccgt ttccagcctc tgccagacgc 240
gaaagcactg cgaccgtttc ttccaccccc tcgaccgcga cctcgtcccg ctcgccgctc 300
tccggtcccc tctgcttctg ctctgaaccg cccttctcgc cctctctaag cccgtctttg 360
tttccttcgc catcgacctc agcgtctgtg tcgctcgcat cccggccgcg agagggctcc 420
ctcaatgacg aggtcgcacg attaccgctc aacccgcggg tgacgggtga tgtccacctc 480
aacccgagag caatgtggcg 500

<210> 21306

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 21306

aatcgtaagc gacgaatccc agtactgccc agtaggtcct ctgctcgacc ccaaacacgc 60
ctacattgtc aacgagcagg gcgagaaggt agaggagga gtttctggtg aactctgcgt 120
tggcggggccc atgcttgcaa gagggatat caaccgccc gagacgaccg ccaaggcatt 180
tattcccgat ccgttttcaa attctccagg agctgtcatg taccgcactg aagaccgggc 240
gcgtatgttg ccgtcgggtc ttcttgagat cactggctgc gttggtgcaa tgatcaagct 300
gcgcggatat tccgtagtcc cgggcaaggt cgagaatgat attgtcaagc acctcgcggt 360
ccgacagtgt gccgtcgttg cacacgggga gggcttgaa aggcagctgg tggcatacat 420
tgttgccgac caggaacact ctgaggagcg tccaaccgtg gagattaact cctccggcca 480
cagcccaggt gcccgaagag ccctgaccaa attcctcgt cactatatga ttcccgccct 540
atgggtgcag gttgatgaac tgcctacca cgagggtgcc ggaaagattg atctcaaacg 600
ccttctccg ccccgaccg aagtcctcgc caacgggaac ggaaagaagg aagatcccat 660
cggcattgag gacattgcag caatctgggc ggtcgcgctc aagggttcca aagcgacgct 720
taagcctgaa gacaacttct ttgatctcgg tggtcactcg ctttcgattg cggacctctc 780

ttctagctgt cgcggaatt cggtttccgc atccccatcg tacgcctggc agaaaattca 840
acgctgagcg 850

<210> 21307
<211> 460
<212> DNA
<213> Aspergillus nidulans

<400> 21307

cgaaccgact taacgctagt accggtgctg atccatgcat gacgcctggc cgctgttctc 60
tactgacctg taagtatagg cattcgcatc aaggccaagt ccggcgagac cggtgagatc 120
aagggcgtca cctactctgg tatcagcctc gagtccatat ccgagtaggc tccccctcca 180
gccagttct gaatccagct ctaacctcgt ccagttatgg tatcctcatt gaacaaaact 240
atgacggcgg tgatctcgac ggcgaggtga cctcgggcat cccattacc gacctacca 300
ttgagaacat ctccggtcc gcgccgttga ctcagatgga tacaacattg tcatcgtctg 360
cggtgacgac gcctgctcca actggacctg gtccgacgtc gaggttaccg gtggtgagga 420
ttacggcagc tgtgagaacg tccccagtgt tgcattctgc 460

<210> 21308
<211> 443
<212> DNA
<213> Aspergillus nidulans

<400> 21308

gacgccttcg ccgtcattgt tttgctctga atctggctat tctgatatc gactttggca 60
ccttgcatct ctatattatt gactgtatgt ttcattctcc tgctctgctt gtcttgcgct 120
aatcagaaat gacattaggg ggcgtgagcg ataactcctg gggaaaccaa tgggtccaag 180
accacgccgc aatctgcgat actctcgaca agccgtgcct gtttgaggaa tacggaatca 240
agaataacca ttgtaccaac gatattggact ggcaggatac ttctttggcc gcaactggga 300
tggcaggtga tttgttctgg cagtttggcg acgatcttag cggaggccaa acagctgatg 360
accagtacac tgtatactat ggcaccgatg actggacttg tttggtgaca gaccatgttg 420
ccgagatcaa cggagcctag att 443

<210> 21309
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21309

```

agatctaaac accaactgca ggcctcggga gggggctcgt gcaggcattt ctccttcgcc 60
ccaacagcat cgtcatcgcc ggtctccgca atcgcacttc gcaggcgggg gccttggaatg 120
cgctcccaag aggcgagaac tcctcgctga tcgcagtcca actggacagt ggatcgaagt 180
ccgatcccg cgcgcgggtc agcattctcc agcgcgatta cggcattacg catctcgatg 240
tagtgatcgc gaacgcagct attgcggcca actacgggtcc agcctcgacc atgcctctcg 300
agtatctgga gactcacatg cagattaacg catacgcggc cctgctactg ttccaggcga 360
ctaggggtcct tctccaggcc gccaaatcgc cgcagttcat ctgcgtcggg gccccgatta 420
gcacgattac cgagatggag agctgtgctc gggcaccgct cacaattat gcactttcaa 480
agctggccgc ctgctatctg gtgcgcaaga tccactttga gaataagtgg cttgttgctg 540
acattgtcga ccctgggtga gaatgcccgg attcgattat gactgtctga agcgcacttc 600
atcttggtcg acgagatcgg gccggtagac acatccagtc agatatgggc gccagggtg 660
ccagggtgtt cgggcgcaaa gaggcccca cgacgataga ggaaagcgtg gctgggtatct 720
gtgccagggt atgtttccgt ttcgctaatt ctgcatgaa ctaatcctgt gaggacagat 780
gaccgaggcc gacaagaata caacgtctgg gcgctttatt ctattttcgg acggctcaga 840
cgtgccctgg                                     850

```

<210> 21310
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21310

```

gcagtgcttg accaaagacc cggaacgcag gccagcgcga aaggaacttc taaggcacia 60
gttcatccgc aacgctggga agacggaggc tctgcaggag cttattcacc ggaagcagga 120
ctgggacagt ggacgtggtg tttcaaggaa tgtgaaatac tatgcggaat ctttgtatgt 180
gtctttcata tggtgcaaag cctgcgagct aactcattca ggaatacaat tacacatttc 240
acagacgatg acggctgggt gttgacacag tcaaagcacc taccatgggt tccgagagga 300

```

ctctgatgtc tcagacagcg gatccatcat tcatgaccct ccatatgatg agtctgcgga 360
gatggtggaa aatcttcgca tctctagccc accaaccag aagtacgcaa acggtactgc 420
cgtcgccgt attccagcac ccgaccgcag cccgtctctg cggcgaccga agcgacggtc 480
cagcgggtgtt aagcaaccac taggagtgga cttgacattt ggcaatagcc cttccacggc 540
ccgtcaattc cgtcgcgtgt ctgataaatc gccaaagcgag gatccattct cctcatacca 600
gcttaccgga gacgaaaatg cgagtcctaa gtctatatac tcagaaacca acagcaaaga 660
agctcaactg ggacgtcgag catacagcaa ggctgtaggt cacgcttgcc aggaggttct 720
gggaactact ggagaccaag agaagcggga agcgatttct cgtcttgctg aggcttgag 780
tgacctagaa atggtggatc cagaaggcct ataccacatc ctccgagcca ctaatgagaa 840
actgctaagg 850

<210> 21311
<211> 502
<212> DNA
<213> Aspergillus nidulans

<400> 21311
gaaggagtca cggaaagaac caggagcgag gcaccacgat ggaaagagca ggctccaccc 60
accggctaca aaccgggaga ggcccccgca ggagcgaggc acgccggggg agaagcagcg 120
cgcgaacccc cagcaaggag ccggcgacaa caccgaaaaa accaccgagc agccacacag 180
cgcacacccc aggagccgcc caccaaagga cgaccacggy ggagggggcaa ccgcaacccc 240
cccaagaagc gcacaccgac acacccaaac ccaccgaccc aggcgcaaga aaccgcaaag 300
ggaacacaag ggccggagca cccaacgacg cgccgacaga gaccccaacg aaaacacaaa 360
aagaacacca cggcgggggc cccccgaggg gcaggaaccc caacacacac acagcccaaa 420
agcgacaacc ccaaacccca cccaaggggg acccaggggc agaacaaggc caccagacag 480
ccaagaggca accccaacc gg 502

<210> 21312
<211> 588
<212> DNA
<213> Aspergillus nidulans

<400> 21312

gtgggtattg tgatgatgag aaccaatagc aggggcagcg tcattagcac aagcgaagat 60
gctcttatta taagacaaag aggccggaga aaggagcagg agcggtggtt ccgatgacgc 120
tgatgaacat gcacgcgata aaattaggctc cggtcggagc tccttggaag gcaaatttga 180
agatctcaac atccccgaag aggctatatt accatctatc gaagacgatt taagccccag 240
gaactcgctt tcacctctcg ccctggcctc aaggtctgcg ctgttaacct ctgacaccaa 300
gccaccatgc tctcgggtata tcacgaaaat tcacaaacgg gcagacagta ctgcaagtct 360
tgaatccctt aagcgaggac agataactcc ccccgctgctc tttcccagtc agtctcagaa 420
tcccagcgag gcgtaccgga gtactcccc gatcgtgttc gacggcccg ccgactcggg 480
gccataccaa tcaagtctca ctcccatccc agattctgac gccacgcctc ggcccatgca 540
tacaccttgc cccaaccctg atacagagaa aactcctcga ccagggag 588

<210> 21313
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21313

atcgatgtcc actttgtgcg caaggcagtc cgggcgattg ggaaactggc catcaagatc 60
gagtcgctg ccaaacagtg tatcgattgt ctctggactc tggtaaacgc caagattccg 120
tatatcgtgc aagaggcaac cgctgcctac cgtaatatct tccgcaaata cccaaccag 180
tacgaaagca tcacggcca agtcaccaa aacatcgatg acctggacga accagaagcc 240
aaggcggccg taatctggat cattggccag tacgcagacc gcatcgagaa ctgagccgac 300
ctcttgcaag actatctcgc tacattccac gacgagacaa ttgaagtgca actctccctt 360
cttacagcaa ctgtcaagct ctcatccag cgccaacga aggccagca actcgttccg 420
caagtcctaa aatggtgtac agaggaaaca gatgatccgg atctccgtga cagaggatac 480
atgtactggc gtcttctttc atctgacca acaaccgccc gtcaagtcgt catgggccag 540
aaaccacca tctcgtctgt gagcgagaaa ctcgacaacc gcaccctcga ggaactctgc 600
ctcaacgtcg gaaccctcgc aacgggtctat ctaaagcctg tacaacaagt tttcaggtcc 660
gcgcgtaacc gtcgtctcca gtacagtcgg gctcttcaaa aacgggttga agaatacggc 720
tcaaactcct ggcaatttcc ggcaccacct ctaagcctaa accccgttac ttcgtccact 780

gcggaaccg caacgtcagc gaacggatcc gcttatacgc caactgggta cacgagcgt 840
gtcttagtgc 850

<210> 21314
<211> 503
<212> DNA
<213> Aspergillus nidulans

<400> 21314

atcaatcaga cggttaaccga ggcgcgcgata actgtatcgg actcatgtat gatggactct 60
gtctacactc agccgaaccg ccgaaggccg ttctatcaaa ggccgcagca gtcgaagcgg 120
cggcatatga cgcctacgga ccagaaacga aagaacccta ccgtacgaag atccgcagtc 180
tattccagaa tctcaagaac aagtccaacc caacgcttcg agttcgtggt ttaagcaacg 240
aggtcacccc tgaacgattc gtgaaaatga cacatgagga gctccgatcc gacgaacagc 300
gcgagaaaga tcgaaagatt caaaaggaga acatggataa ggccatggtg gccaggcag 360
agcgcagcat tagtacaagc ttgcaatgcg gcaaatgcgg acagcgaag gtcacctata 420
ctgaagcgca gacccgcagt gccgacgaac cgatgacgct gttttgcaca tgcattgcatt 480
gcggaaaatc atggcgccag taa 503

<210> 21315
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21315

ctcatccgct acctctgtgt ctgacatgga agatgagcgt gaagaaaccc ctgacctctt 60
ccgccactct accctgggta tgttggaacc tcgccacgaa gaggaacaa gttcggagga 120
gtcagaagaa gaagacgatg aaatgtatga tgatgaatac ccagacgaaa tggactacga 180
agaagagatg gcggaagacg acggggaagt gatcagcgat gaagaagatg agattgaagg 240
cgttggccct attgaaggcc ttcctggcga taacggaatg gacattgagg ttgttatcga 300
tgatgaggat gacgatgaag acgacgaaga tgatgaagac gaagacgacg acgaagacga 360
ggatgacgat cactccgaaa tggacgacga tgaaatcctc gcgggcgaga tcaactggtga 420
cagagataat gaaagccttg atgaggggtga tgaggacgaa tgggaaagcg aagagatgtc 480

agaagacgat gatgaagccg acattatgaa ccagctcgag gacgaactag cggatatcag 540
acacacggat cagcggcatg acgggggacg ccttgaagac attttccgtg cgttgaatga 600
ggccgctggg ggcgttgaag acctccaggc ggatagcttg ggagatttgc atgatgacat 660
tgccgatgac gagctgaacg aagatgatgg ttcgtatata ctcttcgccg cagtttactc 720
cactgctaac atacgtaaca gaagacgaag aaattgatga gctagaggaa gagcttgatg 780
aagcagatga agaccaaggt tcttaccatg gatttgacga cgatgaagac tcattgatca 840
ttggggatgg 850

<210> 21316
<211> 528
<212> DNA
<213> Aspergillus nidulans

<400> 21316
tcgaaacggg aacaagaagg tcttatccga ccttagtgtg aacagcgtgc gtgtgagcat 60
tcggataaaa caggcagatg aaattgagca tagtaagctt gataccgttg caatgtggcc 120
ttaacagagt tacgggctat acgctaacat gaatcaagtc cttgtccaca agtttgaacg 180
tttcttgacc caacgcgcgg aatctttctt tatcttgcca agaaagcctg tgaaggtacg 240
aagacataag gacatgaact cgtccagcca caccgcatag cggctgacaa atgagcaggg 300
ctacgacata tctttcctca ttacgaactt ccacacagaa gccatgctta agcacaaatt 360
ggctgacttc attctccagt tcatggagga ggtggataaa gaaatctctg aaatgaagct 420
tttcgtatgt tattttttaa tcttgcccct ctggctgaag tccatgctga cactcccaag 480
ctgaatgctc gcgctcgatt tgctgctgag tccttctga caccggta 528

<210> 21317
<211> 755
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 21317
gaacaccaag agccgacacc cccaaccacc acgaaaacaa caccaaaacc aaacacaacg 60
gcaacagaca acgcacaccc ccncaagag cgcagcacgg ggaattcaag cacaaccgcc 120

cggcggccaa acaacaaaa agacacgaag accagagcaa cggtaaaaa accaccagaa 180
 acggccagca accgggagga acagccagag caaccgccac cacagcccga cagaaaacgc 240
 aacggaccgg caaacagcac aaaaaacgca acgccaagaa acgaccagag caacgccgga 300
 ggccccacga ccacaacgcc caacaagcac acggcggaca agaagcccac ccgggacgca 360
 ggaggaaaca caaagcgcac ccgccgaac cgcaccggac gaggccgcca gaacacccca 420
 cacaaaagcc accaccaca caaccaaga caccaccaa gacacgaaa gcgaccacc 480
 cacacacaac acccagacc caacacacac accacaaaa aaacaaaaaa acgggggggg 540
 gggggggggg gccaccccc acaggggggg gggggggggg ggaaaaacaa cacaaaacac 600
 aaaaaccaac aacaccccca cccaacacc aacacaccac accccccaa accaaccacc 660
 aaaaaccca accaaccacc agacaaacc cacacaaacg ccacaacaac aaacaaaacc 720
 caccaacaaa caccacccg caaccacac cacc 755

<210> 21318
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21318

ctctccggag catctggcca ccagcgcatt cagttaatg ttcccatga tcacggcgtg 60
 gatgatcgcg ctgggaggga cgacagcgt ggatacactg gccagctcgt cctttaccgg 120
 gtccgacaaa cggaatctgg ggatcctgct gcagaggggg ttcttcgttc tgggattgtt 180
 ctacctccc gtggcgggtc tctggatctt ctccgagaag gtgtttctgc ttctaggaca 240
 ggatgcggat ctctccaagg atagcgcgca gttcttgact gccctgattc ccggggggct 300
 gggatatgtc tatttcgagc tgatgaagaa atatctacag gcgcagggtg actccagcca 360
 ctttctttta tcgaagttgt cgaagacttg ctgaccagta tcaggaataa tgccggcctgg 420
 cacctatgtc ctctactca catccccgt taatgccgcc cttacctata cttctgcta 480
 caagctcggc ctgcacctcc tgggggcccc gctcgccctt gggatctcat actggctttc 540
 ctttgcgctg ctctactct acgcgatact cgtccgggc tctgaatgct ggggcggctg 600
 gagcagagaa gcactacca acttgggcac cttctccgc ctggcgatcc taggcgtcgt 660
 ccacgtcggc acggaatggt gggcctttga gatcgtcgcg ctgcgcccg gaagattggg 720

aactatcccg ctcgctgcac agagcgtcat catgaccgcg gaccaggtcc tcaacacgat 780
 cccattcggc gtcggcggtg cgacatcggc taggggtggc aatctgctcg gcgccaaga 840
 cgcaaagggc 850

<210> 21319
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21319

gggatttctg gctggcggtg gcttttcac atcgagggat ccatcacctg ggccttgctg 60
 ctgctcatcc cgtatgtcgg ccctctaccg tgtctcccaa acgctggact gacagtacag 120
 aatcctcctc cccaactatc ccgccacaac gtcctggctc gatgatgagg aaaaagccta 180
 tgcgcagtg cgtctgatca acgacgcggg cgaggcggac gatacgggcg cttcgaccat 240
 caaggaagcc ctgatcgccg tgctcgtga caagcgtatc tacctattca tcctgctcca 300
 acacgcctcc ctctctcgc agaccttcca atacttcttc cccacgatcg tccagaccct 360
 gaactacagc aacatcgtga cgctgctgat tacggcgccc gtctggatcg ctactttcct 420
 tgtttcgcta gttgtgacct ggacaagcgg caagaccaac gaccgcagta tccacatcat 480
 ctgtcttatg gctgtcagca tcatcgggtg tatcatctgc acagcaacga ccaacctcgg 540
 cgcccgggtc ttcggcatgt tcctgatgcc catgggcgca gtgtccgcgt accagatcat 600
 catcgctgg gtcgcgaatt cgttcccccg tccctgggtc aagcgtcgg cggtattgct 660
 gacggcgaac atgatcggga acacagcgag tatttatggg agctatatgt ggccgtcttc 720
 gtcagggccca agatatatac ccggtgggag tgcaactgct agtgtggcgc tcttggtggc 780
 gcttatggcg tttgtgatta gggttgtgca tgtgaggatg aacaagggtc tggaagaaaa 840
 ggagaacgag 850

<210> 21320
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21320

accctgctga gacgcgttat cttttcctgg gcgactatgt cgatcgaggc tacttcagta 60

ttgaggtgag ttcctgcct ctaatcactc ggctgtctg accttttcag tgtgtcctgt 120
 acctatgggc actgaagatc tggatatccga atacactctg gttgcttcgc ggcaaccacg 180
 aatgtcgaca cttgacagat tatttttactt tcaagttgga atgtaagcat aaatatagcg 240
 agcgcatcta tgaagcctgc attgagtcgt tttgcgcgct gccgctggcg gcggttatga 300
 ataagcagtt cctctgtatt cacggtgggt tgagccctga actgcacact ttagaagaca 360
 tcaaatecgt atgttacgcg atgctgaata cttcaacagg gtcaggctaa cctgcctaga 420
 tcgacgatt cagagaaccc ccaactcacg ggctcatgtg cgatatcctc tgggccgac 480
 ctttgaggga cttcgggtcaa gagaagactg gcgactactt tattcataat agcgttcgag 540
 ggtgctccta ctttttctca taccctgccg cgtgtgcttt cctcgagaag aacaacttgc 600
 tctcagtcac tcgagctcac gaggtcagg acgggtatac cgcaggtacg tacgacgtgt 660
 aagccagggt atcgtggaat agagttcctt atcctctcac tcaacttctt agaattggtc 720
 cccttctcct cctctaactt ttgtgccaca cttagcaatt ccgggattgt tccagccaca 780
 ctccaccatg tgacgtgctt taaggctggg ttgctctcgc ggtatagccg gaaatgagta 840
 tcgtcctttc 850

<210> 21321
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21321

attggctgat attatgagaa acgataggca tatcgggcct ttgtgggtgg cgggtccacaa 60
 taccaatata aattacgttc gattcgctgt cgagcggtta gacgacaagg caaagagtgg 120
 tgcaaagatt cggctgaata aattggcacc tggcatacgc cttgaacagg atgctgtcaa 180
 ccagcggcta ccaccaccga ctatgaaaat tgatattcgc gttgactgcg actatagtga 240
 tgtgcccaag cttgctaagt acctccctga tttcacgcta gcgtctggcg tgagcgcacc 300
 gaaaattggt acagctattg caagcaatgg tgttcgctat aagcagctcg taagattcat 360
 attcgcgttg ttcggccgtg gctaacagta tcatagttca aaggaggcaa tgatgacctg 420
 cggcaggacg ccattatgga gcaagtattt gagcaagtta gcagtctcct caaagaccat 480
 caagcgactc ggcagcgcaa tctcgggtatc agagcctaca aggttcttcc tctgacctct 540

aatgcgggca ttattgaatt tgttccgaat accataccgc tcaatgactt cttgatgcct 600
gcgcatcaaa gatactaccc ccgagacatg aagcccagcg cctgccgcaa acatattgcc 660
gatgtacaga cacggtcctt tgagcaacga gtccggacat accgccaggt aatcgaaaaa 720
ttccaccctg ttatgcgcta cttcttcacg gagaagttca acaaccaga cgactggttt 780
ggccgacggc tatcatacac ccagagcact gcggcaatct cgattctggg gcatgtgctt 840
ggcctgggag 850

<210> 21322
<211> 800
<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
<400> 21322

tccactgcc aatgaccac tctccactcc ttctaccccc tgggcgtcga aatcccccat 60
tacattgcc atgaactcag tactcctact ctgctcgcca tatttggaac ggctgtaca 120
atagtgttct ctgtgactac ctctctcgcc aaaaaagcca actcgcagat ctcaaattct 180
gagctctaca agactctctg gtttgccctg tntaggttcc tcacagctaa gcagaagcgc 240
aaccctaata gagaaaaaaa caggcggctc tattcatctt gtcctagaag gctactacgc 300
cctcaacttc ctactctcg cctcgtccag ccaccgctc gtcagctct ggaaggaata 360
cgccctgtcg gactctcgct atctcaccac gaactctntc gtgatgtgca tggaagtcca 420
tcaccgcatt gttctggggc cctctttctt tctcctagc tggatttata gcgaccaacc 480
atccgtantg gcatccgctg cagattatca tctcgtagg ccagctctac ggcgacgtgc 540
tatactacgg gacttgtgcg tttgagttcc tagtcaacgg attggagttt tcccgaaccgg 600
agaggtacta cttctgggga tatttcacgc ttctaaatat gttttggatt gatatcccg 660
ttggtgagtt gctggctccg ctcttttggg gagacaaatc ctgatgctgg atagttctca 720
ttgtggacag tgtaaaggcg tgtaagaatg cttttgccga gatcaaaagg atcaagacag 780
gaggaataaa tgggcgcctg 800

<210> 21323
<211> 721
<212> DNA
<213> Aspergillus nidulans

<400> 21323

tgccggcgcg ggcgtagcag ttggctacat cggagaacca gcaaagacag ctaaaagttt 60
cttccacctt cctgagctgt ctcgaaatta ctgcgagagg gcgaaatcat tatcgcgcat 120
gtaccggacg ggtgacctga tgcgcaggga tgagcttggg gtccattact acattggacg 180
cagagataac caagtaaaaa ttggcgggcg acggattgag cttgagacaa tagaatcaat 240
cctccaagag acgcggcttg ttagtgccac atcagttatt gaaattacgc ctcatgaagt 300
cagaaggagt gccctcttgg ttgcgttctg tgtcctgaca ttgcctgaag tcactactgc 360
agctataaca gatgcctatg ctaagcatga acctttcttg cctgtgccct gtctagagct 420
cacagagatg ttgccattga aggccaatgg caaggctgac cgcgacaagc ttgagcgcca 480
atatataggg aggatcaagt cttctcttac gcagatcaat ccagctaatt cacaatctgg 540
cagcattgag gatgagctaa aatatctatg gcttgacgtc cttggcctgc ctgattgaga 600
cttgcacctg acagatgatt ttattgctat aggaggaaat ttaataatgg tggcgaccct 660
aattgccaga atcaagtata cttttggtat ctccctgcgc gcctcaatgc tctacaagaa 720
g 721

<210> 21324

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 21324

ctgttcttgt cgacgttctg cttgccgcga tgcttttcag cttcaatcag accttccagg 60
accgctctct gcctgttatt tacaacgaag gccatgggcg tgagccctgg gatacgtcga 120
ttgacatctc ccggactgtt ggctgggttca cgactctcta ccccatcata attgagcaga 180
caacagatgc tatagatgca gttatcaggg tcaaggatcg ccgtcgacag gtttctgaca 240
atgggcgctc ggccctttgcg cgcggggtcc ttccacagct gggggctagc tatgtccacg 300
actgcccatt ggaagtcaac tttaactatc tcggccaaca cagagatctc cagcgtactg 360
atgggctctt ccagctggct cagaaaatgg ctggtgagac tcgagagggc ggcggtcag 420
ctgactttgg ccgcgagact cctcgttctt ccctctttga ggtctccgca gttgtttag 480
ggggtcaact acgatttgtc ttctctttca gcgcggcaat gaatcaccag gaacgcgttc 540

agaagtgggt ggagtcttgt aaggagactc tacaattcct cgcgggcccag ctacctgaat 600
 tgaaacctcg accaacccta agtgatatcc ccttaatggg attgacctac caagagctcg 660
 ctttactgga gacacagacg ctacgtcgtt acggagtgcg ctcgtttgag caggtcgaag 720
 atatataccc ttgctccaaa atgcagcagg gtgtgcttct cagccaagcc cgagacaaaa 780
 tgctttatac cgtctcggga tcttgggagg tcgagccagc tcttggggcg caagaagatt 840
 ccgcgtagac 850

<210> 21325
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21325

gacattgtca ggtaggtgtt atcccagaac gcaagtggac agtacttacg cgttcagatt 60
 ccactgtgtt tactggccag cgttttctcat ggctctggat cttccccctcc ctcggaatgt 120
 ccttgttcac gctcattgga cgatgaaccg tgagaaaatg tcaaagtcga ccggaaacgt 180
 ggtcaaacc tttcttcgca attgaccgat tcggaatgga cacaatgcgc ttcttcctag 240
 ctcaccgtgg cggccttgca tccgactctg actacgacaa cagatacatc atccgcgatt 300
 ataagaaata cctccaacag ggacttggca acattgcccc ccgcacaatt ggttgtgoga 360
 aaggaaaatt gcgggactat atcatcaatg ctacatctgg caattcccc gcaaccgctg 420
 acgatcaggc ataccagaag actctggagc agctctccca caaggtagca aagtgtatgg 480
 aggcacttga cccacgtgcg gcactagagg agatcgtgga agtaatcctt ctggtaaaat 540
 ccctcaccga gtcgtagaag ctcagtctac tgacgccctt cttagacaaa caagtatttt 600
 cacaactcgg agccatggca gaatccggag gagaagcaac gcgtgatttt caatgctgcg 660
 gagtcaatgc gtatcatggg catcttactg cagcctttca tgccgaacaa agccaaaaag 720
 ctcttgaca tattgaaggt cgatccttca aagcgggatc tctctgatgc tggctatgca 780
 cgagactcga cctacggcga ggatgttaag aaaaaaatcc tcttccctcc ccttgcctc 840
 gagaactaag 850

<210> 21326
 <211> 850

<212> DNA
 <213> Aspergillus nidulans
 <400> 21326

```

gttttcatca aacgtcttga ggatgcatta gcagaaaatg atcctattct ggccactatc 60
ctcgacatca aaacaaacca ctcggccatg tccgactcaa tgacacggcc gtttaagcct 120
gcgcagattg acaacatgtc ggctttattg agtacagccg gaatcagccc gcttgacctt 180
agctatatcg aaatgcacgg taccgggacg cagggtgggtg acgccgtcga aatggagtcg 240
gttctgagtc tctttgctcc ggacgagaca tttcgacccc gagataaacc gttgtacgtg 300
ggatctgcc aagcgaacat tggccatgga gaaggagttt ccggcgctcac cagtctcatc 360
aaggctctac tgatgatgaa aaacgacacc attcctcctc actgtggcat taaaccggga 420
agccgaatca accggaacta tccagacctt ccagctcgca atgtgcatat tgcttttgag 480
ccaaaaccgt ggccctggac agatacacct cgacgtgtgc tcatcaacaa ctttagtgcc 540
gctggaggga acaccgtgt cctggttgag gacgctcctg ttcgtgatcc cgtaactgca 600
tcagatcccc gaactagcca cattgttact gtttctggcc acgttgggaa gtccttcaag 660
ctgaacttgg agaaattgcg ggatcatttg gtgaagcggc cggaaatcaa tccttcggag 720
ctctcatata cgaccactgc ccggcgatgg caccaccctc atcgggtgag tataacagca 780
gctaacacta tggaaatctt gcgatgagtg aaagcgcag agcaagaggg catggagtca 840
accgccccgc 850

```

<210> 21327
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 21327

```

gattttcagt ccatcgcaag ccttttcttc gcttcttctc gaccacctcc gtcagaatgg 60
ccgccaacat caacaacgcc gccgcctggc tgactgaagc caaggcgcac cctttccaag 120
ttaaggaggc gccctcttac acgcctgagg agaacgagat cctggttaag aaccatgctg 180
tggccattaa cccagtcgac ggcagcctgc aatccaaggc ctggtggcct atgaactatc 240
cgaccattct gggccaggat gtcgccggcg aggtcgtgca ggtcggccca aatgtcgccc 300
gcttccagcc gggcgaccgc gtggttgccc atgccgtggg catggctacc aagcgccttc 360

```

aagataatgc cttccaagcc tacactattc tccagacaaa catggccagc cagctcccca 420
 gcgagatctc ctacgaagac gcggccgtgc tgctctggg cctctccact gccgccttgg 480
 gtcttttcag gacgagtttc 500

<210> 21328
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21328

catcatgggc cataaggctc gtgtgcttcc gaacgagaag acaatccgaa tgcattacgc 60
 taactgtaac acatataacg ccgatttcga tggatgatgaa atgaacatgc atttcccca 120
 gaacgaactt gccgaacgg aagctatgac actcgcagat gcagaccacc agtatcttgt 180
 tgcgacttcg ggcaagcctc ttagagggtt aattcaagat cacatttcga tggctacatg 240
 gttcacttgt cgagacgctt ttttcgacag ggaggactat cagcagctat tgtacagttg 300
 tttgagaccc gaaaattcgc atacagtttc tgaaaggatt caagtcgtcg accccgcaat 360
 aatcaagcca aagccccttt ggactggtaa gcaggtgatc acaacaattc tcaggaatat 420
 tatgccaccc gggagagcag gactcaacct taatagcaaa tcctcaacgc caggagatcg 480
 atggggagag ggcaatgagg aggacaaggt catattcagg aatggagagc ttctttgcgg 540
 aattctagat aagaaacaga ttggacctac agcaggtggt ttgattgacg ccattcacga 600
 agtctacggc cacacagttg caggaaagtt gctcagtatc ctggggcggc tgctgaccag 660
 gtttttgaac atgcgcgctt tcaactgcgg tattgatgat ctccgcttaa ctgatgaagg 720
 aaatcgtttg cgtaaagaga aacttgccga ggcaccgaag atgggcccgg atgttgcgct 780
 taaatacgtg acgctcgatc agaccaaggt gccagacgag gatgctgaat ttacggggac 840
 gcccttagga 850

<210> 21329
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21329

aatgcctcgt ctcaacaaca aagtcgcat cgttacgggt atgtatcttt acaccttcag 60

gtgaaagaaa aaccactga ctccgatgac actgaaatag gcggtggctc tggcttcggc 120
gctgctattg caaccgctt cgctgaggaa ggagcaaaag tcatcgtcgc ggacattaac 180
gcagccggtg gcgagagcgt cgcagcccag aatcctgaga atctcgtctt tcagaaggtc 240
gacgtgacaa gccccagcga ttgggctgct cttgttgaga ctgcagtcac aaaatttga 300
aagctggata tcttggtgaa taatgcggga actacttata ggaataaggt gcaaccagtc 360
ccccgttcgc aacttctttt ggatatggct aatggcgtgc agccacact agaggtaacc 420
gaagccgagt gggagcgcgt cttcaatgtc aacgtaaagg gcatctttca tggtagcgag 480
gccgtcatcg caagactgct 500

<210> 21330
<211> 850
<212> DNA
<213> Aspergillus nidulans
<400> 21330

cttcggatta ccacgagata gctactcgtg atattgagag accacctcta taccttgtga 60
caggcaccgg gcctgcaatc acaagcaatc gggcttcata tgtcttcaat ttgcgcgggc 120
ccagcttcac agtggatact ggatgttcgt caagtttagt ggcgttacat caagcgggtcc 180
tcagcttgcg gaaccgggaa accacgcagt gctttgttgg aggcgttaac ctacttcttg 240
accacaacg ctttactac cagagccggc ttaaaatgtt ttctaaagac ggtcgatctt 300
ttccatttga tgctcgtgct aatggatatg gacgaggtga aggtgtcacg ggtgttggtc 360
tcaaaccatt atcagttgcc ctgcgagatg gtgacctgt tcgggctgtt attagaaact 420
ctgtcctgaa ccaggacggc cggacacctg gtatcagtgt gccgagcgt gttgccaga 480
aagaagccat cataagggcc tacagacagg caaagctgga tttgtatgct gactatgtgg 540
aagcccatgg caccggaacc aaggttggcg atccaatcga gacgagcgt attgcagcgg 600
ccctaacgca aaggaggtcg cttcccggc ctctgcccat tggatccatc aagggaata 660
ttggccacac ggaaagtgcc gccgtctcg ctgggctgat caagtccgtt cttatgcttg 720
agaacggtat gattccgct caggtgaact atgagacaac gaacctgac atccatctgg 780
aggagtggaa ttacgagta cgtaagaatt ctgtcgaaaa catgacaaca ctgactctac 840
cagatcccca 850

<210> 21331
 <211> 489
 <212> DNA
 <213> Aspergillus nidulans

<400> 21331

```
gttcttttca agtcggcggc gtttttcgcc aggttcggct tgtcgttcgg tttatcttcc 60
ttagggaccg cctccttcag aaggagggct tagccctaag gtcgcgccca tgcggcatcc 120
tagctaccga ggcctcagca ggtgcaatgc ggtttatccc gtcaacctct ctatccgccg 180
tttccgcaa attcaaatca gtgcttgccct gcctcgtagc cggtaatccg gatgaaagcg 240
agcctctcgg cgtccgcagg gagtctatgg gtacctacat caaatcctgc gccggctact 300
gcgtgattac atacctctc ggcgtcggtg acaggcatct cgagaatctt ctccttgccg 360
cggacgggcy cttcttcccc gcagattttg gctttattct ggggcgtgac cccaagccat 420
ttgcgcagat gatggatctc tgcaaggaga tggttgaggg aatgggcccc cgtcttcccc 480
cccgtaaaa 489
```

<210> 21332
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21332

```
aaactctcgc ttgtagtcga cctcgaccaa acgataatcc acgcggcggg tgatectact 60
attggcgagt ggatggcgga caaggataat ccgaaccatg cagcagtgag cgatgtgcga 120
gcgtttcagc tggtagatga cggtcctggg atgcgcggct gttggtacta tgttaagctg 180
cgacccgggc tagaagagtt cttagagaat gtggccgaga tgtacgaact gcatacttac 240
acgatgggaa ccagatcata tgcgcaagct attgccata ttatagatcc ggatcggaag 300
ctcttttggtg atcgcatcct cagtcgtgac gagagcggga gcttatccgt caagaacctt 360
catcggatct ttccagtga caciaagatg gttgttatca ttgacgaccg cggagatggt 420
tggcggtgga gccccaacct tattaagggt ataccgtacg acttttttgt cggatttggg 480
gatatcaact cgagctttct acccaagaag caggagctgg aaactccagg ggaaaaccag 540
gaacaaaacc caacgccacc aatacaacag caagtcaatg ggttggccga aaaatctgac 600
```

gcgacagagc tatcaactct agagcagctg gtgactatgg ggggtgggga taacccaaga 660
 ctctgcagg aacagaccga ggcgcaagac gtgacgatat tgcacaggt tgaggatcgc 720
 ccgcttctac agaaacagaa agagctagac gctgaggatg aatcggcaga ttcgagggaa 780
 tccggcttga acgagtcgcg agattcggcg aagccacgcc atcatttgtt aattgacaac 840
 gaccaggaac 850

<210> 21333
 <211> 585
 <212> DNA
 <213> Aspergillus nidulans

<400> 21333

atcttcgcaa gcgcttatac cctaattattg agtctgacaa ctacagttag ctgcgccgact 60
 cctggaatcg cctgcgtoga gaagctgtcg atctggctct ggggaagcta gagcgcgtag 120
 tcaaccgcag cgtcaaggag aacatccgcc aagaatgtga gaaccacgtt gccaaagagt 180
 gtcgggaagc gttctctcag cgcttggacc aagctccgta taagccaaag ggtatgattc 240
 tgggtacggt ccctcgcgctc ttggcattgt ctacaggtag tggattatc ggcggggcac 300
 caattcactg ggcttacgtt gaggaggatg ggcgggtcct tgaaaacggg aagttcaccg 360
 acttgtctct tggggacaaa gatcgcggta tcgccgacgg caaagacttg gaagccttgg 420
 ttgagcttgt taaccggcgt cgtcctgatg tcattggggg gtccggcatg tcccctgaaa 480
 ctgcggcact ttacaagcta ttgactgaaa tcgttgatgc gaaagacctg cggggcgctc 540
 tctacactga tgaccgtgat gaggagggtc gtgaccggct ggaag 585

<210> 21334
 <211> 671
 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
 <400> 21334

cccacaccga caccanaaca cacaactac accacacaaa atcacaagac acaaccaaaa 60
 aactccaga cacacagaaa caaccccgac acacacacac aaagagttat cnccacctc 120
 ccggggcgcg cgtactgacg acgaccctgg gngggccata cacagaaaac ggcgagagaa 180

agacacanat tgttaccgac cagaccaggc aggaccaacg aggggaccca agaccccaac 240
 caaccgcagc gaaaacgcaa cgcgccgaaa cagcacaag cgcgcggcaa cgagcaggca 300
 cagcaggaaa agaccacacc cggccacncc agcaacgggc agcaaaacgg cccccaccac 360
 gagaagaagc agccgcaacc ccacaccgag gaggcgaaca ccaaggagcg agacaggcac 420
 acggcggcgg gcgaagagaa cgaaacagga cgccgacagg aacaacaacc gcacgaccga 480
 cgaccaggca aacgcccacc aagacgccga aaaccaaagg gacacaaacg acccgacaaa 540
 gaacggggca accccgaccg cgggaacca accgaacccc aacaccaaca ggaggagccc 600
 caggccgagg ccacgcaagg gaaaacggnc aaacacagaa cccaagccg acaacacccg 660
 gaaacgggcg g 671

<210> 21335
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21335
 ggatacctgg ggccctggct gcccgacctc ttacgcaacg gactacagcg aggactgtct 60
 cactgtgaac atctggacgg gcgcgaattc ctcgtctgac agactgcccg tcatgatcta 120
 caatcagggc agtgacgagc cgagcaacag cgctgtttac tatggcggtg gcgtggcgcg 180
 gaaaggcggt gtcgtgtga cattcaaccg ccgtgacgat gtctttgggt acctggcgca 240
 cccgaattg aatgccgagt cggagaaaga aaatggccac agctcgtcag gcaactacgg 300
 aatcctcgac ttcctcgagc tgctgaagtg ggtgcagcgc aacatcgaga acttcggcgg 360
 cgactctacg agcgtcacga tagtcggaca gtccttcggc tccgcgcagg tctaccacgc 420
 cgtcaacagc gggctcttca agggctctct ccatggagct attgccgaga gtggcggtcg 480
 atacccttac gacacccttc ttgccgggct cgcagattcg tacgtcacca tgccgaaagc 540
 tatacagaat ggtctcaact acacagcctc gcacaatgcc agctcaatcg cggacctgcg 600
 caagctctcc accgaggaga tcatggtcgg ctcgggtgac cgtgtcacag atgccgatat 660
 ctggtgggtg actgcgtctc cctgcatgta cccgctcaaa tacaagcccg tgctagacgg 720
 ctacgtcctc cctgagaagt acatcgatag cctgcgcaat gggccggcta atgacgtccc 780
 ctttatcacc aacaacaaca aagacgagag cggtgctgcg acgtcgacag actacacggc 840

tagggagtac

850

<210> 21336
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21336

aaggaattca cttttgacgt cgacgtctcc gagtccccct gcggtctcaa cggggcggtc 60
tactttgtgt ctatggacgc cgacggcggc aaatcccgt atgccaccaa cgaagccggt 120
gccaaatacg gcacgggata ctgcgactct cagtgccgcg gggacctcaa gttcatcaac 180
ggcgctcgcca acgtcgaggg ctgggaatcc tccgatacga accccaacgg cggcgctcggc 240
aatcacggct cctgctgcgc agagatggat atctgggagg caaacagcat ttccactgct 300
ttcactcccc atccctgoga taccctgggc cagaccctct gcaccgggtga ctcatgcggt 360
gggacctata gcaacgaccg ctacggcggc acctgcgacc ccgatggctg cgactttaac 420
tcctaccgtc aggggaacaa gaccttctac gggccaggcc tgacagtcga cacgaacagc 480
ccggtcacag tggtgaccca gttcctgaca gacgacaaca cggacacagg caccctctcg 540
gaaatcaaac gcttctatgt ccagaacggc gtcgtcatcc ccaactccga gtcgacctac 600
cccgtaatc cgggtaactc gatcacaacg gagttctgcy agtcgcaaaa ggaactcttc 660
ggcgacgtcg atgttttctc cgccacggc ggcatggcgg gcatgggcgc cgcgttgga 720
caaggcatgg tccttgact gtccctgtgg gacgacaact actcaaacat gctctggctc 780
gactcgaatt accccacgga cgcggacccg actcaaccag gtatcgcgcg cgggacgtgc 840
ccgacggact 850

<210> 21337
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21337

tttattcttt gatcactgga ctgtcattta acagagcaca gacatagcat ggtaagctgc 60
ggcgatgcca ttaatatggc gtgtcgctga ccagcgtcac aggggtgaga taatcacaaa 120
ccgtatcaca tttctcgtac cgcattatga tgggaaataa agcgggcttg atgctcgata 180

tatgatcacg catctgaagc ccgagaactt caaagtcttg tcattgacga ctattgctac 240
 tccacatagg ggtgtgtaga tatctgcgct ctcaagaaat gttgctaatt gcttacaggc 300
 tccgccgtag cagattatct tcttcagcag ataggcggtg cgctcataag gaaccttcat 360
 tgtctcgtgc taacaggggtt tgtttctaga tgatcggttg gccagctctt attacctcct 420
 cgagaagatc aggatcgagt caggggcatt ctctcagctc acgtgcgagt atatggagaa 480
 gactttcaac cctcagaccc caaatatcga agatattcgg tatgtcttcg ttcggggatc 540
 agttttcgta aggctgatat cgcagatatt attcctatgg agcagtcatg gagccaagat 600
 tttggtcggc cttccgctta tcccaccgtc ttctacaaca acttgaaggg tacaatgatg 660
 ggctagtcag cgtagcaagc agcaagtggg gagcttaca ggggaccctt atgggggtca 720
 gtcacttggc cctcatcaat tggagtaatc gactcaagtg gcttgccggc gagatcactg 780
 gccagagacc aaagtaagtg ctgctgacta ctggtcatag cttgtggcta attttggacc 840
 ttctagcttc 850

<210> 21338
 <211> 724
 <212> DNA
 <213> Aspergillus nidulans

<400> 21338
 ctcgcctagg ctcgagaagc ttgtcgacga attcagatat cgtttttctt tgtgaaacca 60
 catcttgttt tacttgatgt aaacttaccg aaattcgatg gtttctactg gtgccgtcaa 120
 attcgtcatg aatctacttg tccaattatt ttcatttcag cgcgtgctgg tgagatggaa 180
 caaattatgg caattgaaag cgggtcggat gattacatta caaaaccatt ccactacgac 240
 gttgtaatgg caaaaattaa aggacaatta cgccgtatctt acggtgatta tgcaccaaatt 300
 atttctgaac gtattcgtga agtagaaggt ttaaaactat tcccagaacg tctgaaatt 360
 cacttcggat ctgaacaagt tcttttaacg aaaaaagaag ctatttttagc tgaaatgtta 420
 ttatctaaaa tcccttgtag cgcaaggcct gaagatttat tagcttgccc ttgggaagac 480
 caaagctttc ttgaagaaat ccattaaccg taacattccc gtttcgaaaa aggttaaggc 540
 ttggattgag actttttgaa caggacgggc ttggtatcgt tttaccaact tgggtggata 600
 gctgaacttt tttcccgga atttgctttt ctacggctgc ttaaaatggg gtattttctcc 660

ttt gatg cgc aaggggtcaa cacaaat ttt ttccggt aag aattattatt ttttttccct 720
tacc 724

<210> 21339
<211> 667
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 21339

acggaatact ctgctattcc gactcctact tcggagaagg aagaatacaa aggacccgac 60
agtcaccccg cgtgggatat ccctgatgct ttcttacttc ccaatggcta ccgggatgtg 120
cgacatgtcc ctgctgccta cccaaatcgt tctaccgcta acaatcgta tctgcagtat 180
cttaaactga ttttgacttc ccgctgtctac gagatcacta ccgagtcccc tctccaccat 240
gcagtcaatc tcagtaaccg aatggaatgt cgagtgtctc tcaagcggga agacctgcta 300
cctgtattca gtttcaaact ccgctggagca tacaacaaga tggctcattt gaccgacgag 360
cagcgatgga aaggcgtgat tgcttgctca gcaggtaagc aactcaaaca agcggggctc 420
tacagatcag gctctgatac atctatactg tataggcaat catgctcagg gtgtcgcgta 480
ctctgcncgc aagctcaaaa ttcccgctac cattgtcatg cctccggcac ccagcgatc 540
aaacacttga atgtcgtctg ccttggcggt agtggtgtcc ttcattggaaa cgatttcgac 600
gctgccaaag aagaagctca ccgccgggaa aagcagcacg gtcttacaag cattcccccc 660
ttcgatg 667

<210> 21340
<211> 671
<212> DNA
<213> Aspergillus nidulans

<400> 21340

tgctcgccat tttccacaag aatctccctt cgaagtagcc tcctcgccaa cacacggtca 60
acaatgcgca acccggtctc acaacaccgt catcttcttc ggcgatctcc agaattccgg 120
cttctttggc gatatttctc tgccgaatgg aatcttcatg aattccacc tgaatgggta 180
tgccggccctt ccgaagtccg tccacacagc ggtccgcgca acgctgcagt ctgttttggg 240
cgaatccggc ctgaatggcc ttccagagaa ctccaaggct gatattacga cgggtcaaatt 300

gcatcttctt gtggagatat tgggggtttac gggtagcat ataccgcca aaaacctcat 360
aaattcacat aacagctaca agtactaaca taggccagat ttctccaatt cgctcaacca 420
tgtccagaat gccggacgcg caattctaag cgacccttct cccccaccag gcttcttcca 480
tttcccaatt ggatacacag ggcgtgcgtc gacggttgct gtctcaggga caccaataac 540
ccgaccctgc gggcacttct acgaccgag caatccggtc gctaggaagg tgggtgatgg 600
gccgtcccgc gcgctggact atgagatgga acttggtgct gtcgttaaaa aaatttcgga 660
tggggatccg c 671

<210> 21341
<211> 538
<212> DNA
<213> *Aspergillus nidulans*

<400> 21341
ggccagcaat cccccaccaa ccctgggtggt cctgggtgat gcgaacaatg ccatactgtc 60
gacggcaagg ttcaactttg cggaagtcgc aaaatatggg acagtttatg tgaaacgggc 120
ttatggtgac tggactagca cttctctaaa gggctggaaa aaagaactcc ttagtcagtc 180
tatccagcca ttccagcagt tcgcatacac caacggcaaa aattcgaccg actccgctat 240
gatcatcgac gcgatggacc ttctatatg gaaccgttct ggcggtttct gcctcgctctc 300
tagcgacagt gacttcactc ggctggctgc tagtattcgc gaatctggtc taactgtgctc 360
cggctttggg gagcagaaga cacccaagcc cttcgtcgct gcctgcaata aatttatcta 420
tacggaaaac ctttcgttcc atggggaact tgtaccgcat cctgataggg ttattgtgcc 480
caaaaatcat gttccagcgc ggcacgcca cgcagatggt cacttaaaaa ctctgctt 538

<210> 21342
<211> 780
<212> DNA
<213> *Aspergillus nidulans*

<400> 21342
ccttcagaac cagcaccgac caattgtaag gtcattgctt cgaagcatgt tgcaatggc 60
ctgctcgcag aagtttctga gggatatcaag accctagaga agccgcctca tctggtcgga 120
ttcctggcga acaatgatcc tgcggcgtg atgtacgcgc aatggaccga gaagacatgt 180

catgaaaagt gagccttctt ttgttcgttc gtatcctgct cccctacgcc cattggtcgc 240
ggcgtagtgt tgttcgtgtc atgtccgttt tgttgtgttc cctcaaaatc acctacatcc 300
cgggccctgt atctcgtagc taacgtagat ctatctcatg gatatagtgg attccgatat 360
tccttgcgcg aagttcaccg tgataacctt gaagaagcaa tcctggccgc aaatgtcgac 420
cctgacgtcg acggcatcat cgtctattac cccatattca acaaccgtca agaccaatac 480
ctgcagcaaa ttgtggacgt gtccaaggat gtggagggtc tcagccatcg ttacattttc 540
aacatgtacc agaacatccg cttcctcgac ccggagacca agcgccagaa atgcattttg 600
ccctgcacgc ctctcgcaat cgtcaagatt ctggagcacc taaacattta caacacagtt 660
ctgccgtatg gtaacaggct acatgggtcat actatctgcg ttgttaaccg ctctgagggt 720
gtggggccggc cgcattgctgc gttgttggcg aatgatggtg cctgcgtgta tagcgtcgat 780

<210> 21343
<211> 675
<212> DNA
<213> *Aspergillus nidulans*

<400> 21343
cttccagggt tggttcgaga atatcgtagg tccgctgcac tcattgtgtc tccctaccta 60
ctaaaattgg tctcttcgat aggattacga ggatgccgcg gcgaatgaga acctgcagtg 120
gctagcgaaa caaggaatcg tcctgtaagt ttgctgaacg tgcattccgg ttgccttctg 180
accataacag gtcaaaacttc tatgcgggtca ctcatccctc tcaaccaaac tactgcgctg 240
cagcaggagg cgatacattt ggcatggatc atgacgattt cctgcgaatt ccggccaatg 300
tttccactgt cgtagatctc ctagatacca agtacatcgc ctgggctgag taccaggaac 360
acatgccta ccccggttt gaaggattca actattcaaa ccaagagacc tacgccgacg 420
attatgtgcg aaagcacaac ccgcttatct tgtacgactc tgctcgctgag aatgacatgc 480
gccggcgta gatcaagaac ttacacatt tcgacgatga tctagccagc gagaagcttc 540
cccaatgggc cttctttacg cccaacatga ccaatgacgc ccatgacacc aacataacct 600
tcgctgctaa ttggcttcgt ggctggattt cgcctctgct cgagaacgac tacttcataa 660
cgacactctt atcct 675

<210> 21344
 <211> 673
 <212> DNA
 <213> Aspergillus nidulans

<400> 21344

```
atcatgaagg atgcatcaga aagcgcagca caaataccgc tgcttgcttc tataaatgca 60
gaatctcagg tgcattcttat tgttggggcg aatcctcttg ctgcagctcg ttgcacaaaa 120
agcgtgcaag caggagccaa accagtagtc atctcgcccg atcctggaag tctgcaatat 180
actttggcgg cgcattttga aaatggcaat gcgaagtggg ttcagaggga gtttgaggat 240
gccgatttga cgaccttagg gaggggaagag gtggatcatg ttgtggacat ggtctttggt 300
acccttggtg gaaatcacc accagtagtc taccgcgcca tagcatataa ggcacgagtc 360
gtctaatacta aaccacaggc tctcatatat ccaaactatg ccggcgggctc aggatcccag 420
tgaatgtttc tgatgtcca gatctttgca cattcagctt gctttccacc tattcggtatg 480
gccctcttca tgtcggaaac acgacttcgg gacggggctg caagctagcg gcacgattga 540
agagagagat agcagccact ctccctccca accttggaac tgccatagat aggttaggga 600
cgattaggag acgtctctgg gaggaagatt ttgctgcggg attgtgtgat gcgtcttcga 660
catcgacgat gac 673
```

<210> 21345
 <211> 625
 <212> DNA
 <213> Aspergillus nidulans

<400> 21345

```
tctatccacc agagggaag accaagctca gccagaaga tatccccctt gcggacagaa 60
cgggtgaaac tggcaccccc agtcttatgg ctctcaaggc cgtcgaatat cgcggtaaag 120
atgggtatgc agtatctcct ccacctccca caccctggc aaacctatt gactgcctat 180
tcaatatctg aacggaacta atccccatct tagtggccac atctccttct ccccgctcct 240
gccacctgag ggcagctccg caatggcatt ctaccgcat gtcaagccgc tttgggcgag 300
tatggctttg actacttcgg cggccttcat ctgtaccgc gacacttggc catgatcaac 360
atgatctact tcgaccgcac gtcagaactg gagcgacca acgctaataa actgttcgtc 420
gagcttgtgc atctagcgcg gcggcatgga tacagtgagt accgggcaca tattgactac 480
```

atggacttgg tggcagacca gtatgatttc aacgggtgta gcctgcggca cgtgaatgag 540
 aggattaaag atgccctcga tccaaatgga atcttgagtc cctggcaaac agggaaatctg 600
 gccagggagg tctagagagc tgact 625

<210> 21346
 <211> 551
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 21346

gtcgtctctg gttcnacgca gagcgtgcct gttcgggacc ccgtttccgc agcggccccc 60
 ggagccgcac gacatgtctc caaaggtagt gtaggaggca agattcatgt ccaaggttcc 120
 tcttcgaatg tcacgcacac aatcaacgaa gatgaaagga ccgaatttac gagacatata 180
 aatgctgtcc tagcaggtga tccagacatt ggccatcttc tacctttccc taccgatata 240
 ttcgagatgt tcgataagtg caaggacggt ctggttctcg caaaacttat caacgacagc 300
 gtccccgata ctattgatga gcgcgttctg aacaaacctg gcaggaaact caaagagctt 360
 aacgcattcc acatgactga aaacaataat atagtcatca actcagccaa aggaattggg 420
 tgctcagtcg taaatattgg aagcggcgac attatagaag tgcgggagca tcttatcctg 480
 ggtctcattt ggcaaattat tcgccgtggc ctattaggga agatcgatat caaacttcat 540
 cccgagcttt a 551

<210> 21347
 <211> 723
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21347

taagattgcc cggtttgtct acgataggtc gcatctctcg attgccattg tcaagcatcc 60
 actggaagtc gttgggtgag tgttgcccggt ggagctctgg tgcgggcagg atagctcctc 120
 taacctcag actgaggtat aacctaccgg gcgtgcatca gccgcagggt tgcggagata 180
 gtcttttgcg ccattttctc tgatcagcag gttaagggat atggtgcgca tetgatgtcc 240
 catctgaaag taagcaagca aattgaaagc gtgctcacct ctgcgagtat cattacttac 300

tgaaagctct ttaggactac gtcaaggcca cttcggacat tatgcacttt ctgacctatg 360
 ccgataatta tgcgatcggg tatttcaaga aacaaggatt cacaaaagag attcaactgg 420
 accgatctat atggatgggc tacatcaaag attatgaagg aggaaccatc atgcagtgca 480
 caatgctccc gaaaatccgg tatctcgaat ccgggcgcac gttgctcaaa cagaaagagg 540
 cggtccacgc aaagattcgt gccttcagca aatcgcatat catccatccg ccgccgaagg 600
 agtgaagaa cggacctgtc aagattgacc cgttgagcat tcccgccatt aaagagtccg 660
 gctggtcgcc ggatatggac gaactcgttc gtcagccacg acacggggccg aattgaagca 720
 tct 723

<210> 21348
 <211> 733
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21348
 ggtcagttgt aaagtgtgat gtcgagttta tagcgaggag ttggggcccc tagcgccaat 60
 ggaatgtggc tatctaactg aagctggcac agttgtcaat gtgaaaaagc caagctcggc 120
 gtcaacgatg ttgattacgg gaatgggtcc tgtagaagtt gcggcgcttt tgacagctag 180
 agcgtttaggt ttgactcgga tcgtggctgt tgatattgtg gacgaaaagt tacagctcgc 240
 gcttgaacta gaagcctccc atacgatcaa tacgctcaaa ggcccagact ccgatttagc 300
 agcgactatc cgcattgtatt tcccaggcgg agcagactat atcatagata cgacaggggt 360
 aggcaagggtg ctgcaggcga cgctgcgagc cttggccggt aacggcacat ttgcgctcgt 420
 tggtgccatg ccgccagaca cagaactgaa ggtcaatgcc cttgatgtgt tgacgggatg 480
 caagaagatc attggagtca ttttggcttg gtcggatcca cagcaggtat gatttcaatc 540
 aaacctacaa gaaatggttc tccgttggtt gggcattaac tctgtttaga tcatccccca 600
 attggtacag tgggtacaagg aaggcaaatt tcctgtgcac aagattgtgc gaatctatcc 660
 ggctacggag cttgacaaaag cctcgaaga tctcagagca ggacaggtaa ggccaattgt 720
 agttcgggta tga 733

<210> 21349
 <211> 850
 <212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 21349

acttttcgtc cgacatccgt catccccagg aggtatatta ataccgcggy gcacaccgcc 60
gtctataagg ttcgtgatat ttctcaagaa tttcggttcg tgcacctcac gtgtctaact 120
atcccatttt acaggaaaat aagtgagaaa tacgacaaag ttttcgagac gggctgtcag 180
cccatcaaca ccgatacacc ccgagcgaac gcggctttcg tcgtgctcgc aagaaataag 240
gaaatcgatg gcgttatcca gtcaatgaag tcgatcgagc gacacttcaa ccgctggtag 300
cgctaccctt atgtttttct aaacgacgcc gagttcgacg ataacttcat aaatactgtg 360
aagaactata caagtgcgcc cgttgagttt gggaagatcg atgagacaat gtgggggttac 420
cctagttagg tgcaccacga ggttgctaaa gaaggcatcc ggaaacaagg agatgccgca 480
atcatgtatg gaggtatgga gagctaccat cacatgtgcc gcttctactc tgggtaagcc 540
accttcggac agcgcttgcc gtcaaatact catcctgccc aggttcttct acaagcacc 600
gtctctctg aagtacgagt ggtattggcg tttggagccc gagatcaagt acttctgcga 660
catcacctag taagggtta tgaatccttg cgctttacta tgactcacat ataaatagt 720
atcctttcct caggatggnc gaggccaaata aaacgtacgg attcaccatt gctgtgaagg 780
acttcgagag accgtgccga atattttttt gtacggttag ctttcaaacg aagacaattt 840
agatcccagg 850

<210> 21350

<211> 850

<212> DNA

<213> Aspergillus nidulans

<400> 21350

atcgagagcg tgttgacatg catatatcaa ttgggatgtt ttatcaagta tgttacattt 60
atagcctata gtctgctgaa tagaaactgt tgctgacggt atcagttact atggtgacct 120
tggtcataca ttcccttcgc actcccagag ccaactcgtt gggttgtgta caggtttgct 180
cagctgtgcc gcggtcagct gtgcaagtaa cattggcgaa ttactcaaac cagctgttga 240
agtggttggt gtagccctcc ggttgggact ctgtgtttac cgagtgcgaa aactgtttgg 300
tcaagatcaa gcagcgccac tcagctggtc agctcttggt tccggtttga gtgaatccga 360

aggaacgagc ttgatagaca aatttaccg cggaaatgtg agtctcccta taaggatttc 420
 gtaacacttc gatattgacc agctagggtta tccctccttc gtctcggccg tacattagcg 480
 cagtatgcgc aaacacgttg accattagtg gtcccccggt tgttctcaac cagtttcttg 540
 atactttcat ttcaggaaag aataaagctg ttatggtgcc aatccacggc cggtttcatg 600
 cctctcatct atatgagaag cgggacgtgg agtggattct taagtcctgc aacgttgaaa 660
 caatccgcaa ccataagccc cgtattccgg ttctgtcaag caatactggg gagctcatcg 720
 ttgttgaaaa tatggaaggt tttctcaaaa ttgctttaga agagattctg cttcgccaaa 780
 tgtcttggga taagtgaca gattcatgca tatcgatttt aagtcagtgg cgatacaaac 840
 caaaagttat 850

<210> 21351
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21351
 aggctgctcc caacaacagc atcatccttc tccatgcttg cgctcacaac cccaccgggtg 60
 tcgaccctac ccaggaccag tggcgccaga ttagcaacgt aatgaaggag aagggccact 120
 ttgccttctt cgacatggct taccagggct tcgccagtgg aaacgccgat accgacgcct 180
 ttgcgcctcg acacttcgtt gagcagggcc acaacatcgc tctgtgcca agtttcgcca 240
 agaacatggg aggctcagtt atctggttgc ctcaaggcat gcgcgttaac tcaatttgca 300
 gggactctac ggtgagcgtg tcggtgcttt ctctctcgtc tgcgaatccg ccgaggagaa 360
 gaagcgtgtc gactctcaga tcaagatcct cattcgtccc ttctactcca accctcccgt 420
 gcacgggtgct cgtgtcgcct cgactatcat gaatgaccct gcgcttaaca agcaatggct 480
 cggcgaggtt aagggcatgg ctgaccgcat cattgagatg cgtgctcttc tcaagaagaa 540
 cctggaagag cttggcagca agcagcactg gacgcacatc accagccagg tacgtagttc 600
 tgtggaatca aagaagcgca tcaatactaa cattcacaga tcggcatggt tgcttacact 660
 ggtctcaagc ccgagcagat ggaggctctt gccaaaggag tacgcaccac gtcttaacca 720
 caatgtctca tctgtctcta acgcataata gcactccgtc tacgccacca aggaocggccg 780
 tatctcagtg gctggtatca ctacgggcaa cgtcaagcgc cttgccgaat ccatctacaa 840

ggtgactggt

850

<210> 21352
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 21352

cgaatggtgg taccaagggg cgttatacga gctcaaaactc gctcggtgaa ggcgaaatcc 60
ggcgcagaaa ggacctcctt atcaacgctc ggaaggaaag ggatgggtta gagaacctgc 120
tgaatgcgat ggccggcaaag agtcgtgttg ataacgcggt tgcacgacac aaggataaag 180
agggcgcttat agggggccgcg aatgggacgg gagggggaag tagcaggaaa ccggcgagga 240
ccgggagggt acttggaag gagacggagc ggacccgcga gctggacaat cagggtgtcc 300
tgcagttgca gcaggaaatg atgcagcagc aggatatgag tgtggaggag ttgctgaaga 360
ttgtgagacg gcagaaggag ctaggtatcc agattaacga ggagttggag gtgcagaatg 420
agatgttaag gatggtggat gaggatgcc aagagtatgt ttcccttcac cgtagtgtcg 480
tgagctgaac ttcttgctaa 500

<210> 21353
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21353

cgaggcaata ccggtcttag caatttgggc aatacctgct acatgaactc tgctctgcag 60
tgcgttcgta gcgtagagga gctgacttag tacttcctga gtgagtgtta atgatcgtgc 120
tgcttgagtc actgctgact tgccaagacg atgtctataa gaaagatctt aacccagca 180
atccttttagc tcataacggc gacgtggcca aagcgtacgc aaatttgctt cggaatatct 240
acgatgaagc aggacacggc tcctttgcac caaggcagtt gaagaacacc attggccggt 300
atgggtccggc gttctccggc tatggacagc aggactcaca agaattttctc ttgttgctac 360
ttgacggttt gcatgaggac ttgaacagga ttcagaaaaa gccctacatc gagaatgccg 420
actcaacgga cgagatggtg cacaataaag aagctctaag gaatttgccg acatgtgctg 480
ggacatttac aaggcacgca acgattcggt catcacggat ctgtttgccg gcatgtacaa 540

gtcgactctt gtatgccctg tctgcgacaa agtgagcatc atcttcgata ctttcaacaa 600
 cctcacgctc caactgccga ttgagaacct gtggagcaag agtatcttct acttccctct 660
 tgacaagaaa ccgatcatca tagatgtcga gatcgacacg aactccagca tcaaggcact 720
 caaggagttt attgctaaga aagcaggctc tgatcctgag cggctgggtca tgtcagagat 780
 ctacaagtcc aaattctaca ggatgttgcg caatgtcagc tcgattgcgg attgccaaat 840
 acgtgattcc 850

<210> 21354
 <211> 682
 <212> DNA
 <213> Aspergillus nidulans

<400> 21354

cagatcatca tgcgactgtt tcacctactc gtcactaccg gcatctctgc ctctcttacg 60
 tgcgcggcga atcctaagtc ctcttggagt gactatgtta ttatcggcgc agggccagct 120
 gggtagcttc tcgctgctcg tctatcagaa gatccaagag ccacggtgac cctgctggag 180
 gctggacctg acggcggtaa tgacccaaac atctacacc ctggggttgc tggcagactt 240
 caaacacccc agtattcgtg gaactacacc tccaaccag acccaaggcg ggggaatatt 300
 cccgtgcgct tcccgcaggg ccattgctctc ggtggcgcca cgtccatcaa cttcatgtcc 360
 tactcccgtg gcgctgccag cgtctatgac cagtggcgcg aagagtcagg aatcgacggg 420
 ttgagattcg acaagatcat ccagcagttc aggctctcta gcagtctgac catcccatcc 480
 gatattgagt acgaaatagc cgccaactct acgggtctacg aaaacgggtcc tctcaagggt 540
 agttacgagc gaaggaacac tgggaccgag ccgttttggg cagatgccct ggccgcaact 600
 gtcgcttctt cagcacctct tattgaccog acagatggac gttccattgg caagacaata 660
 ggccgaccgc atactatcaa ta 682

<210> 21355
 <211> 501
 <212> DNA
 <213> Aspergillus nidulans

<400> 21355

gattgctaag gtgcatacct catcctcagc tggccctect tggacttagg cacgatgact 60

gacgattggc ttcgacaggg aaagtttggc ctttctatca accctccagt aatcccttgc 120
tccgacggcg cgggtgaagt cctgcaaadc ggctcatccg tgacatgttt cagaccaggc 180
gaaaagggtg ttacgcatct gaccgtccac caagacgata acgagccggc tacctttacg 240
gatatcgctg cgggtctggg acacggtgct catggaacgt tgcggaagta cgctgttttc 300
catgaaagtt ctgtggtgaa gatgccgagt aactgggat ttcgagaggc ggcaaacactg 360
acatgctcgg gattgacggc ttggaatgcg ctttttggac cgggtctgct agcgaacgac 420
gagggagttt caaatgcgcc gagggaaagt atgtcttgc acgggacgga gcgttagtgt 480
tctgcctgag gtatgtggag t 501

<210> 21356
<211> 385
<212> DNA
<213> Aspergillus nidulans

<400> 21356
gccctggatc cgtgcgaaca cctcatcgc caacggaggg ctgattgaag agcatccgga 60
cctggagaaa cgtatgtacg gaaatctaag caaagggtggc atgacgcac ccttcaagct 120
caagtcggca tacggtgcc a ttggcgaatt gagctttaca aattacaccc ccgacttcaa 180
ggatatactc gactacatct ggtactcatc gaatacgggtg cacgtctcgg gattactagg 240
cgagggtggac aaggactatc tacagagggt gcctggattc cccaactatc atttcccaag 300
tgatcatatc gcattgttag cggagttttc agttaaagggt aaaaagggca aggttgtgga 360
agcggatttt ggaccgcaac gaaac 385

<210> 21357
<211> 457
<212> DNA
<213> Aspergillus nidulans

<400> 21357
gcaatgctgc tctagatcgt ctctttcctc gtgcagggtc ctggagctgg actgatggcc 60
atgggcgggt cgatgacgaa cgtggcaaaa ggtattgtta tcgcggggct gatggtccag 120
attgtgatat ttgggttctt catggtcacg tccgccgtgt ttgaccagcg catgaggcgg 180
taccacaacca gtcttagcat gagcaggaac ggtggtgacg ggataggctg gaaagagcat 240

ctctatccgc tgtacgcggt cagtatcctc attatgatcc ggtcgatttt cagagtcac 300
gagtatgcaa tggggcagaa ggggtacctt ctagcgcacg aatggccgat atatgttttc 360
gacgcggtct tgatgcttgg ggtgatggtg atctggggga aggtggcatt ccgggagcat 420
caggaccgag gggatgggag cgcagttatt tagcatg 457

<210> 21358
<211> 720
<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
<400> 21358

ccccccac caccaaaccg acaaccaagc acaccacaa aacaccncaa aacaaggcac 60
cacacacaga ccagccacac cgcgccc aaa acagcttaac acctccctca ccagcgacg 120
cgccctngac acggaacac aggaggcgcg cgacccganc cacaacaaca aactaaaccc 180
cccttattcg ccaccgagac acccagacac agaggggggg ccaacgaaac aacagggcgg 240
gccaaaacaa cagaacgcgc cgacgcagag aagccggggg ccccgcccaa gaaacagcga 300
aacaacgaca ggcaccacta accagagaca aaaggacccc gaggcgaaac ccaccccgca 360
aagcacaacc ccccgggcg aaaaccacaa gagcgcgagc caaggaagga ggaaacccag 420
cccctacgcc aaccaaagcc acccccaaac ccacccggca caaccggcag aaagcaaagg 480
gccaaccaa aacccaacg acggcccccc cgggcaccaa cccaacgcaa aggagaccaa 540
aaccaccaa ccgaccgacc caacagcaaa aacaaagccc ccccccacc acaacaaaca 600
gccccggaca tgcaaccaa ccccccaaa aaggggcccc ccaacccag acggcggcac 660
gcccccaaa caagaaccaa gggaccgacc ccaccacaa cgccgacaca aacccccaca 720

<210> 21359
<211> 554
<212> DNA
<213> Aspergillus nidulans
<400> 21359

atatctcctt tgctctggac ccaggcatac actacgcaca caatctcaca gctctctctt 60
acgtctagag cagagcacac agcatccaaa gtttccggta tgcagcagct agaacggcgc 120

atcttcagcg ttcacatgga tgtcacgata acggaatcta tagccgtcac tcaggaatgc 180
agttaacaag agtgttcgta ttgcagatgc accatgtcaa ggaatcatac ttacctagag 240
tgtaagttag ggcaagttac catcgccctt gtaatacatc atatatcgcc ccatacatag 300
gtatgggagc gacagactat ttagagaaga tcatcaatcg cagctgttgt atggccagta 360
ggacacatag gcaatccacc ataagaactc aacaaatttc gtggtcaaac agtccatacc 420
agagcaagct cccaccgta tgcgtggagc caccgacaa gacaagaaag gaccggtcag 480
cctcgggcac caactcggca cgtaatcctg gtggaccgat ccccatcgtg gcgccttgcc 540
agcaagagcg taat 554

<210> 21360
<211> 785
<212> DNA
<213> Aspergillus nidulans

<400> 21360
attccaacaa gcaccgtgtg caacttcgga tagggaaaag cggctgcgca gtgtaatctt 60
ccttgagat cgacattcaa cccagtctcc tcagcaatcc tcacgatgta gccggcaaga 120
ttcgactcat catcgtcggc ggccggttga ctgttttcac agctgccgcc aagctaactg 180
aggacccaaa agtcaaggtc cttatcattg agaagggtt ctacgaatct agtgacggcc 240
caattatcga ggatccaacc aagtatagca agatcttcag aaccagcgct gaccagaact 300
tttttaccgt gccgcttatt aacaaccgca cagagctcat caaatctgag aaaggccccg 360
gaggatccac actggttagt ggcaattcat ggacatgcc tgataaggcc caggttgatt 420
ttgggagaag gtctttggca tggacgggtg gaattggat agcctgttcc agtatatgaa 480
caagggtgaa cgatcccgct ctccattga ggctcagatt gccactggcc attcctttaa 540
ttcctcgtgt cacggattaa atgggacat tcacacaggg taccgtgata ctggcgagcc 600
gtggtctccg ctcattgaac cgttgatgac aactgtttcc gagcagggtt ttcacaagca 660
gatcgacttt cactgtgac gacctcgtgg cgtttctatg attcacaaca atgttttgga 720
aaaccaagtg cgcgcggatg cagcccgga atggcttctt cccaactatc aacgacccaa 780
cctaa 785

<210> 21361

<211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 21361

```
cagcccgcaa gatgcatatc aaagagaaac tcgccccaaa tgaggctgcc ggtaaaatcg 60
gcatctcatt cgagttcttc cctccgaaga cagcgcaagg tgtccagaac ctgtacgaca 120
gaatggaccg catgcacggg ctcgggtccgt ctttcatcga tatcacttgg ggtgctggtg 180
gacgactctc agacttgacc tgtgaaatgg tcaatgtcgc gcaatcagtg tacggcctgg 240
aaacatgcat gcatctcacc tgcacagata tgccccagga gaggggtggac gcggcgctcc 300
aagccgccta caaggcaggc tgtacaaaca ttctcgctct acgcggcgac cctccgcgcg 360
aaaaggaggt gtgggaggct gctgatggtg gattccggta tgcgaaggac ttggtgaagt 420
acatccggga gaagtacggg aaccatttct gcattggagt tgggggatat cctgaagggtg 480
ccgatgacaa ttcagatgta 500
```

<210> 21362
 <211> 617
 <212> DNA
 <213> Aspergillus nidulans

<400> 21362

```
tttgggaact tcaacgacgt atcgcttcta cgtcagccat atgtcgcagc gcagatgctg 60
catcgcgggg tcacatccgt ccgcgattgc ggcggcgccc agctcgcttt caaacaagca 120
atcgaggagg gtgtctttcc tggcccgaga ctcttcattg ccggacacgc actgtcgcaa 180
tcaggcgggc acgggggatat ccgctcggcg catgaccatg ttcagtgtg cgcggggcac 240
acgaacggac tcggccggat ctgcgacggg gtgcctgctt gtatgacggc cgtgcgggag 300
gagatccggt ctggcgcgga tttcattaag atcatgggca gtggcggggt gtcaacgccg 360
acggatcgat tggagcagct acagttcacg aggcaggaga tccaggccat cgtggagtgt 420
gcagagaacg cggggacgta tgtcacggcc cagcctata cgcctaaagc catgctgcat 480
gcaatcgaga atggggtgaa gggattgag catggaaatt tcgtgactga ggaggtggcc 540
aggatcatgg ttgaaaaggg tatctacctt acgcctactc tgatcccttt agtagggtta 600
attcggcgcg cgatcta 617
```

<210> 21363
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21363

```

tgggggacag aagcagcggg tgaatatcgc tcgagccatc tacttcaatg ccgagcttgt 60
tctcctcgat gatccccctgt ctgccgtcga tgcccatgtc gggcggcata tcatggacaa 120
agccatttgc ggcttgctca aagggcgctg ccgcattctt gccacgcacg agctccatgt 180
actcagccgg tgcgaccgca tcgtgggtcat ggacgacggc cgcatacacg cagtcggcac 240
attcgatgaa ctctctcgag acaacgacct cttcaaacag ctcatgtcaa cggcttcgca 300
agactccaaa gaagatgagg aggaagccac cgaagtcgtc gaggaagaag ctgaaaagca 360
ggctcaacag gaaccacta aaccggcagc agctctaata caacaagagg aaaaagcaac 420
cgattccgtc ggctggactg tatggaaagc ctacatacgc gcctcgggca gctacttcaa 480
cgccctcgcc atcctcttcc tcctcgctt tgccaacgtc gtcaatgtct ggacaaatct 540
ctggctctcc tactggacat ccaaccacta cccctccctc tcaactggtc agtacatcgg 600
catctacgcc ggactcggtg cgggctccgc cctaaccatg ttcattcttct cgacctacat 660
gtcgactgcc ggcacgaatg cgagcaggca gatgttgcaa cttgccatga cccgagtcct 720
tcgcgcaccc atgtccttct tcgacacaac gccccttggc cgcataacca atcgcttttc 780
taaagacatc ggcgtaatgg acaacgagct ctgcgatgcg atgcgaatgt acgcaatcac 840
catcacaatg                                     850

```

<210> 21364
 <211> 809
 <212> DNA
 <213> Aspergillus nidulans

<400> 21364

```

atcatggccg ttgtatcac caagatcaca gatcagttcc atgcgctcaa tgacgtgggt 60
tggtacgcct catcttatct tcttaccact tgctatatgc aactcctgcc ctaatcgttt 120
gttagttgag ccaaggttct gaaccaagtg tttactagca attcaactac tgtacgggaa 180
atcttatacc ctcttcaata tcaaatgggt ctttctcaca gccctgttaa tattcgagct 240

```

tggttctctg atttgcggtg ctgcaccgac ttcaaccgtg ctgattgtcg gttgtgcagt 300
 tgccgggccta ggaagtgctg ggattgtcac tggagctctt gttacgttgg ctacactgt 360
 accactggaa aagagaccta tatttttttg cctcattgga tggatgtatg gaatttctac 420
 tgttgttgct ccactagtat gtcagaagat aagagcctcc tttggggcgt ttccgcacgc 480
 agacctctgc tgacatttag gctcttgcta gttgggtggc gcattcacag acacgcgacc 540
 tgggtgctggt gtttgtatat cagcttacct atcggatctg tgaccactgc cggcctcttg 600
 acgatgctca agttgcccc acggtctcct cccagcagt actccttggg gcatacagt 660
 agggcacgcg acccgctggg aaccatgac tttgtgccag cagaatatct gtcttctcct 720
 gcctctccat tgcagtgggt tcaactctcc gtgggttaaaa gcctggatca tcacctcta 780
 ttctctgccg ggtgtgtgct tttaacgtc 809

<210> 21365
 <211> 496
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21365
 gactaacatg gctgtcgttg cctttgacca cctcccccca tcgatactgc aaaaagctgt 60
 acaagtgatc ctgtctgacc accatttctg ggggtgggctg cgcaagtcgc aaaccctggc 120
 atctatctgc acgatttggg ggatgagact gtccatgcac agcaacagcc atctagggat 180
 cagtctggca gcaatgacac acttgccgc agcgacgccc aacctggact acgcgtgcga 240
 tacgcactgg ccgtggaaaa ggaggacga ggacgtcatc gtcgatccgg aaagggcgct 300
 gaggtgggtg aacgggggca ttgaagtgcc gcgggcaccg gggttgggca ttgagcttga 360
 tcgagggcag ttgtggagat tgcacgga gtatctggag tgtggcattc gggaacgaga 420
 tgatacctcc tatatgaggg ggtttgagcc gaagtttgat gcgagtatac cgaggtgggt 480
 acctgaggct atacgc 496

<210> 21366
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21366

ctgacgaaca cagtgacccc cttcgctctt cacactttct gctcgaacaa gccgtgtcac 60
 acggcgtgaa gctgcaccaa cccagcagag caaccttctt agtaacagac tcttcaagga 120
 tggctactgc catcaagatc tctaaccacg ccacaaaaac cgaatcaatc cttccctgca 180
 ccaacataat cattgcggcg cgctcctgga cccctagcgt attctcatct ctcttcccct 240
 cttcgacaac aacattttcca atctaccctg tagcaggata ctccctgggtc atccgctctc 300
 cacggtacac agaaagacac gaaaaggaac tcaacggtga aagtcacgca gttttcacga 360
 cgcacccgcc ctcttgcgga ttcagtcctg aaatcttctc ccgtgaagga agcgagattt 420
 acatcgcggg tctgaacagt cgcgaaattc cggttccgga gcgtgtggag gatttgaagg 480
 agcgctacta tgatgagaag gagatgcaga agcttaaaga tgtcaccgtg agacttatgg 540
 gcaaactccc gtcgggaaga ccgaaacagc tggtgaaatt cccacctcaa atgatctgta 600
 tatectccac aaagggtcttt gtctccggcc cgttacggaa cgcggcgtgc cgtttgtgag 660
 caaggtggat gactctactc tgggtgggtat taagactgct cagaacggcg gcgtgtttgt 720
 tgccggcgggc catgggccat ggggcatctc attggctctg ggaacgggca gtgttgttgc 780
 ggatttagta agaggggtta cacctgctgt tgatgttcgt gggttagggtg tgggggatgg 840
 gaaagtgaag 850

<210> 21367
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21367

gttatgatca gtggtgaagac tcttccttgc tttagggctt ttgacacaaa tccgatggct 60
 ggtggatatg tctatggctg attcttgacc ggtattaaac cccaagaata ctattttcac 120
 gccatggccg gtcgtgaggg tctgattgat actgcggtca agacttcccg atctgggttac 180
 ctgcagcgtt gcttgatcaa gggatatgaa ggcttacgag ccgagtacga ctccctcagta 240
 cgtgaatctt cggatgggtc tattgtccag ttccctgtatg gagaggatgg tcttgatatc 300
 acgaaacagg tccatctgca ggacttcgaa tttttggcgt cgaaccacgt ctccataatg 360
 gagcaagtaa acttgaagaa acaccacaat aatctggaga aagaggcggg ggcgaaactgg 420
 cacaaagatg caatgaagaa ggttcgcaag actggaaagc tggatgctat ggatccgggtt 480

cttgcctcttt accatcctgg gggtaacctc ggtagcacat ccgagtcgtt cgcccaagcc 540
ctcaagaagg tatgttttcgc ccctaccaac ttattgttcc acatagacta atagggtttt 600
gtcaacagtt tgaggatgaa aataagagca aactccttaa agataagaag aaaggcatcg 660
aaaccagctt gaccaagcgg gcattcaact ctttgatgaa tatgaagtat atgaactcag 720
ttatcgaacc cggcgaggct gttggaatta tggctggaca gtcaatcggg gaaccgtcaa 780
ctcaaatac actgaacacg tttcacttag ctggacactc cgcaaagaac gtcacgctcg 840
gtattccgcg 850

<210> 21368
<211> 519
<212> DNA
<213> *Aspergillus nidulans*

<400> 21368

tcaagcagca cgacccttcc ttgaacgtgc tgctacttga agcaggcgtc gacccttcga 60
acaacccgaa cgtcaagact taccaccac tcttctctct actgggctcc gacatcgact 120
ggaaatattc cactaccccc cagccaaaca ccgggaacag aattcactcc gtccacgctg 180
ggaaggccct cgggggtggg actacgatca acttcggcgg ctggagtcga ggagactcgg 240
ccgactacga tctctgggcg agaactgtca gagaccagcg atggggatac cagggccttc 300
tgccctactt ccgccggtcg gagtcattct tcgatcgac gcccgacgtc caggagcatg 360
gctttgaggg ccctgtgcgt gtatgcgcag tgtctgcaag tgatcccaac aggcaatata 420
cgatgcgagg gccagtcagg gatgcgtgga ttgagattgg tgaacaatac aaccctgcac 480
ccggaactgg ccgattgtcc ggggtggtgg aattccatc 519

<210> 21369
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 21369

atggaatctg cgtcaaagta ccagatgcca ctgttcgaga ttcttcgcgc tatcgggtct 60
gagaactccc cgatatttaa cactgccttc agatatagaa aatcctcatc gaatgcggcc 120
gttttcaaca acgctgttct tgacccagtt aatgaggggc tgaatgagta cctcatttct 180

gtcaatgccca gcgtctctgg ttcttcagca gaaatcagtt tcgactacca gtcaacgagc 240
 ctctcagaaa cggatattgg tcatataatc gactgttttg aatgcatcct taactccatt 300
 ctcaactctgc ttggaccaag ccgggtgatc agagatgttg agttcttttg ccgacaatct 360
 tgccagaaag tgagcgctg gaacgcatct ctctctgaac gaccaaagcg gtgcgctcac 420
 acgatcatcc aagatcgagt aattgcgcaa ccttcagcac cggccatatt ttcattgggat 480
 gagaacttta catattcaga gcttgactct ctgacaacta agcttgcata ccatctcatg 540
 gattgggggtg ttggaccaga agtattcggtt ggggttatgct ttgagaagtc agcttgggct 600
 gtcacgcgac aagttgctgt cctaaaggct ggtggagcct ttgcatcctt agaccctgct 660
 caccgcgaaa gccgcctacg aggccttggt gatgacattg cggccccaat cgttctgtgc 720
 tcgactagat atctggacaa atcgctgagg atttgcattg ctgcactagc tgtgagccac 780
 tatacccttg agcaaattcc agattcgcca gccacgagaa gtctgcccac ttttaagtgtt 840
 gagaatgcag 850

<210> 21370
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21370
 atcatgccat atctaaacag ttagcggaca ccaggttgct taatcggctg ttgcaccacg 60
 tttcagagat atggtatgct gcgctgaatg tgcttgccct tacccttgct gtcgtcatca 120
 tcacggcctg gccaacatcc gtaagttggt gccacaacgc ctcttttagat tcaaattatt 180
 gagattgacc ttgtatcctt gacatgcaga caaatgttgg agtcatcttt gtggcggttct 240
 gtgtttcagc agccttcttg gttccagtcg gtcagattta cgtcttcaca gggattgcta 300
 tcaacctaaa gtacaaccat cctcctctct tttccattg aagtatatgg aagctgacct 360
 tgggcgcgca tagtgtgctg tcggaatctt tagggggcct atggacgcca ggaaatcccc 420
 tttcagtcaa ctttttcaag ctatacgggt acgtaccaga accctgctgc ttcagattct 480
 agtccactga tgtgaccgca cccttctga caaccagata caccaccctc gccaatgcgc 540
 tgccattcat tagcgatctc aaactggccc actatgctaa gcttccacct tggcatacct 600
 tttcagccca ggtcattgcc acggtcgtat cggcggttgt gtgcacagcc atgcttaact 660

atcagatcaa tgagattcct gatatttgcc aaaggtttga tccaactcca cccggcggtta 720
 tcccactaac tctctatcgt tcataccaac agcactcaga aggatcggtt tacctgccct 780
 ggaaataata catatttttag tgcctcggtta atatttggtta gcacccgcgc tggtatcccg 840
 tatggccct 850

<210> 21371
 <211> 576
 <212> DNA
 <213> Aspergillus nidulans

<400> 21371
 ctctacacca gtatcaaccg tatccccaac gccatgaaaa gcccaattcc cctcttgac 60
 ggtactggct ccatcccccc aattggcctc ggaacctggc aaagcagcgc caacgccacg 120
 tgcctcgag tgaaacacgc cctgcaacat ggctaccgcc acatcgacac ggcgctgaac 180
 tacggcaacg aaaaggaggt cggacagggg atccgcgatt ccggcatccc aaggaggag 240
 atctgggtga cgactaagct cgataaccat tggcatcacc gagtccgaga gggactggaa 300
 agttcgttga gagacttggg gctggagtat gtggatttgt atctcataca tttcccgctg 360
 tcgacggatc cggaagatcg atcaaaacat ttgaaggact gggattttgt acgaacttgg 420
 tgtgttctat tagcattcgc gtcctcggtta tgacggatgc gggtggtgat taggtgctca 480
 ttgatgaata taggcaggaa atgcaaaaac tcctgggtac gggaaaagtt cgccacaatg 540
 gcgggtccaa tttcccaatt cccaatagta gttgta 576

<210> 21372
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21372
 tatgcaacga aacaatcact gactggtcta gccggcatte ctaatgtcta ctactttggc 60
 caggaaggtt tacacaatat cctcgtgatt gacctgcttg gtcccagttt ggaggatctg 120
 tttgatcact gcaaccgacg cttctctgtg aagaccgtcg tcatggtcgc caaacaatg 180
 gtgagttttc catgctgact tgagaaaaga gaaatgcgtt cctgactttc ttagctctct 240
 cgagttcaaa caatccacga gaagaatctg atctaccgtg acataaagcc cgataacttc 300

ctcatcggtc gcccgaaactc caaggccgcc aatgttatcc acgtcgtcga cttcggaatg 360
gccaaagcaat accgggatcc caaaaccaag caacatatcc cataccgtga gcgaaagtgc 420
ctgtccggtg cagcgcgcta catgagtatc aacacccact tgggacgcga gcagtcacga 480
cgagacgatac ttgaggcctt gggccacgtt tttatgtatt tccttcgagg tggtttgccc 540
tggcagggcc tgaaggctgc caccaacaaa cagaagtacg aaaagattgg agagaagaag 600
cagaccaccg ccatcaagga actctgcgag ggatttccag gtttgttcat cgtcgaaccc 660
tccccggctg tgctgaccac gtctagaaga attcacaaaag taccttagct atgtgcgcaa 720
tcttggtttc gaagacaccc ctgactacga ttacctgcgg gatcttctta ctcaggccct 780
caagaacgct ggggaagttg aggatggaga gtacgattgg atgaaactga acaacggctg 840
agggtgggaa 850

<210> 21373
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 21373

caagcacgaa tgtccgtac gaagtccagc tcaagggctg tggaaggacg ccgtactccc 60
gtttcgcaga cggaaggct gtgctacggt ctagcattcg tgaatacatt gtgtcagaag 120
gtatggtaca attacttcta gatgtagttg caataagtaa cacgtgcatg tacagctctg 180
aacgcgctcg ggatccccac caccagagct ttgtcgctaa cgctcttgcc caaggcaagg 240
gttctgcgcg aacgcacga gcctggcgct atagtttgta ggtttgctga atcttggtt 300
agattcggga cattcgacct accacactcg cgcggtgacc ggaacatggt caggaagtta 360
gcaacgtacg ttcgcgaaga tgtgtttaat ggatgggaat cactaccagg cgcagtatca 420
gtaggtaagg accagcaggc tgactcagtc gaagatcctc ccaggggtct tcttggggac 480
aaaattcagg accaccatgg tgtggaagag aaccgatttg ctaggcttta tcgggagatt 540
gcccgtcgca atgcaaaaac cgtggccgca tggcaggcat atggcttcat gaacggagtc 600
cttaacacag acaacacatc agtctatgga ctttcaactcg attacgggcc ctttgctttt 660
atggataact tcgatccaca gtacaccct aatcacgacg accacatgct gagatactcc 720
tacaagaacc agccatcggc catctggtgg aacttagtca ggctggggca atgccttgga 780

gaacttatcg gcgccgggcc ccagggtgac gacgaaaatt ttgtaagcaa ggagtaacag 840
aagatgctgc 850

<210> 21374
<211> 533
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 21374

caaggcaaca acacatgtaa actttattcg cgagacgctc ccctttgggg ggcttgaggg 60
acatgctgtc acanccgggt cgaattatga gtggcataca ggcacggtgg ttccactgaa 120
gcgaatgaca tgaactaata cgaagtcttt tggcaaccaa ggatgctttt cggacgcaaa 180
aatggcgacg cacttgaagg cactttccac atatacctta ccagccattg aaagggggca 240
ggtggccctt ggctgtacaa cgggagtgtg cactccgttt acagactcct ggggtccaaa 300
taccgccacg tctacggtgt ctacactggt atggagaaga tctattacgt gggctataca 360
cgccgctgca cgcataccga cagcttccga ggcctctctg ttactatcct acggttgccg 420
tcagactgga gctctggcca accggattta atggaaagaa ctgctagcca gtgaagagcc 480
agctccactt agagcggaca gagccagggtg gagactaggc ggatgaggtg tag 533

<210> 21375
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21375

acgaaagaaa tacaatattc gcaatgtaaa attgtcggta atgggtcgtt cggagttgtc 60
ttccagacaa aaatgatgcc cagcggcgag gatgctgcca tcaagcgggt tctccaggac 120
aagcgtttca aggtatgtgc ccattgttgg agctcacctg cgtgctcgcc cggccactcc 180
ccgctgacgc tgagcagaat cgtgaattgc aaatcatgag gattgtgcgc catcctaaca 240
ttgtcgagct gaaggctttc tactattcga atggcgaaag ggtatgctcc ccaattaaca 300
gtgttttagct gcatgtcagt gctaaccctg gtatggatc gccgcaaag gaccaaagtg 360
tacctgaatc ttgtcttaga atatgtaccg gaaactgttt atcgggcgtc tcgctacttc 420
aacaagttga agacaaccat gccgatgttg gaagtcaagc ttacatcta ccagctattc 480

cgttcgctgg catatatcca ttcacaagga atctgtcacc gcgacatcaa gccccagaac 540
 cttcttctcg accccgctac tggatcctg aaactttgcg atttcggatc cgccaagatt 600
 ttggtcgaga atgagcctaa cgtatcatac atttgctcgc gttactaccg agccccagaa 660
 ttgatatttg gtgctacgaa ttacacaacc aagatcggtg aacatccacg gcaccttgga 720
 ttttcatgga caagctgaca tttatagacg tatgggtctac tggctgtgtg atggccgagc 780
 tgatgctcgg gcaacctctc ttccctggag agtctggaat tgatcccttt agtgagggtt 840
 aattcgcgcg 850

<210> 21376
 <211> 719
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21376
 aaggacatga tataccgccg cgtaggcaac tcgggattgc atgtctctgc gctgggactg 60
 ggtggttggg taacgtgagt tttcccgaca ctcttatcca ggtctgggct ctgacatctt 120
 cttcgcacag cttcggagga cacgtcgaca acggtactgt tttaaattgt tcgcagtga 180
 gcaggggaga aggctgactt atgccatgca gaggttgctt tcaaattgat gaagcaggcg 240
 tacgactgcg gtatcaactt tttcgacacg gcagaaagggt aggccagcca ctggccggga 300
 actgtaaaca taaaagact gacgcacaaa gctacgctaa tggccaatcc gagattgtga 360
 tggggcaggc aatcaagaaa tatgggtgga aacgaagcga cattgtcatc agcaccaaag 420
 tgagttcaga agtcaccgta gaagctggcc tgtaaaataa cgcgataaca cgtcgtcagc 480
 tcaattgggg actggcaaact ggggagatcc ttatcaacaa tcatggtctc tctcgcaaac 540
 atatcattga gggcaccaaa gcgtcgctcg agcggctgca gctggaatac gttgacatca 600
 tttatgcca cgcgccagat agactcacac caatggaaga gacagtgaga gcgttcaatt 660
 tcgtgattga aaagggtggt gccttttact ggggcacatc agagtgggtca gcggacgag 719

<210> 21377
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21377

cctcagttgt ctgtgtctct tcggtcggca ccgggattgg acgtgtatac atggaggagg 60
aggggtttgg agcgaatcca gtcattgatt ttctgaaccg ccacgggtgca ccccgagtcc 120
agagacagcc gctcccacgg gcaggctgga ctggcgatga cgctgcatct atatcgttta 180
ctgccccctgc ccaaagcgag gggtatgcaa tggatatctgg agatacaaat cctattcacg 240
tttgccctct gttctctcgt tttgccgggc tgggtcagcc tgttgtgcat gggctgcacc 300
tgtctgccac cgtgcggcgg attctggagt ggatcattgg cgacaatgaa cggaccctgt 360
tctgcagctg ggcgcctcc ttcgatggac ttgtccgggc aaacgaccgg ttgcgaatgg 420
agatacaaca ctttgcaatg gcggacgggt gtatggtggt ccatgtaaga gtgcttaagg 480
agagtacggg tgagcaagta atgcatgcag aggcggtact cgagcaggcc cagacaacat 540
acgtctttac cggccagggc acgcaggaga gaggaatggg gatggccttg tatgatacga 600
atgctgctgc acgagcagta tgggacagag cagaacggca ctttagatcc caatatggtg 660
cgttacctcc tcaacccgag ctgcacagaa cgggcaactc taataccgat tacaggcatt 720
tcgtccttc acatagtcg tgagaatcct acgagcctta ctgtcaactt tggcagtcgg 780
cgtggtcggc aaatccgtga tatttatctt tctatgtccg actctgatcc atctatgctg 840
cctggcttga 850

<210> 21378
<211> 584
<212> DNA
<213> *Aspergillus nidulans*

<400> 21378

ccccccaaa tataagaaaa aaccccgggg ggaacaaaaa aaatacacgc ccccttctc 60
caccctccta gtaatccac catccaccaa ccccccccc cgggggggttt tttaaaaaaa 120
cggggggctc aaccaccacc acacagctct ggatctagac ctccataatc actccctgca 180
ccccaggcta aactgcttag acaccaccac cacctaccca aagcgctcgc aaccaacacc 240
accctacac ctccaactca ccaaacaag cccaatcaat gccaccaccc cctccacccc 300
cctccgcta caaccagtc acttataacc aaactactaa accccctca atcaacctac 360
agcacgcac accctacccc ctaccacc taaccgagct ccccttcccg ctcccccaag 420
aacaccctct ccactacac catctcctaa ctccacacct aaaaccctga aactgacaaa 480

ctaaccaccc tatcccccca gcatggtcta cccacttcc aaatcacccc ctaccgcac 540
caacttaacc accatccttc ccataacctc cccaaacctc catt 584

<210> 21379
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 21379

cttccacttc ctgacgtcga gtctctggca gactgcgttt cgttcaacca tgccgtgcga 60
ccatttctgt cgcaagtggc tgcgctccct gaacgtctcc agcctgcgat tgcagcaaaa 120
gatgtaaagt ctcttaagga catctatctt tccaccaatc cgcttgcgac cgcgcttgca 180
tttactatct tcctctctgt tctcttcacg gtcttctctg agatcaaccg caactactct 240
caggtcgacg gcttctgggc tatectcccg tccgtattca acgttcattt tgctgtttgg 300
gcacgccttt ccggccttcg tactctcaac ttggatacta tcgcagctat ctccgtcata 360
tggagcgtat gttttatcgt ctctaccagt ctcaactgag ttctaattta tccaggtgcg 420
cctgaccttc aactactggc gtaggggtgg ttacagtatc ggctcagagg attacgctgg 480
tctattatcc ggtcccgtgt 500

<210> 21380
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21380

tcttgagcgc cacgatgcgc cggggacaga gacaagtagc cgcaattcag aggtatttta 60
tcattctatc agccaccat atccgccac cacttgcttt tttttttttt tttgaacttc 120
atgcagctac tgaactatca tctcccaggt aatccacgcc ggcctttact atgggaaaga 180
cacgctaaag gcgtccctct gcatccgcgg caagcaactc ctgtattctc tttgtgcaga 240
gcagggaatc ccataccgca acacgaagaa atgggtcgtc gcgcagaacg aagagcaatg 300
ggacgtaacg atgaaggttc acgagctcgc gaaacaactc ggcatcccaa cacggctaata 360
ctcgcaaaat gaggctcgag agcgagaacc cgaggtgcgg gggcgcgcgg gaatcctgga 420
gagtacgtcc acgggaatag tggatagtca tgcgctcatg acgtatttgc agggcgactt 480

tgaggataag ggcggcgact gtgcgttcct tactgaagtt acaggcattg aaccactggg 540
 tgggggaaga ggcgggtata gaattactgc acgctcagga tcagggccag agagcgaaac 600
 gacgtctatc gtcgccgaga cggtcacaa cagcgcgggt aactactcct gcaacattaa 660
 taatatgctt ctcccggccg agcgccacag gacaccatac tacgcgaagg gcacatattt 720
 ttcttactcg gcctcctttc caaccgggc tccctcgtg ctgctctacc ccgccaccct 780
 cccaggaact ggcgggctgg gcacacactt aacgctcgac ttgggcggcc aaatccggtt 840
 cgggccagat 850

<210> 21381
 <211> 765
 <212> DNA
 <213> Aspergillus nidulans

<400> 21381
 atcgcccta aatggagaga tggcgctcatt actttcaaga atgtctttgt atcgaggcga 60
 ccgggtcaag cgacaggcca tgtcagtaaa ggctcatcaa agactgcagc tgccgctgcc 120
 gccgctgcac atctgggtga tcaatccggg gccgacttat tagagcagcg catttcgtcc 180
 gaggaagagg aggatactaa ttacacgcaa ttcgaccttt caatagaaac agtcaacgta 240
 acactatcat ttggcaggtg gatcaacggc aaaggactcc ttcgcgacgt tgagggtgaa 300
 ggggtgcgcg gagtgggtga tcgcagatcg gtgttttggc ctgatgaacc tcgcgatcct 360
 aaatcatatc ggcacgagca taatcccggt gacttcgaaa tcgactcctt caaatgagc 420
 gacttgcttg tgaccgtata ccagcccaat aactttagac cattctcggt aagcatattc 480
 tcctgcgac ttccgcagtt gaggaacag tggctcttct acgactttct atcggccaat 540
 atgatgtccg gatcctttga caactcttta ttactattc atcctcgcca aactcatagc 600
 ttactggcg cgcaacttgg caatgaggca gaagaggacg gcaaaccgac cccttggaag 660
 aaacacagca ggattcgcat tgatggattg aatattgatc atctcaaccg tgggggtgcag 720
 ggtccatttg gatggattca tgaaggcacc gtggacaatg tgtac 765

<210> 21382
 <211> 646
 <212> DNA
 <213> Aspergillus nidulans

<400> 21382

aagaaaagaa ggggccggac ccacccccag gccagaaga acggaacgac acgaacaccg 60
cagaggaaaa aggcaaaagc ggccgcaggg acaagcgacg gaatagacag cgacggggga 120
cccggggcaa acccgcaggg acacgcccc aagagacccg agagcaaaca aacacacagc 180
gaacgcaagg ccacggaacg ccacagaccc acccaacgaa acacgagagc ccagctcgca 240
gaccgaaaaa cgaaaggggc aagcgccgag gggcagaccg acacaacgcc aagaacaaaa 300
acgccaatat gcgcaaccaa cgcgcaagcc ccagcgccac cgacgagaaa agcagcacc 360
cagagcccac aaacaaaagg ggaataaggg cccgcagaca gaacaaagac gacaggcgcg 420
aggaccacac gcagcccaag caaacgcagg gcccgaaaa cagcaacctg agcacagacc 480
caaaaagacg cgagccccag ccgaacaagc aagccgaaac taacaaccag aaaaccaggc 540
agccaaaaag gaaagcgaca aacggcggac aaacaaagac aacagcgaag acgcaacgag 600
ccccaaaaag gaagaaaaaa aacccaaaac gacccacgc aaggac 646

<210> 21383

<211> 310

<212> DNA

<213> *Aspergillus nidulans*

<223> unsure at all n locations

<400> 21383

tctatttgtg tgtatctctg tttgtctgtg tatctatata tgtatctcgt tctatatctg 60
tatgtgtatn tgtatgtatc tctgtatata tatatgtatc tatctgtcta tgtctgtgtg 120
tctggtatct gtatgtgtag ttattgtgtc tgtgtatgtc tctctatgta ctattctgtc 180
gtgtcttgtg tatactctatc tgtctcnatc ntntgtttgt ntccgtctgt gtgtgtatat 240
ctatgtgtat ctctgtatct gtatatctgt atgtatcatc tgtgttgtat ctatatgtgt 300
atctgtatat 310

<210> 21384

<211> 502

<212> DNA

<213> *Aspergillus nidulans*

<400> 21384

aggctcgcca ggaattagaa gattaagtta agtaataata tataaatatt agataagata 60
 ggtctttact aggggttaaaa tgactttatt cctgctagta ctccttatat aattagctaa 120
 tattaattac ttatcttaga tagctataga agctatctaa taccttaatt taacaagttc 180
 tataagaata atagtataat atctctttat atgcctgctg gtttatctta tctattataa 240
 ttattagata ttggctgggtt tggctgctga aagtatatat atagaggtct tattaaatca 300
 agattatacc ttagcaaata ctatattaat aagtttgact ttttagaggc ctatccccctg 360
 tatatattaa aatattttta ataagaaaaa tatttagagc agctttgctg ctacagggat 420
 agagctatat aatctagata agattcttag taaactttat atattacttt ttatattatc 480
 tccccccctg gtatcaagca gg 502

<210> 21385
 <211> 575
 <212> DNA
 <213> Aspergillus nidulans

<400> 21385
 atcatggcca cctgtcaagc cctcgtcttc cacggcgcaa aagacctccg cttggtatgt 60
 acccctcccc cgccactct ataaaagccc caaatctgga ctaacacttt catcaggaac 120
 ccagaccggt ctcgtctccc agtgacggag aagttcagat cgccattcgc tcaacaggta 180
 tttgcggttc agacctgcac tactacagcc acggccgcaa tggtgacttc gttgttcgcg 240
 agcccatgtg tcttggccac gaatcttccg gcctcgtcac agccatcggc cccaatgtac 300
 acaacctgaa agtcggtgat cgcgtcgccc tcgaagtcgg tcttccctgc cgcaaattcg 360
 ccctctgttt gtcgaacca agccgctaca acctctgtcc ggagatgaag ttccgcagct 420
 cagcgaagat attcccccat ctggacggca cgctcatgca actcaccacc caccctgaga 480
 acatgtgcca taagcttcct gatactgttt cgtacgctgg tggcgcgctc gtagagccgt 540
 tggccgctctg ttacacgct atccgcccgt cgaac 575

<210> 21386
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21386

gggattcgtc gtgcaatcag ggtctactcc cgtgagggaa ctctggatag cgtgagtggag 60
 ccagttgatg gcctagaagg ggctctcagt tggagaccgt acggaaatct cattgccggc 120
 attcagaggc tcgatgaccg gattgatgtg gtcttttttg aaagaaacgg cttgcgacat 180
 ggccagttca ctcttcgttt gaccgaagag gagcgatcta cgtgggcatc aaacattcat 240
 ctgagctgga atgtggactc aacagttctt gcagtacagt tcaaggacag aattcagttt 300
 tggacctcgg gcaactacca ctactacctg aaacaggaaa ttctgtgat agtaagctct 360
 gagggccctt ttgcgtacaa atggcaccat gaaaaagctt tgcgtttcgt tgcaggagcc 420
 tctggtatgt cctgtgttct agtgggataa gatttaattc agactaatgg ttctgcagag 480
 tcaatcttag acggcgagtt tgtttttaa gtttttcacg gttcaaccac tctcctaata 540
 gatgttggag ctgttgcgtg tattgatgga agtcagtatt aggtacacta cctgtgtaag 600
 gtctcatttc gttaactctc acagaaactc tgaagttgac gcctctgaaa ctatccgcgt 660
 tccgccccct atggctcaca atgaacttcc tcttgatgcc aatgctattg atgtagcgtt 720
 tagcaagtct gggacaagga ttgctgttct aatgaacgat cacttctctg tttatctatg 780
 gtccctcaaa tccagaccgg tgctgttcc gatcctggag tccagctatc ccttatccgg 840
 tgaaataggc 850

<210> 21387
 <211> 831
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21387

tcttcagtaa ccacggccgt gtccgcccc ggcaagggtg tgctcactgg tggttacctc 60
 gttctggacc ggaattacac aggcaccgtc ttgctctca atgctcggat tcatgtcgtc 120
 gtggaacaat tgcgaaagg gcaaaaagta caaacggaa gcgccgaagc tgagaatgac 180
 aatgtagacc tgattgtcgt tcgctcacct caatttggtg gtgcagtttg ggaatatgct 240
 attcagcgcg tcgacaatgg cgggtgggac aagggtgtac agaagaacga tgggtgagca 300
 tcccgaattt gattaatgaa tatggctaac aatgttaagg cgtgcaatcc ttttgtcgaa 360
 acatcgttga actacgcttt aacttatatc agctacgtgg ccgattccaa ggattttgga 420
 tcaactgtcta tcactatcct tgctgacaat gactactact cggaacaggc attctcaaag 480

gcttcagagc gcaaggcggg gggattcgta aactttggtg ttcctctcca tgaggcgcac 540
aagactggtc ttggttcatc tgcagccttg gtcacttcgt tgggtgccgc gatggtaatt 600
catcggacca tgcagccgga tgatcttggg gcggtcctg ataaattgca caacctggcg 660
caggccgccc attgtgctgc tcaaggaaag gtgggggtccg gattcgacgt tgctgccgct 720
gtctatggct cttgcctcta ccgcagattc tccccttcca tcttgaatc cgctcggtgat 780
gcgggtagcc ctggatttga agaaaggctt ttcaaggctg tggaggatgc t 831

<210> 21388
<211> 553
<212> DNA
<213> Aspergillus nidulans

<400> 21388

gtaaaagtat tgccaaaacc ctgttacaga ttaccaaca atccctaagg aaaacatgcc 60
ttccttaagc aaagcctcca acgttctttt atacgcgcac cgcctaaacc cgaaaacgcc 120
gattgaagag aaccataaaa gcgctcgccg aagctgaaag aggagggcca agatccgcct 180
ataccgggct caacgaatgc agttccgatt ctctccgccc cgcttgcaaa gtccatcacg 240
ttgcagctgt gcaggtagag tacagcccct tctcgttga aattgagtcc gagcagattg 300
gcctcttgaa aacggcaagg gagctgggtg ttgcagtcgt tgcgtattcg ccccttagcc 360
gggggatact ttccggccag atccggtcac gcgacgactt cgggcccggc gatctgcgtg 420
ccatgctgcc gcgatacagt ccagagaact tcgggaaaaa tctcgaggcg gtcgataagc 480
tggccaccct ggccaaagaa aaagggtgta cggtcagtca gttgaccctc gcgtgagctg 540
ctatcgagg aga 553

<210> 21389
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21389

aaccgtccca agggatccaa gttgtcatac ctgcgactt tcgtcgctt tggattatc 60
cagctttatg tagtcgtcga tgctctgtat ctgcgtctcc gcgctttcac tggaggggct 120
cccatggatt tcaatactga tgatggatc ggtgcgttcc tgagctcatt cttcggatct 180

agtggagctg gtatcattat cattgctctt gctgcaacat tcggtcttta ctttgttgcg 240
 tcattcatgt atcttgatcc ttggcacatg ttcacgtctt tccccgcata catggccgtc 300
 cagtcgtctt acatcaacat cttgaacgtt tacgccttca gcaactggca tgatgtgtca 360
 tggggtacca aaggttctga caaggcggat gcccttcctt ctgccaagac tacaggaggc 420
 aaaggagaag aagctgttat cgaggaaatt gataagccgc aggctgatat cgatagtcaa 480
 tttgaggcaa cggtaacgc agccctgact ccgtatgtgc cacccgagga gaaggaagag 540
 aagagtctgg acgactcgta caagagtttc cgtacgagac tggttacgct ctggctcttc 600
 agtaacggtc ttctcgctgt ctgcattact agtgagggtt tggataagtt cggatttacg 660
 gtatgttttc gtgcgccta tctattattc gaagtgaac tgacaggatt caacagaaca 720
 cctctactga gcgtacttca cgtttcttcc aagccctttt gtggtctaata gcggttgctg 780
 ctcttattcg ctttatcgga gccacatggt tccttggaac gacaggctct ctctgctgtt 840
 cgcccgctcg 850

<210> 21390
 <211> 462
 <212> DNA
 <213> Aspergillus nidulans

<400> 21390
 gcatacaagt tgcaaaccgc gcctagccaa atgcttatca tgccgaagca tgccattggc 60
 tatcaacgag cggagtctgc ctcaaagcca atctgggtta ctcggtatca agacgacgaa 120
 ctatacgctg ccggtgagtt tacaaccaa agcaaactg ccaacggggg agagacgtgg 180
 gtgcagagaa atgatgttac ggaaaatgaa gacgttgtct tatggcacag taagtagatt 240
 ccttccgtca agctctagca tcttcaagca aatgtggctt ccagacagaa ctgacatttt 300
 atctcagctt tcggtctaac gcataaccgc cgtattgagg acttccccgt catgcccacg 360
 gagcgatca gcgtgatgtt aaaaccggac ggctttttta cgaagaaccc agcactggat 420
 gtgcctcaat cgacgcagaa tttcaacaag tcaacacttc ac 462

<210> 21391
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21391

aattccgaag ttcgactacc aacgacatcc atttgtgccg aaattgaggc ccttgcatcg 60
caaacacctc aaagcattgc tatcgcgagc gagacacttc aattgagtta cgctcgactc 120
aatgacctat cgtcggcctt ggccaactat ctgaccaatc tgggcgcttt gccagggtacc 180
aaggttccca tatctttcga acagtcggag gccctgtggg ccattatctc cattattgcg 240
acctggaaag ctggtggcat ttgcgttccc ctgcgacga acccagtaaa tgcagagctc 300
gaaacttga tgatggctgc tgatcttcaa gtggctctag cttgtccagg cagagcgatg 360
tccttgagg atctggctcc gtacgtcatt ccagttaccg acgagcttct ggggagcctc 420
gaaatcgacg tctcaaagtg gcatcaattc gaggagtgcg cctatgtcgt attttcgacg 480
gaccctatgg acccatcgaa aggccttctt ctgatcatg gcgcgatcgc cgccagttgc 540
cggtcatttg cgcgctccat tccccttggg atgtccactc gtatgcttca atgcgcacat 600
atctcgtcct acgagtttgt cctcgaaatc tttagcacat tgagtcaggg cggctgtgtc 660
tgcattccgc agagtagcag tccagccgac ttgtccaagg cagcttgtga gatgaggacg 720
accactatcc ggatggacca gagtctggct acttctacca atcttgcaga tgcctatggg 780
atgaggcagg tcgtcctcac cggatgatgcg ctgccgctag gtgttgagca actcaggggt 840
ccgcaggctg 850

<210> 21392

<211> 528

<212> DNA

<213> *Aspergillus nidulans*

<400> 21392

gctctctcca tatagtgtgc gtcactcgtg tagcatctcc agaccgtctg gattgatgtc 60
ctctatgtcc tctggtaggc cgtactccac ctctagtcag aacgtatgca cagtctccag 120
atcatggtcg accagggcca ggtgctgtac ctgggcatct cgaacgcacc ggctgtgtg 180
gtcagtgcgc ctaataccca tgctggcgcc cgcggccaga cccctgcag cgtctaccag 240
ggtagttgta atgtgatgct ggctggcctt gaccgggaca ttattcccat ggcccttcat 300
ttcggtatgt gtctggcgcc ctagtatgtg ttaggtgggt gtcgaatcca tagcaatcag 360
gctgtgcagg attaacgcaa ggctggccag tgagtggctc gcttctttgg ccgcagggac 420

cggaccccag atgaggccaa tctgagtgcc gccctagaaa agggggccagc ccagccggaa 480
 attacgtcgg tctcgcccggt ccccttggca tctgtccaaa aatgggttc 528

<210> 21393
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21393

tctgattgat gagtctactc agtctgctga acccgagtgt atgattccgt tagttttggg 60
 atgcaagcag gtcgtccttg tccgtgacca ccagcagctc ggtcctgtta tcatgaataa 120
 gaaggcagcg aaggcggggc ttaaccagtc tcttttcgag cgacttgtca tcctgggttg 180
 ctgcctatt cgctgaacg tccagtaccg tatgcaccca tgtctttcag aattcccctc 240
 caacatgttt tacgaggggt ccttgcagaa cggattact tcatttgatc gccttcgtcg 300
 cgaggttgat ttcccttggc ctatcttaga tagcccatg atgttctggg cgaatctcgg 360
 aaatgaggag atttcggcat ctggaacatc ttacctcaac cgtaccgagg cagcgaatgt 420
 agaaaagatc gttaccgct tctttaagc tggcgtacag ccaaaggaca ttggtattat 480
 cacaccttat gagggacagc gcagttatat tgtcagctct atgcaggcta ctggtacgtt 540
 caaaaaggag cattataagg agattgaggt tgcacgggtg gatgctttcc agggtcgcga 600
 gaaagatttt attattcttt cttgcgtacg ctccaacgac catcaaggaa ttggttttctt 660
 gagtgatcct cgccgtctaa atgttgcgct tactcgtgcc aaatacggtc tggttatcct 720
 gggtaatccg aagggtctat ccaagcatcc tctctggaat tgtctcctgc agcacttcaa 780
 ggaacgacac actcttgtcg aagggccatt atcgaatcta caggaatctc tcatccagtt 840
 cagccgtcct 850

<210> 21394
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21394

cccatgtagc tcagaatcca acggatagta agctaaacgc ccctaaccct ttccggggccg 60
 cgaaaatata cagtgcctaag tcaccctcta gttcaatccc tcgacgctga tgcctttggc 120

gacgatgcgg tgcttgggtg tgattttgtc ggtactatcg agctgacggg tgacaaagtg 180
 agcagagtca aggttggcac cgtgattgcc ggtctaactc ggggaggtca gtcaccgtct 240
 tggaccagac ttatttcatt cagcatataa actttcgttt gagcaggtga aattaagggg 300
 ttgggtggct atagcgagta caccctcgca gatgagcgta tttgcttccc tttgcccga 360
 ggcatcacgc ccgaacaggc ggcaacagta cccctggccg cgtgcacagc actactcgct 420
 ctattttcca aggattgcct tagcatccct cagaagtctg gagaaacagt ccttatttgg 480
 ggtggaagct gtgagtctaa atgatgcagt gcaccgtatg tgtagcgtgg aaggctcata 540
 tattgcagcg agcgttgggc tttatgcaat ccagattgcc aagcactacg gtctcaacgt 600
 tattacgacc tgcagtcccc ggcatcacga tttggtcagg tcccttgggtg ccactgtcgc 660
 tctcgactgc cgcgacgcaa gagtagtgga gagcatcaag gctgctgcaa actgcagtct 720
 gaggtacgtc tttgacacta tcggcaacag ctcgtcttcc ggtactgcat cgcaggcaat 780
 ctctgagcaa gaaggtagcc tgtgcaactgt tcgtccgggc aaggctttta ccgagaatgt 840
 gaccaagcaa 850

<210> 21395
 <211> 577
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21395
 cgagatctgt ctcgctctgc caaatcgtct gaagggttat tacatgatta cgacaggcac 60
 taaccggact attgccgaat agaaaggggtt aagatggctg aagacggtgg attattggat 120
 atttcgatca aagggggcgt atgtatattg tcgatcgatt aaaggatat catatgtgtc 180
 ctaaccccag gatctacaac aaactgacac ggatccagga gctcatcaag gtcaaagggc 240
 tgcaagttgc cccggctgag ttggagcagt atcttctcac ccaccccagc gtcgccgatg 300
 cagctgttgt tgggtcgagg atgtgagttt gccttcacgt tgccttcgga caatttggac 360
 tgacattgaa cccagaaatg gcgctgagta cccgcgagca tttgtcgtgc gtaaagatga 420
 cactgtagca gaacatgagc tgttcgacat ggtcaaggca cacttcgctc cacacaagtg 480
 gttgacagga ggtgtgtact tcatagacca gattccccgg actggaagcg ggaagatcat 540
 gcggcggaat ttgcctgtta ttgatgaatc cctgccg 577

<210> 21396
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21396

```
ccgcggctga ggaggccttc aagacctggt ccgaagtccc ttttgtggag cgccagaagg   60
cgctgctagc ctttgccgat gcaatcgaga agcacgcgga ggatttctca aagctccttg  120
ttcaggagca gggcaagccc gtacgtccat ttgtcaagac tatagacctg atcccgtagc  180
atcggtgac cgaaacagct ccaattcgca gcctatgaag cggtcgcgtc cgtccagacc  240
atccgcgcgc aggccgagat cgctgagggg ctcaaggatg agatcgtcga agacagcgcc  300
gagaagaaga ttgtcgtccg gcacaccctc atcggtgtcg ccgcggggat tatcccatgg  360
aactttcccc tcgcgcttgc tgtaattaag ttggcgctcg cgctgctaac cgggaaactg  420
atcatcatca agccgtcgcc gtttacacca tactgcgggc taaagcttgc tgagctggcg  480
cagcagtttt tcccgccagg agtagtgag gctctgagtg gtgatgatag gctgggcccc  540
tggtctgacg cgacacctgg aattgggaag attagcttta cgggctcatc ggcgaccggc  600
aagaaggtca tggagagtgc aagcaaaacc ctgaagcggg tgactctgga gctgtatgtg  660
cttcccctgg tgattgacat gatacgggtg ctaacagatg taggggaggt aaggatgcag  720
ccatcgtgtg caaaaatgtc gatgtcaaga gcgtagcgcc ccagggtgagt ccgctctgcc  780
ttcgacttgc gatctctccc taatcccacc aggtggtctc gaagggattc ctcaactcgg  840
ggttgatatg                                     850
```

<210> 21397
 <211> 377
 <212> DNA
 <213> Aspergillus nidulans

<400> 21397

```
tctatatacct cgagcggtag ggcgagttct tcgcgcacct ccgagccgca gaagcactcg   60
ccgatcgagc gggagaccag ttgaccagtc tctacactaa atacagctcc aaccgcactg  120
ccctgacgcc tcaggagcgc ggagaggtag cagagtgggt ggcaagcgtc aagatcgtga  180
caacagatgt cgggctcaag gtaactagtg ggggtgttga ggtcactggg gccagagcga  240
```

ccagtcttag agtcgggctt gatcggtttt ggagggatgt caggacgcac acgctgcatg 300
 atccagtggc atataagcgg agagaggtgg gtaggtatgt gcttctaggg gagcaccgga 360
 ctctacatg gtatacg 377

<210> 21398
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21398

agcttatggg aggtcgtatt ggtctttcga caagaaggct cccaactatg ccggtcagga 60
 taatctcttc tcggacttgg gtgttccgct tttggataat gccttccaag gctacaacaa 120
 ctgtattttc gcgtacggtc agaccgggtc gggaaagtct tactcgatga tgggatacgg 180
 caaggagtat ggtgtgatcc cgcggatttg tcaggatatg tttgagcgca tcaggaagat 240
 acaagaggat aagaacctca cctgcacggg ggaggtctcg tatctggaaa tctataacga 300
 gcgggttcgt gacttgetca acccgctgaa taaaggcaac ctgaaagtcc gtgaacaccc 360
 gtctacaggt ccctatgtcg aagaccttgc caaactcgcc gttcgctctt ttgaggaaat 420
 agagaactta atggacgagg gaaacaaagc gcgaactgtt gctgccacga acatgaacga 480
 aacgtctagt cgatcacacg ccgtgtttac gttgatgctt acacagaaac gacatgatgc 540
 agagacaagc atggatacgg agaagggtgc gagaatcagt ctggctcgatc ttgcccgggtc 600
 agagcgagcg aactcgactg gagccaccgg tgctaggttg aaggaaggag ctgaaatcaa 660
 cagatcactt tctacgcttg gacgtgtcat tgcagctctg gcggatgcgg cttctggaaa 720
 gaaaaaggga aagcaggtgc cgtaccgtga ttcagtactt acgtggttgc taaaggactc 780
 tcttgaggga aattctatga ctgccatgat cgccgcgata tcacctgccg acattaacaa 840
 tgacgagacc 850

<210> 21399
 <211> 797
 <212> DNA
 <213> Aspergillus nidulans

<400> 21399

catggcacca gttgttgggc gttggagagc gagtagctgt atgggcagtc taacaacaaa 60

cttgcatttg ctcatggcta gttctaccga ccaactactg agagatataa gatcatcatc 120
 gaagggaaag cttttccag tgaccatgta tgtctcttga ctgtgcagtc gaacatggac 180
 taattgactc tcctcagtac gcggtcgaat ctcatgcaa gcaccataat ctccagccca 240
 aagatgccat ggttctcatt gaaccgcagg atcctgaaca tccgattctc gaaactgacc 300
 gtattcttcg agtcattgac gagcatgctt caactacggc tttacttctt ctctctgcta 360
 tccagtacta cacaggccag tactttaaca tcgagaagat cactgcacac gccagtcta 420
 aaggcatcgt ggtcggttgg gactgtgccc atgcagcggg aaatgtcgac ttgaaattac 480
 acgattggaa cgtggacttc gctgcgtggt gcaactataa gtacctcaat agtggcccag 540
 gcggaatggc cgggatattc gtgcatgaaa aacatggaga ggtgaaggca ggtcaaggcg 600
 acggggaaact ggaattattt cgccctcggc tttccggctg gtggggagga gacaaagcta 660
 ccagatttct gatggataat cgtatgcaca ccgaccaagg acactaacga gctctgctga 720
 ctattacata aatttcgtcc cccaatccgg ggcggcagga tatcaattgt ccaatccgtc 780
 cgtgcttgac atgaatc 797

<210> 21400
 <211> 315
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21400
 gaaggcagct cttgatcgcc ttcaatggaa aataagaagc ccagccctcc cgggtcaacgc 60
 aagcccaacg tcaagttctt cgaggaccgt ggcagccacc gagggaatgc cggcacttgg 120
 cagggcagca accgaggcgg tagcaacaca tcacaacgcg gtggttacca gagtggaggg 180
 gctagcgaca gtgaaaccgg tcgaggacga ggctttggcg ggcgaggcgg cggccgtggg 240
 cgcggtgacc gcggacgcgg tggacgagga ggccgcggcg ggttcagcaa gggcccgtcg 300
 gattcgtccg ctcca 315

<210> 21401
 <211> 796
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21401

attattctga gattcgagag tcgaaacggc cagtttcgcc tgaatgtcag cccacaagat 60
atgttcccat ctctagaaac aaaggtatga cttaatatta ctctataccc tgtttgggag 120
cgaggtcgtc ggaaaatgct gagttctgag ctgtagattc tggagcatct tccccagac 180
accgaaccat cttcgatcaa gctttccaac aaaccaattg gcgctgctgg tgacgagcgt 240
ttcttgaata ctctggatgg agtgtctttt gagcaagttg ggcttaggtc agggtagcaa 300
ttgcaggaag cggacagtcg ctgatgctgg gaatctaggc acggagacaa gctctacatc 360
ggttatcaat caaagcagga tctccaagat ggtgccagta atgggactgc cgctggctcg 420
tccgctaggc ggttaaacgg agtcctata aatcaagaga ttactccac ttcacgagca 480
caagccgaca gagtgcctc cgttactgtc aagaaccctg gggatgctgt taggcaatcg 540
gctcttgacg accgcttggg gaagaaggat gggaaaattc atcgttctcg cgataacaag 600
atgtgcaaac acagtgcgaa gggcatgtgc gattactgca tgcctctaga gccgtacgac 660
ccgaaatacc tagccgagaa gaagatcaag catctttctt tccattcata tctgcgcaag 720
atcaatgccg caaccaataa acccgaactc aaaagctcat tcatgccacc tctcagtga 780
ccatactata gagtaa 796

<210> 21402
<211> 593
<212> DNA
<213> *Aspergillus nidulans*

<400> 21402

tattttcacc atttctttgc atgtgagagt aaattgtgtt gtttcagcat tcttagacaa 60
atcagtaatg ttattttcta atttcctact gcttttttta aggttttctg atggatatgg 120
aataatacgg gacatagtgc acagccatat acttcagaca atcgcattac ttgccatgga 180
acctccgata agtctcgatg gtgaagatat ccgaaatgaa aaggtcaacc tgtactgtaa 240
agaacaaaat cgtcttatgg tatatatgta agttgtgtac tcttgttctg tcaagtgact 300
tggtgacaaa cctgcttctg caggtgaagg tttaagatc aattcgcaag atagaccgcg 360
gtgatgtcat ccttggccag tataaatcca gttcccgaga caagaacggg gtgatcttga 420
acgggtgtaga ccctacatat tgtgcagcag ccttgtatat tgataatgca cgttgggatg 480
gtgtaccttt ccttgaaga gttggcactg gcctcattaa acacaggtaa gaataattat 540

tectactcat agacatatcc aactgtcata acaattgatt ggtgggatcc tct 593

<210> 21403
<211> 829
<212> DNA
<213> Aspergillus nidulans

<400> 21403

tcaacccgac gaggacacca ctacaggcat caaggccctt ctgcacacg aagcttctcc 60
tacattcccc gcgaagatat ggcataaatg cgggtccgaag ggtgtcaacg agcatgctca 120
gaagttgatg gacctatggc tcgagaagaa cccccatttg cgccatgagc tcctcaccga 180
cgagagcgcc gaccaatacg tccgagagaa ctatgcggat tggccggacg tgctcgaaac 240
atatatggcc ctgcaagtgc ccattctcaa agccgatttt cttcgcgtcc tcattctata 300
cgccgacggc ggtatctgga gcatctcga tgtccaagac gaagttcctg tgcggagtgt 360
tattcctgca acgtctaccg aggatacggg ggaccccgta aacgtggggg gcggcataaa 420
gttcgacgga tggcagttca ccagctggac cattatggcc aagccgcac tcctacactt 480
caagaatgtc atcgagtatg tcgtgaaaca gctcaagaca acggcaattg aaaaccatgt 540
cagtctgtca caagtcacga aagccatggg cggggaggta gtggctgtca ccggcccgca 600
ggctattacg atggcggtgc ttcaaagcgt ctctgaggag accggtcagg atatcacgaa 660
acaacacatc cgccagctga aagagccgaa gtcctcggg gatattcttg tcctaccaca 720
agccgccttt gcagcgctgc aaggtggcaa tccgacggat cagggcccat acctagtatc 780
acatcagtat gccgggtcgt ggaagaacga cgttggtggg gaagaaggc 829

<210> 21404
<211> 538
<212> DNA
<213> Aspergillus nidulans

<400> 21404

ttgttttgct tctgactacc agcgttggtg gtcttggtct gaacctgaca ggtgcagata 60
ctgtgatctt cgtggagcac gattggaacc cgcagaagga tattcaggcc atggaccgag 120
cacaccgtat cggacagaag aaggtggtga atgtctaccg attgattaca cgaggaacac 180
tggaagagaa gatcttaaag taagtaatcc taatcttctg tcttgtaagc tgcatactaa 240

ctttcttagt ctgcaacgat tcaagatcga cgtagcatca acggtagtca accagcagaa 300
cgcgggcctg aacacgatgg acacagatca gctgctagat ttgttcaatc ttggcgagac 360
agcggaaaac gcagagaaac caacagagat aggcggcaaa gaagtcgaca tggttgacat 420
tgacggcgaa ttgaaggaga agggcaagaa ggggtggctt gatgatctcg gcgagctgtg 480
ggacgaccga cagtaccagg aagagtacaa cctggactcg ttcttgtcta ctatgaaa 538

<210> 21405
<211> 688
<212> DNA
<213> Aspergillus nidulans

<400> 21405

cagacccaac ccaacacaat cgactacatc gccctgacct tcctttcact cgtcgcaggc 60
acattttctca cccggggcat cctctgggac cagccagacc cctacagaca tcttctttac 120
gaacggcctc agctcaaaca cggcattggc actaccgcaa acagtagaca gcagacccgg 180
aacatcgccc gaaggttgga ggagacgaac tcgcccattg tcgtcttctg gggctctcag 240
tcagggacgg cagagtcctt tgcacacaga cttgccaggg aaatcaccct gcggtttgga 300
caaaacaccc ttacagcaga tctgagtgc tatgaccccg cttcaattgc ggagattccc 360
tcatccaagc tagcgatctt catcctctcg acgtacggcg aaggagaccc cgccgataac 420
acggttgagt tctggaactg gctgaatagt aacgaccgga acgcggagaa gaagcagaag 480
cagttttccg ggttgcgata ctttgccttt gggttgggaa actcgaacta caagttctat 540
aaccgggtta ttgatcgct tgtgaagggt cttggcgagc atggcgcgaa cgcactgctt 600
cctgtatcaa gagcgaacga tgctactggc tctactcagg aagacttcat atcatggaaa 660
gaaagactgt ttgcattctt ccgtggga 688

<210> 21406
<211> 551
<212> DNA
<213> Aspergillus nidulans

<400> 21406

cgcggtgggtc tgtgggagat cctcgagagc aaggatgggc tggagacgat agccagccct 60
gaactgttct cgcattgtca gaagcagttg ctctgcatgg caaaggccat gctgcggcat 120

gggaatatta ttgttttcga tgaggcgacg agcgggtgcg tatatccttt ccttccttcc 180
 gtcctttcat tagtccctcg atgaaatcct aacgaaaaat agagtcgacc ccgaaaccga 240
 cgaaatgatg caggagctca tccgcagctg cttcgccccaa cacactgtgc tcaactgtgac 300
 gcaccggctg gacacgatca ttgattacga ccgcgtgctc gttatggata acggcctcct 360
 ggctcgagag cgaccaccg cgacacctgc tgcgcgtcc atcagtcttc cgcgagctgt 420
 acaagtcttc gcgcggctgg gaagaatacg agcgtcaaga gcgtgcggaa gccgaagctc 480
 ggagacgtga aagggtcgag aaagagcgcg ccgaagaaga gctgcgtgga cgcaggggac 540
 tcattagtga g 551

<210> 21407
 <211> 542
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21407
 tgaaaatcgc atcaaccatg tctctcccca acctttccac cttccagatt cctaagccct 60
 cgacaccgcc tccccgcgc gacgccccgc acgccgaaca aaccgccttt gccctatcaa 120
 acgcgcaagc cacggcctct tcaactcaaat ccgccatttc atcccttgac ccctccggtc 180
 tgggcttcac tcgcgtttat gactgcacgg gtgtgcccgc ttgcgttcag accgggattt 240
 acgccgcctc gccgggttca gtcctcgtac agattggcat ggggaacccc gtgcagacgt 300
 tgccggttgg cgcagcggca ttgcgtgaag tcgatatcat tggagtgttc cggtacgatg 360
 gacatgcgta tccggccgca attgagctga tggcgagtgg gaagatggat gttgttgaaa 420
 agtctgttgt gacgcatcgg cttgggttgc aggatgggat cagagcgttt gacattgctg 480
 ggaagggtgt tgatgaggga ggcaggccag ttgttaaggt tcttattgaa agcgagtccc 540
 cc 542

<210> 21408
 <211> 591
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21408
 ctgccccgtc tgtgctctca caagetaagg gattggctcc agggcggaga tatttttcgc 60

gcaattcctg gctaaatcag tcgccgtcgg caccgttcaa tacgccccag tcacagaagc 120
gaaatgcttc cacgatgtat gccagccgca gctcagtcga agaatagtct aatgcaaaat 180
aggtattata cgatcagtat aatcctcggc acagtctccc tcgcctacgg ctccgtccca 240
ttgtataaaa tggtcagtcc cgacaccaat tgttcccctc aactttccgc atcctttaag 300
cgaatgctga gccagagcct ttcactctca gatctgcca caaaccggct ggaacgggca 360
acctgttctc acacaccgcg caggagacgg cgacacatca tcgcgcgtca ccccgtgac 420
tgactcgcgc cgctcgcgga tcacgttcaa tggctccgtg tcagatgtac taccttgga 480
atttacaccg cagcagcgcg aggtccgctg acttcccggc gagacggcac ttgcattcta 540
cacggcgaca aacaagggcc ctacggatat catcggagtt gcgacatata g 591

<210> 21409
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 21409

ttatatctct tcagttgaat tgcatgcact aaagctgacc aattcccgtg caatagggtca 60
acgttcccaa gacccgcaag acgtactgca agggcaagga gtgccacaag cacaccacgc 120
acaaggtcac ccagtacaag gctggaaagg tgaagaccac cgcacccctc cgacacgcac 180
tgaacgaata ctgatatgga tgcgactctc caggcctccc tattcgccca gggtaagcgt 240
cgttacgacc ggaagcagag cggttacggt ggtcagacca agcccgtctt ccacaagaag 300
gccaaagacc ccaagaaggc cgtcctgcgt ctcgagtga ctcagtgcaa gaccaagaag 360
cagctcgctc tgaagcgctg caagcacttc gagttggggc acgctctcac atccatacaa 420
acgatcctta agtggtttca agctaacatg cttgtccgta cagtgggtgac aagaagacca 480
aggggtgctgc tcttgtcttc 500

<210> 21410
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 21410

tgattgagga agtagttagc agtgtctttt ccggaatgtg ccatgcgggc attgcgttaa 60

cgctccgga gaggcctagc aaccccgaca ctgcctacaa acaggggtgtg tctgttgtct 120
 tacgattcga gaaccaagat cgggtggaagg tgacatccat gaccggggca tggcgacgaa 180
 ttgtcatgaa tatctttgga aatgcactta aatatacaga cagtgggtttt gttgaaatct 240
 cgggtgtcgct gctggatccg ccagtgaaaa ccgaccacaga ttctgccgtt gcacacttgc 300
 gcttcaactga taccgggtgt ggaatgtctc aggaattcct gaggaataag ctgtattcgc 360
 ctttcgcgca agaggacgcc ctagccgaag gtgctggcct tggctctgagc attgtgaagc 420
 aaattgtctc ttttttcaag gggccaatag acgtgaagag cgagattgat gttggaactc 480
 aagttgatat ccaaattccc 500

<210> 21411
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21411

ttggttcaat cttcgacgaa atcgcaaaca acgagattgt tctggacacc gaaagagagc 60
 aagctgcaaa tgccgcccacat cccgcacctg ttcctagcgg tcttgcatac agggctgggc 120
 aagtcttcgc aacggttgga agggatatac agggcgagag atatgcgcaa gcctctgagg 180
 aaatggccaa caaaactgag caactctatc gcagtttcat ccgagctcaa cggaagactg 240
 cgggtgaaaga ggcactttca cgctttatct tcgcaacgtc cgtccagcac gctgggtcca 300
 tgttcaatgt tacttggatg tcatttctct ccggcttgtc cgcacccatg caggataccc 360
 aaaaccttaa gacaatcaag ctctgtatgg aaggtatgaa attagccata cgaatcagct 420
 gtacgtttga tttggaaact ccgcggttg ccttcgtcac tgccttggcg aagttcacia 480
 acctgggcaa tgcagggag atggtcgcaa agaattgtga ggcagtaaag atactgcttg 540
 atgtcgcgct ttcagagggg aaccatctaa agagctcttg gagagatatc ctcacatgcg 600
 tcagccagct ggacaggctt caactgctca ggcacggggc cgacgaggga tccttgccag 660
 atatgtcacg cgctggcgtt gtgcctccgt ctgcgtccga tggccccaga aggtcaatgc 720
 aggcaccaag gcgtcctcgc cccaagtcca tcacaggccc tacacctttt cgagccgaaa 780
 tagcaatgga aagtcgctca acagagatgg tgaaggggtg agaccggatc tttaccaaca 840
 cagctaattt 850

<210> 21412
 <211> 621
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21412

```
cgccacacaa cagaaggggg ggagggggga aagaaaaaca gaaccgcacc acccacagcg 60
cctgagccat gagcaaaagc ccaaggaggc ggacacgaca ctgagcgcaa cacacgcgcc 120
cgcagcaacc tccccaaaag acaggcagca gcatacccag gaaccgcgcc acaagacgag 180
agccggggcg aaacaagagc cacacgcgca aaagacaaca cagctgcaaa gcctaccccg 240
ggacaaaggc caggcacaga gacagaccaa gaccgaacgg aaaaagcgc aggagccgcc 300
ggccaagaac aagcacaggg ggaaccaaga cgtggaacaa aagagacact gcgataaccg 360
gacggccagc ccaacaacag ggagacaaac cggccacccg catgaaaacc ccccgacggg 420
aatgaacaa caggccaacc gaggaaggaa ccgagaaagg cctcacggcc ccccgaggcg 480
agagaaacga ccacagcccc cgggcaagcc caaaaacggc aaaaaccaag gcggccccc 540
aaaacgaaac ggggaaaaaa acaagccccg gtccccgcat acccgcccc aagcaccaaa 600
gaaccgaaaa gagggccgca t 621
```

<210> 21413
 <211> 681
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21413

```
tagcaaaggc tggatggatg gatatactgt gcagatctgc catgtttttt gacaatcctt 60
aaccagtgcc caaacaatcg tcccgtaaag ttctacgagc gattcagaga gcctgtgcgc 120
aaatttcaat tgcaggcaca ggaaaaagga ctttcacctg aatcggaggc cgccgagcat 180
gccaaagccg ttgcggctta ccagcagctg atcaggagc ttccgccact taacaagcag 240
ctactgcttt acattctcga tctcctggct gtctttgcct ctaaactctga tcaaaaccgg 300
atgaactctg cgaatctgtc tgccatcttt cagccgggat tactctctca tccacagcac 360
gatatgtcgc cagacgaata taagctgagc caagacgtgt tgatcttcct catcgaaaac 420
caggaccatt tccttgtcgg tatgaatggg acagccgccg atgagcaaac agtcaaagaa 480
```

gtcgagtctg gcaacgcccc cccgccgacg tcccaatcaa acatccgctg ctctgtatcc 540
 agtgcaagtg ggggagctga tagctttaaa aagtacgaat cggtgcgaag aaacgtttcc 600
 gtatcctcga gaacctcacg cgcgtccaac aatgtttcca atcccgaac cctacttcc 660
 ctaggcgcgg ttgggggtgca c 681

<210> 21414
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21414

ccagccaagt tggctcagct ttgtcttcta gggcgcgtta agacgtagta taagaccccc 60
 actgctgcga gagagggaga gactatgtta aaccaatccg cataagcaac tcaccaggcc 120
 atgataaaac cgggcctcag tgacggagtt cccatcatga tacgacctcg acgaaactgg 180
 acagcagaag aagacatcat cctgaaaaga gaggttaggc gaggttggtt tcaaccaacg 240
 attccacccc tgccggggga cagatactta cttgtgactt aactttgtag tacaagcgga 300
 gggtgacaac atcagttggc atgagatcgc tgcattcctc cctgggagaa caaacaaga 360
 ttgccgcaag cgctgggtatg gcacagcagg agccaaggcg aaaaaagggc cctggacaga 420
 ggccgaggat gcgcgtctgc ggaaggcaat tgagcggcat ggtaccaagt gggctgttgt 480
 tgcgctctgtc gtgggaacaa gattgccgga tcagtgtctt aagcgatgga gtcacgccat 540
 caatcctgat attgatcgca gtccatggac tccacaggaa gtaagcatcc caatacacag 600
 gccggtgcga cacggagacg gttttaacat agacaggatg aattgttggt cgaatatgtg 660
 aagaggcatg gccactactg gcagcagatt gtctctctat acttccttgg cagaaccagc 720
 ctggccgcaa agaacagata ccacatcctg caaagacgac tgaaaaccga gggcggcgga 780
 gtaaccgacc agctctacag ctgggagcga gtaatggatg ctagctcatg gcaagggata 840
 ctttgggtctg 850

<210> 21415
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21415

cgtaagtata ccgcacgacg tttggtactg cattcaaact ctgtgcaagc cccagtgtcc 60
 tgcattggacg ggcggcagtg gcaacggctc caccctgtg gtgaaaatct ctgacccctc 120
 tcgcaagcaa gaccgcaatg gcccaatata tgaaggcagg gaaatccacg tttccaatgt 180
 gaattggagt gcaagtgagg acgatctgaa agagttgttc tccaggttcg gcacagtgga 240
 attggttcgt ctccctagga aagtcgacgg gggcagcaag ggttttgggt atgttgatt 300
 tagttcgaag gaggaggcaa ctgcggcgct ggctatgcat gagcaagagt tccgaggccg 360
 cccgctccac gtgaagggtg ctgctcctca gggcgcaaaa cggatcgag caaccgtgg 420
 gacacgcgtc gggaagtcac aatctcccgc tccggaggct aatggcgctc caccggcgac 480
 cgacttgaa gagcctacgg gtgagcggag ggaccgtacg ctgggattga tgaacgttcc 540
 agacacggtg aacgatgcgc gcatccgggc tcttgctgag ccatacggga aactcgtaa 600
 agttgtactc cgaccggatc accaaggagc gattgtcgag tatgcggacg tcaaccatgc 660
 aggaaaagcg gctctggaac tgaaggaca ggagatcacg ccgggacgga aactgcacat 720
 tggaaccgtg ggcgagatgc tgaagcagtc cgcagagaaa aaagcgccag tgcaggcgcc 780
 gaaaccaag gacaaacca agagctcttt ccttaccgac acggcgccca tcaagcgcc 840
 gccccagccc 850

<210> 21416
 <211> 635
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21416

ggtgaagata taatgcaggt agctcgaatt ggggagggtt cggttatgca gaagctgttt 60
 gacgagaaaa agttcactgc gaactactcc gacgaagaag ggattactcc gttacatgtg 120
 cgtcaatctt cccgggacat ttggtttagg aaatttcatt ctaattgtat acttctacta 180
 gtgggctgag attaacaacc aatatgcgat gtgcaagttc cttatagact ctggagctga 240
 tgtgaacgag aaaggaggag agtcagttgc gacacccgag atgtgggcag ctgagcggtg 300
 ccactattat atcgtgcacg tgctactcca atacggcgcc gaccctcttc ttactgatgt 360
 ccaaggctac aatattctcc atctcgcgac gatcgacggg aacgcatttc tgcttgcctt 420
 gctccttcac caagagatac cggtagacgt ggttgatcaa caggacata cggggctgat 480

gtgggagggt tataagggat atccggcgtg cgttgacctg tttctacgtt ggggcgcgaa 540
cccgaacgca gtggatgatg gcggattagc gcccttcact gggctcttgt caaaggatca 600
ttgccgtgtg tcctaaaaat cctcgagtat ggtgc 635

<210> 21417
<211> 765
<212> DNA
<213> Aspergillus nidulans

<400> 21417

gtgcaacatc accaccgttc cacaacaaag actacgcaca aaccttaca gtctggccat 60
gcttctaagc gtgccttgaa ggaccaggct aaaggatga tcatgatcag ctactgatgt 120
gcagcgaaag tgggcgagac tgactatcgc caggcaagggt ggaaagagca gagcggggta 180
ctcgcaagac ccctcatcag caacttatgt cgaaacttga tcgaaggaat caggctcgtc 240
agaagcagca gaataagcag caggaaaggg ctcaggctat aagtattttt tccgggtcaa 300
atggagcacc gcgtcacgtt gccattgttc cgctctctat cgatatcgat accacggcta 360
ttattaaggc gctgaacgaa agtgtcgatg tcaccagcga tgtgtttcca gacaccattt 420
cccgtgttcg aattgatcgg tcccaccaa atttgcatta tatcccggcc aatgttgatc 480
tgatgagcgc attgaatgct tgccgaattg caaattttgt cgttttcgca atctccgacc 540
acttgagcgc ggaggagcca gggctaactt gtctttatgt catattcagg ctatgggtgtg 600
cttatctctt ttttctgac cggtctcttg aagtacttcc ctctatttc ctctctgatt 660
tctacttctt ttttctctt actttttccc catctatctc ttttctttct tctctcata 720
tcgttctgcc ttttctctt ctcttccctc attttctatg ctatg 765

<210> 21418
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21418

ggtagacact ttgcaaact cttcccaac ccgcacagag gacatgctct ccgtgaacc 60
gaccatcttc ctaccggtg ctaccggttt cttgggtgcc cacatcctcc gcgacctct 120
cactcgcaaa tcaccttcag cgaaggtaat cgctcttgct cgtggcaaga gcgccgagca 180

agccctcgcg cgcacccgct ccacttgccg agcctacggc ttctgggacg aatcctggac 240
 atcccgccctt gaggatcatc ccggctccct cggcgacccc cgctttggcc tcacagacgc 300
 ctcttgggac gaccttacca accgcgtcga cgctgtcatc cataacgggtg cccttggtca 360
 ctgggtctac cctactcca ctcttaagcc ggctaacgtg cttggcacta ttgacgccct 420
 caagctctgt gcaaccggca agccgaagca gttctctttc gtcagctcaa ccagtgtcct 480
 tgacagcgac cactacgtcc aggaatccga gcgcagcatt gccgccggcg gtgctgggat 540
 cagcgaagat gacgacctgg aaggtagcag cgtcggcctg ggaaccggct acggccagag 600
 caagtgggccc ggtgagtacc tcgttcggga agcaggcaag cgcgggtctca agggaacgat 660
 cgtccgtcct ggttacgtcc taggtgattc taagagcggc agtaagttct tctacctcga 720
 atataccact ttaagaccat atattgacat tctccgcagc aacgaacacc gacgacttcc 780
 acaaccgcat gatcaaaggc agcatccagc tcacggcccg cccaacatc aacaacaccg 840
 acaacatggc 850

<210> 21419
 <211> 632
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21419
 ccaaattgag cccttcacat taaccacaaa ccgggtcaaag taagttcaaa tactgtcccc 60
 atctccacca tcgtaagggt agcactagcc aaatcaaggc atgatcagaa tgcacctcct 120
 gtctatatga atgcctgctg cactggcaac atctcaaatt ccctagatac actctgaggt 180
 tcagcatgct caagaaccat gtaaccaagt attagaaact tgcggatccc cgtctgtacg 240
 caagctcacg aaaagctagc aaatgactcc aaacatgctg cagtatcatt gacttgaagg 300
 gcgttggtat tacaaacgcc ccgtccgtgt acggctatct caaaatgact tccgccgtct 360
 ctcaaaacta ctatcccgag cgacttggaag agctgtatct gatcaatgcc ccgtcggtct 420
 tcagcacctg tttcagcgta gtaaagagct tcctggaccc tgtcactgtt aacaagattc 480
 atgtccttgg ctccggatac caatccgagc tgctgaagca agttcccaaa gagaatctcc 540
 ccagcagta cgggtggcacc tgtcagtgtg agggaggatg cgagtacagt gatatgggcc 600
 cgtggcggga acccgaatgg gcgtagagaa cc 632

<210> 21420
 <211> 799
 <212> DNA
 <213> Aspergillus nidulans

<400> 21420

```
aaggtaagcc ctggaactcg agatgttcct ttacaactgg aaaggagaaa ataggagtta 60
ttgggcacgc taactactagt tgaatagcac cgcaacaccc ccgagaacaa cccgtccatt 120
cccttcaagt tctccgaaca gaaccaacag ctcatcgagg aaatcatcgc ccggtacccc 180
cctcaatata agaaggcagc cgatcatgcct ttgctggatc tcggccagcg tcaacacggc 240
ttcacaagca tcagcgtcat gaatgaggtc gctcgcaccc ttgagatgcc cccgatgcgc 300
gtctacgaag tcgcaacctt ctacacaatg tacaaccgtg agccggttgg caaatacttt 360
gttcagcttt gcacgacggc acgctgtatc atttcgcacg gtaaaaatgt gtgatcatga 420
ctgacaaaac ctcaagacac catgccaaact cggcggctgc ggaagcgaca agatcgtcaa 480
ggccatcaca gaacacctcg gtatcacccc aggccacaca accgaagatg gcctgttcac 540
attcatcgag gttgaatgtc tcgggtgcctg cgtcaacgct cctatgggtc agatcaacga 600
cgactactac gaagacctga cccccgagtc catcaaggag cttctcactg cgctcaaaga 660
atcccgtacc gccacctccg gccagggttaa gatccctgct ccaggccctc tatccggcag 720
aatcagctgc gagaacagcg ctgggtctcac gaatttgcac aacccccgtg gggatcccga 780
gacgatgatg aggaaggac 799
```

<210> 21421
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21421

```
ttatcacaga ccagttaacc aaaggtgtga tactagaagg aatatcagag attaactcta 60
agagcatggc ctgggccctt gtacaagtac ttataagcaa acataggatc ccaaaggcta 120
ttaccttgga cagaggaagc cagtttacia gtaatatata ggcttatata tataacctga 180
cagggattaa ctactaacta tctacagcct atcaccccca gactgataga tcaacagaga 240
ggataaacag tatagtagag acctacctct gcactctatac ctgctatgac tagagggact 300
```

agaacagggtt actcctactt acagagctag taattaatag ctgtatatta acagcaacag 360
 gggtcagccc ctctaccta agccatagat ataacctcag cctatttagc cttactgagg 420
 aggtagagca actagctgaa gaaccagcca agagtcctat ccagaaaggg gaagctattg 480
 tacagaaagt taaggaagcc ctagactggg cttagcctc tatagcctat tcccaacaga 540
 atgtagagaa tcaggctaataaatacagga gcccgccac aaactaccaa gtaggagata 600
 aggtctggct aagtctgaag aacatctgta cagaccgacc cagcaagaaa ctggactgga 660
 agaatactaa gtacaagggt ataggcctgg taggtagcta tgctgtacag ctgaatacac 720
 cccagggat ccatccagtc ttccatatag acctgcttcg gctggcttta tcagatccac 780
 ttccttccca gaagaatgat gataccctag cccctggca tcattatgaa cggcgagaaa 840
 gaatacatag 850

<210> 21422
 <211> 833
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21422
 tggatatca ctttcttcat tgctatttca actaacgtcg agctagctat gagaccatca 60
 ctgaccttat gggctctacaa gatcagattg atgcttttca gaaacttatt ttctcgact 120
 tccagtcagg aactcacaat gagtgccgga tctcggcgtt ggttcctctt gtgcaagaaa 180
 gctacgggat ttataaattc atcaccagca tggtgagggc gatgcacaca ggtaggtttc 240
 tccgtatcat tttgtactct tctactgac acagttttgt tatccagcca ctggcgacgc 300
 tgatgcactt tcgcctctac atggacgcta cgatgctcaa catcaccgct tggtcgatt 360
 ctactatgag tggtcgaact tgcgttacct gaccagcttg attactattc caaaactccc 420
 ccaggatcca ccaaacttac tcggagacga agaagaacga ccagccttgc cgaagcggcc 480
 cacgaaggag gttgaggcag cgccatctcc tccaccgaaa tctgtggccg ctgagccgga 540
 gccattaat gatttctgga gcaccgaagc tcgccggcaa caggaggaat ttgaagccga 600
 gcagctgcgt cttcagcagc agtgggagga gcagcaacgc caacaattac ttgcgcagca 660
 gcaagcccag cgtgattttg aggaacaaca acgtttacaa gcggagcaac agcgtcttgc 720
 tcaggaacaa cttatgcgcg aacaatatca gagccagaca caaggtcgac ttgctgaact 780

agaaagggag aacctgaatg ctctgtgcaca atatgagcgg gatcagctga tgc

833

<210> 21423
<211> 698
<212> DNA
<213> Aspergillus nidulans

<400> 21423

gtccgggggtt ccggctaatac tttgaatttt ccgaaaatga atttttcacc aacaagacga 60
tttccaagac atactttctat aaggaagaga atgggtatgg gggcgatttt atctacgacc 120
atgccgaagg caccaagatt gattggaagc ctgaaaaaga cctcaccgtg cgtgtggaga 180
gcaagaagca gagaacaag agtatgcctc tgtccatgga tgtatatcta acgttagcta 240
accataacag acacgaaaca gaccctgtgt gttaagatta ctgtgccaac agaataccttc 300
ttcaacttct ttgtctctcc tcaacctccg gcagatgatg atgataccgt tgcgacggat 360
atcgaggaac gtttagagct cgactaccag cttggagaag atattaaaga aaaacttata 420
ccccgagcca tcgattgggt caccgggtgag gctcttcaat tcgaggaact tgggtgatgat 480
atggaccccc atgagtttga cgagtttgac gacgaggacg acgaggacga cgatgaggat 540
gaggatggca gagggtcgga ccaagacgtc gatgactccg atgaagaggt ttgtgtttac 600
ccgtacacct agtcttatag cacttgttct gagcaactaa cgttcggtag gacgggtactt 660
ccaagccgaa gaaagaagcg gctgagtgca agcaaagt 698

<210> 21424
<211> 395
<212> DNA
<213> Aspergillus nidulans

<400> 21424

ggccgtgctg gtaacaccgg tatcgccact gctttcttta accgtggcaa ccgtgggtgc 60
gtccgtgatc taattgacct gctcaaggag gtcaccagg aagttccctc tttcctggag 120
agtattgcgc gtgaaggcag cgatatggc ggctcgaggag gccgtggagg tcgtggccgc 180
ggcgtaacgc cactcgggac atgcgtcgca tgggcggtgg catgggtggc cctccttcgt 240
atggcgggcg tagtggtttc ggcgctccag cgagcaacta cggtggtggt tatgggtggt 300
ctccttctta cggcgggcgc ggctatggag gtggctacgg cggtggtggc tatggcaacc 360

cgtctgggttc tactggacct tcttcttggt ggtaa

395

<210> 21425
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21425

ccggtgctga gaaccggcat ttcaaatggt accaagtgcg cgaggcgctt ctatcatatc 60
aatTTTggtt cgtattcgctc ctctcgcttc tctcgagcat tggaaggggt gcagtaacga 120
cattcggtc gatcatcttt aacgggatgg ggTTTTcgac ctttcaatct ctactactga 180
atatgcctat cggTgccttg gcctttatct gcgttctggg atctgggtat atcggacgca 240
aggTgccccaa ttcgcggtt tatatcgTga gtggtgcttg tgtgccggtt attattggga 300
gctgTTTgat gtatatTTTc ctttcttga agagatacag gggcgatgtt cactgttgac 360
ttctttagat ggcaactacc ctctcccag cgtgccgcc gcattatagg cttttacctc 420
attaacttct tctctcagc ctgggtgcaa tgtatcgcca tgggaacgtc gaatgtagcc 480
ggccatacaa agaaagccac catggctgcg gcgacgttca tgggctactc cctaggaaat 540
atcgtcgggc ctctcacctt tgatgcgtaa gtcgtcccg ttttattgac cacatgcaac 600
caaatacctt ttgtctctgc gcgactctaa catgcttcgt gaaaacaaca gcaacgatgc 660
ccccgctac gaccagggt tccgtgccac ggtcatctgc tttgccatct gctttgttct 720
cgcccaggta tttagagcgc tcatgttggc gcagaataaa aggaggaata gcaagtatgg 780
cccgccgacg caggaacacg ggttggagga cttgaccgat agggagaata agtcgtttcg 840
gtatctcttt 850

<210> 21426
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21426

ccgttcacct ggggcaaaac ccgcgaggca tacggcgctc ctctgctgac tgaagccaac 60
aacggcaatg gtgccccgca gaccgaccac accgaaggcg tcttcattga ctaccgccac 120
ttcgatagga ccaatcagac tccgatctac gagttcggcc atgggctgag ctacaccaca 180

ttcaagtact cgaaccttac tgtccaaaag ctgaatgccc cagcgtactc tcccgcattct 240
 ggccagacaa aggctgcgcc cacattcggc accattgggtg aggccgagga ctacgtgttc 300
 cctgacagca tcacaagggt cagggagttt atctaccctt ggatcaactc tactgatcta 360
 aaggagtcac ccggagatcc caactacgga tgggacgatg aggactacat ccccgagggt 420
 gccaaaggatg gatcaccaca agacgtttctg ccgtctgggtg gaggtgcagg aggaaacca 480
 cgccctttacg acgacctctt ccgaataaca gccatcatta agaactctgg gcctgtggct 540
 ggtacagaag ttccccagct ggtaagtgcg ttaatctttc cttttttttt ttttttcagc 600
 taggagctaa cccggctagt acgtttccct gggcggggccc aacgaaccga aggtgggttct 660
 tcgcggcttt gacaaacttg tcatccagcc cggcgaggag cgggttttca cgacgacct 720
 gaccgcgctg gacctgtcca actgggatat ggagaaggac gattgggtca tcacgtctta 780
 tcctaaaaag gtgttcgtgg gaagctctc acgcaagctt cctcttaggg ctctggtgcc 840
 ggcggttcag 850

<210> 21427
 <211> 693
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21427

ctaatctgga aatgcggaag aagcgttttg agaatccccg aggaggatat gggctcttctc 60
 cttcatcacg cggtagatct ccaacccccg cccaactgg tcccgtgggc ggaagggtgcc 120
 aggatttggg gaagcgttat ttccggttga ctctgcgcc aaatccagat acagtcgctc 180
 ctcttctgt cctgatgaag aactggatc tgctgaagaa gaagtggag aaggacaaca 240
 actacacata catctgtgat cagttcaagt cactgcgcca ggatttgaca gtgcagcaca 300
 tcaggaatga atttacgggc agtgtctacg agatccacgc ccgaattgcg ctggagaagg 360
 gagatcttgg tgagtataat caatgtcaga cgcagctgcg ggctttgtat gcgcaacaat 420
 tgggagggtca tccgaccgag ttcaaggcgt accgtattct ctactttatc catacgcgca 480
 actggacggc aatgaacgat gccctggccg atctaattcc agcagacaag cggagtgcag 540
 ccgtcaaaca tgcattagat gtgcgggtctg ctctgggtct tggcaactac caccggtttt 600
 tccagcttta tctcgctacc ccaaactatg gagcgtacct gatggatatg tttgtggatc 660

gcgagcgacc gtccgccctc cgaaaatctg taa

693

<210> 21428
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21428

ccgtacaact ggaattcaag tacctagcca aactgacggg cgaggctgag tactggcgcg 60
ttgtggagaa ggtaatgcaa gtggttgacg ccaatcaagc ccctgatggc cttctcccga 120
tctatatcta tccagatacg ggaacgttca ggggagcgaa cattcgccctc ggtagcagag 180
gcgactctta ttatggtacg tgatgtcaaa gcagtgaagt agatcgggtgc taataacatt 240
cagagtatct tgtaagcaa taccttcaga cgtcagaaga aatatacaag gacatgtggg 300
acgaggccct cgtcggaatt cgcaaacacc tcatcacatt ttccaagaat gccaagttga 360
ctgtcctggg cgagcgacag gccgggtcttg acggccctct aaccccgaaa atggaccacc 420
tcgcctgctt ccttcctgga acaattgctc tcggggctac agaaggaatc cctctctctg 480
aagccaaaaa gtccgccgca tggactcgcc gtaaggacga agaaatcctc ctgcgcaaag 540
aactcatgaa aacttgctgg gcaacctatc tagccacccg caccggccta gccccgaaa 600
ttacctactt cgacatcgac accccgcacg tctccgagct agaccggtat cccgactcca 660
cgctcgccgc aggcaacgcg gacaagaagc ccgcggaaca agatctaccg ctgaaatccc 720
aagcgctgta ccctctcgca gactcaaatt cagaccctaa ctctggcgt cgcgacatta 780
tcatccagcc tcaggataga cataatctcc agcgcccgga aaccatcgaa tcctctgctg 840
acagcatggc 850

<210> 21429
<211> 575
<212> DNA
<213> Aspergillus nidulans

<400> 21429

aaacgaaaac cttatcgtga ctatattggg tatctgaaag tcggccgagg catatgtccc 60
cattgaccca acctaccctg atgaacgagt ccgctttgtg cttgaagaca ctgaggcaaa 120
agtcatcatt gcgagcacgc accttgacga gagacttcaa agcgagggtca tcagcgacag 180

ggagctctcc attattcgtc tagagcattg cttgagcgcc attgatcagc agccatcgac 240
 attcccgaga gccaatattgc gcgacccatc tctgaccagc aagcagcttg cctacgttac 300
 ctatacatcg gggaccacgg gttttccgaa gggcattctc aagcaacaca ctaacgtggc 360
 gaacagcatc actgaccttt cagctcggta tggggtgaca ggggaccatc atgaagccat 420
 cctgctcttt tcagcgtatg tgtttgagcc cttcgtgcgg cagatgctca tggcactagt 480
 gaatggccac ccgctcgcta tggtcgatga tgctgagaag taaaatgccg aaaagttgat 540
 accattcatt cgtgagcaca aggtcgtggt ctca 575

<210> 21430
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21430
 taccaatccc atcctcccgg gctggcactc cgacccgtcc tgcgtttacg tggctgagca 60
 agaaacgttc ttctgcgcga cttcaacatt catcgcgctc cctggctctc ccctctacgc 120
 gagcaaagac ttagtccact ggacactcgc aagcaatatt ttcaaccgcc ccagtcagat 180
 cccagtcctt gccgtcacag aggatcagca aggcgggacg tatgcgccga cactccgcta 240
 ccgcgatggg aaattctacc tcatcgtctc gttcctcggc cccaatgtcg aaggacttgt 300
 tttcacatcg gacaacccat acgacgacga cagctggagc aagccagtcg tctttccagt 360
 tcacggaatc gacccggata tcttttggga ggaggacggc caagtctacg tgacgtcggc 420
 tgacaacaac cagatccagc actacaccct agatctagca actggtgaaa tcggccctgt 480
 aacgtacctc tggaatggga cgggcggcgc ataccctgaa ggacctcacc tgttcaagaa 540
 agcggacggg tactattacc ttctgattgc cgaagggggg acagagacaa accactcagc 600
 tacaatggct cggtcgagga accgaaccgg accctgggag ccttgtccgg ccaacccgat 660
 cctgtcgaac cggaatacga cccggtatct tcagacgggtg ggacatgctg atctgttcca 720
 ggacggccag ggccactggc ggggagttgc cctctctacc agatcaggcc cagaatgggt 780
 gaactacccg atgggaaggg agaccgtcct cacttctggg acctgggagg acggggagtg 840
 gccagtgtt 850

<210> 21431

<211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21431

```

aagggcctttt agcacagatc tgcctctcca gggcgaaacg gccggtgtct gataaacgag   60
gctcaccact gttatgcggc gctccacaat caggctgtaa agcactgtcc gagcttagag   120
atgaccctgc gttcagagaa tttttcaaac ttcaagatgg gttccaatgg aatggtagct   180
agcctcgta gtaggctgtt cttgagtcg tgctgatcaa aatttagtgg caatgcgctt   240
ggtgacttgt ttagagcacc tgcttggtcg cgagaatagc ggtaccaacg atcttctcat   300
tctgtcaaca cttgatttaa tacaaggcgt gtccttctc catccgccct cgagaattct   360
gttcgcccgt gaaatttaca tgaaccttct tctggatctt ttagatccga tcaattgccc   420
tgccattcaa tccgcaacgc ttctcaccct tgtcacggct ctgctagacc accctgccaa   480
tacgcggaac tttgaagagc tggatggatt gctcacagtg acatccctct tcaagcagcg   540
ctcaacagcg cgtgaagtca agctgaaact tgttgaattt ctttacttct atctgatgcc   600
agaaaccgcc atggtctcca ccagtgtccc aaatacagcc ctacaacgca gccccagtaa   660
gctggggggg gggcctgtat caaggagtgt caatgtttcg gggctccta gcaatggcag   720
gggcagccgc gacactcgaa caacagagga gaaacaatct cttctgggaa gatatttgca   780
caatgtggaa gatcttgtgg aagatctcaa ggaaacggca ccttttgag ctacggtcta   840
ttaatacgaa                                     850
  
```

<210> 21432
 <211> 561
 <212> DNA
 <213> Aspergillus nidulans

<400> 21432

```

ctcgagcccc ggacagagca tctcgctgt tttgtgggtg ggatgtacgc gctcgccggg   60
aagcttttct caaaccagac gtacctgac accggccgga agctgacaga cggttgtatc   120
tggtactacg ataattcacc gctaggtatc atgccggaga tggtcacctg gccggcttgt   180
ccgtcagtgg ctgaatgtcc ttgggacgaa acaaggggtg gtatctacac ctacgtgcgt   240
gatgggcact actttctgcg tctgaggca atggagagta tcttctatat gtggcgcatc   300
  
```


acaggggacg aaaagtaccg cgaggctgca tggagaatgt tcacggctat cgaagcgggt 360
 acaaagacgg agtttgggaa tgcggcgggtg cgggatgtta tggttgagga aggaaatgta 420
 aagagagaag atagcatgga gagtttctgg atggcagaga cgttgaagta tctgtatcta 480
 atatttgggg agaccgattt ggtcagcttg gacgactggg tgttcaatac ggaggcgcac 540
 ccaatagggt gcagggagtc c 561

<210> 21433
 <211> 457
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21433

aaccacacac cccgggccac cccaaccacc ccaacccac accccccccc ccccataat 60
 tcccccccc ccccacaac ccaaagtgt gcatttttac accaaatggg gttcccccaa 120
 acaccacca cacccttccc aaaccactcc acacaaaaca caccacaccc accccccccac 180
 cgacccaaac aacaaatgcc accactcccc cacctcactt acccctcac aaacctaccc 240
 accacacaca acccctcacg gcccttcac actaccacaa accatactcc acatcctcag 300
 tcccataacc aaactcaaaa ccaacccac aacacccac catacaacca aagcgccaca 360
 gcaccacacc aaacactcgc aacccccacc gaccctatg ccccaaacac aacatcaacc 420
 gaaaactccc caaccacgcc cagccaatac acacacc 457

<210> 21434
 <211> 743
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21434

atgccgcca agaagaagtc tgacgcccgt ggaggcgtgc ccaagcctgg gacaaagcag 60
 gcaaaagctg ccgctgagcg gacagcggag agcgcaaga aagcgcaaca accagcggac 120
 gagcaaaaga agcctacagt caagcaggtc attggtggcg catcatggac ggggaaattg 180
 ccggtcaatt tgatgtcaga acattgccag aaacataaat gggagaagcc tgaatatact 240
 atggtgagag cttgaacagg aaataatcat gcgcgcattg tggtgctgat tcagtactaa 300
 ctattgcacg ctataggaca aagttgacgg agggtttgtc tcatccgtta tcttgaaacg 360

catcgactcc aagactagag aaacgattac actccctcgc atacgggtgc cagccagttt 420
taagcagcca acgggcgctg gaagctcgtc attatgctgc gacatttgcg ctcttccatg 480
tgtgcaacaa aaccaatcta cacatgatgc tcccaccaa cttcaaaaag ctttgaaga 540
gcgactttga agagctaaag gcggcagagt tcaagaaggg agacggctgg ctgtatgagg 600
cggatccgtt tttggccaag aaggagcgag aacttgccgc tacggagggt gaaaagaaac 660
gaaaagagcg tgaagcatca caggcgaagt cgtccgacgg cgcggtgaat ccagggttag 720
ggccagggcc tagaggacaa act 743

<210> 21435
<211> 485
<212> DNA
<213> *Aspergillus nidulans*

<400> 21435
acttggtggt gtcgttgggc gacctttcgg atggggatcc gcataaggaa ttcttgctac 60
tgatgcagtt gtttatgttt ttgggttcgt agtgcttaac gattggagtg gtgcgtctcg 120
ttcaatttcc cgcttctctg agacagtgtg gcaactagga ctaatatggc tgcagcccgc 180
gacatccagg gtcttgagat ggtccctctg ggaccgttga acggaaaggc ttttggtact 240
acagtctcgc cctggattgt caccacggac gctctggctc cggtcaaggc agcagggtcca 300
gaaccgaggg ttgaacttga agagcacctg aaggacgaaa aggaaggga ctttgatatt 360
gtgatgaagg ttgagattat ccacccaccc gccgggcaaa gcacgtcttc agcagcaacg 420
aatagcaatg aggggtgctg taacaacact gaagacaaat ccgtctctca tatcgccacc 480
agcgc 485

<210> 21436
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 21436
caccctgcgc agatcctata tctggccaag gttacgggct attttacggc tcaccagaa 60
tatgcgtctc ccgtcagttg gcattaatcg cctattctcc cagttactcg ctgcgatgct 120
tggtgataat acaatgcatg gtactttgga gctgccggac tatgtaatgg atagcgcgct 180

catgtccgtt gaggaactct gcgagcgggt ctttcoggca gcagatatga cccattgtca 240
 cactgccgac tttcaggcgt ctgaccgga cttttttgcg ggccgtgcaa tactctcaat 300
 gcgaaactct gccttggttg agttcaatga ccgattacg gactccatgc gcagtcagga 360
 gtctatgcgg tattccgctg acgaggcctt aacggacaac gttgctgaag ggggtggagga 420
 aatcacccat gagttcctgc aatctgtgga tctgccaggt cttccccag caagattacg 480
 attgaagggt ggtatgccaa tcatgttgct gcggaattta cgggctacag agggctctttg 540
 caatggtacg cggatgcaga ttgtggagtt atgccgctat acaatccgcg cgcgcatctt 600
 gacgggtgac ttcagaggct cagtgcattt catcccccg attaccctgt attcaaagcc 660
 tggcgatctg cattatgtgc tgtcacgaac acagtttccg gtccgtccat gctttgcaat 720
 caccacaaat aagtctcagg gtcagtcttt gcagcaggta ggtgtggatt tgcgggtccc 780
 tgctttctcc catggtcagt tatatgtggc aatgtcgcgg gttacagatg tgcggcgact 840
 tagcgtcttg 850

<210> 21437
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21437

cacgttcaag accgccgccc gtatatattg atgtgaagcg cttatacgct agcctacgca 60
 gccattactc ctggggctca gtctccaata tctggggccg gaaaccatt atgtcattg 120
 cagccgctgt atttcttgtc gggagtttag tctgtgcact tgtgccgcat atggatgttc 180
 tgatagtggg ccgtgcgac cagggattgg gcggctccag aatggggata atggtaaca 240
 ttgttgtcag ttttcgatat gttctcgttg tgagatcagg tgttgatatc gcaataactt 300
 cacttgtttg ggcggttggg agtgccatag gactggtttt ggggtggtgtt tttatgacga 360
 ggctgaggta ggtgccgccc tgtttgaagt gacgacaagg ctgacaatga ggtagctgga 420
 gatggtgttt ttggattaag tgtgaggcac tttattcaac gcggcggccc gaagctgaca 480
 attcgaacgc acagtaccgg ttggagctgt cttctttctt gtccgactct tcatggaaag 540
 tcccagatcc tcgaccacc atcgccgccc gtcttagggc catcgactgg acaggcagcc 600
 ttttgattgt agggggcttt ctgatggctc tacttgccct tgacttttgt gatgacgtct 660

actcctgggc ctccgccaca gtcatttgtc tgtagtttt tggaacggca gtgatggcgc . 720
 tggtcgtggt gaacgaatgg aaaatagcca agaaccctat tatcccagtt tggctgttca 780
 ctccccaaca aagatagcgc cttatgttgt cttcgcgtgc aaatcatatg tgtttatttg 840
 acaggcatat 850

<210> 21438
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21438
 gcagatctgg aatggaaact cacctacgtc ggctctgcaa cttcgtaaga acgagatgac 60
 ccccgaaact cgcgaccact aacatgtcta gttctgagta cgaccaagaa cttgactccc 120
 ttcttgtcgg acctattcct gttggcgtga ataaattcat cttcgaagcc gaccaccag 180
 acctccgacg gatccctaca tcagaaatcc ttggcgtgac cgtgatcctc ctcacctgca 240
 gctacgatgg cagggagttt gtgcgtgttg gatactatgt gaacaatgaa tacgactcag 300
 aggagcttac tgccgaccct cctgccaaac ccatcattga acggatccgc cgcaacatcc 360
 tcgcagaaaa gccagagtg accagatttg ccatcaaattg gtattttctt tacgtgcgct 420
 gtaatgagtt gtggatgcta attcttgttt cctagggata cggaggaatc tgctccagct 480
 gaataccgcg cagaccagcc cgaagcggat ggcttgacg acgatgggtgc tgcttacggt 540
 caagaggagg cggaacttga ggctgcactt ctgaaggagc tgcaagaggc tgaaaagaac 600
 gagtcaacca agggcgagga ccacgacatg gagggcgagc acatggggaa gaagacatct 660
 ccgacgcaga aagtgaggat atcgaagacg agagggatga cgatgaggac gaggtcgacg 720
 aagaagaagg tatcgatgcc gacgaggacg tcgaaatggg cgatgactcg gaaccgaaag 780
 acgacaacgc aaaccgggcc gcgcaccatt cgcagcagga agttatgggc cattaactca 840
 gggcctgagc 850

<210> 21439
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21439

aggagactgg tgccaaaatt gtcctctgca cgccaaaata ctgctctcgg tacacgggta 60
 aagtgccac agtactcggc gttgacgaac cgacagtgtg ccattaccga gcaaaacgtg 120
 tttcccttca aggatcagcg acgagtacaa acgttgcgta ttcgattttc acttctggaa 180
 gcactggacg accgaagggc atcatcatcg agcaccgcgc atttgccagt agcactatgg 240
 cttacgggcc cattatccac ctaaagccag gtattcgagt tttccagttt gcctcgctca 300
 cttttgatgc tgcagttatg gaaatacttg ggacactgat atatggtggc tgtgtctgta 360
 ttcccagcga cgaggagcgt cttaatgata ttgccggagc tataaggcga ctggacgcct 420
 cctggtctct ctgcactccg tccctcgcca gcattatgga gccggcttct gtaccttccc 480
 tcaaggtcat cgtctcggtt ggtgagatga tgtcccatga agccatgacc aaatggtctg 540
 acaaggtcca tttcatcaat gcttatggcc caaccgagac ttctgtatat gctaccttca 600
 accctgaaat tggcagaaat cggaaccggc caaacatcgg tagaactata ccttccactc 660
 tagcttggat tgtggacccc agtaaccatg accgtcttta ccctgtgggt gtgggtgggcg 720
 agcttgcgct ggaaggaccg gtccctcgacg ggagtacttg aagaatcccg ataagacagc 780
 caaagctttc attaccaacc caaagtgggc gcagaagact tatcctgggtg cgctgatcg 840
 aagatctact 850

<210> 21440
 <211> 715
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21440

gatactgact ccgtaatagc ttctgtgatg aaggatgagc agggccgacc atttattatc 60
 gttcgagagt acgccgccga catcaaacc ttttactttc cgaacaattc aactgatata 120
 cacctccgaa tagccaggga aagaagaaga gacagcatgg cacggatgcc gtcaaatac 180
 acattgtcgc agcgaagact gttgctagca tcgtgaaaac gtctctggta aggaccgtca 240
 ccgctgggtca acggcaattt ctaagtggcc atctagggtc cccgcggtct tgataaaatc 300
 ttgatttccc ctgacggcga tattactgtt acgaacgatg gtgctactat cctgtcccag 360
 gttcgttcag cacatatcca ttccgcttac gagttctaata cggcgtgcta tagatggaaa 420
 tcacgaacaa cgtcgccaaa ctccctcgctg aactctccaa gtcccaggat gaagaaattg 480

gtgatggaac aaccggtggt gtcgtcctgg ccgcggaat gttggaacag gcttccgacc 540
tcattgacaa gggcatccac cctatccgaa ttgcggaacg ttacgatgca gcctgcgaaa 600
tcgccgtggc gcaacttgac aaaatcagcg acgaaatcaa attcacaaaa aaagacactg 660
cgaacctgct caaggtcgca aagacgagct taggtagcaa gatgtaaggc gctcc 715

<210> 21441
<211> 533
<212> DNA
<213> Aspergillus nidulans

<400> 21441
attcgcgcca cacaggcaat atgtctagct tggagtcagc actgccgggtt cccacggggc 60
aggcacttct catgggttat gcgcaaataa gcgcgtcggt cacagtagac ggctcgctca 120
tcaatcaatc tgctttcgac gaggttaagc ggcaagggtat gggtggcggt gcaaggaatg 180
gcggcgcagc gaattcgagg cctgcttcgt ccagcggtaa aaatcgaaaa ggcggggggtt 240
tctggggcgc tttgaattgg aattcgatag aagaatcaat cagtggcttg ctttccaaca 300
atgacctcga cggccttcga gatatgcgag gtgtgtcctc atcaagatct attcctttgt 360
tgtcgacccc tcaatcactt ctctttgtgg accttcgact ggccccaggc gaggagcagt 420
ctttctcctt cgcgtttact ttacctagcg gtcttcggc aagccacaag gggaaggcca 480
tcaagatatc ctacaatctg gttattggaa cacagcgacc tagtgggagt cac 533

<210> 21442
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21442
ggtggtgaat gtagacgtcg caaatgcgga tgcattcctg tccgctctag ccctcaactg 60
tcggccggct ctgagaggaa ttatctacgt tgaatggagt cccggggcaa gcactctggt 120
ccagataacg ggcgaagata tccactgcag cctcaatcgg atgcacagca gcagattgtc 180
gatctcaaag gcagcatgta atgagtcagt ggagttctgt atcactgttg cgtcgccgc 240
gggcctgtta ggtcttgaag gacaaggact atacgccatg gggagccctc tgggcgtccc 300
atccatgccc aagtccatta cattacgcct cgacgctttg ggggaggatg aaagcaaact 360

ctctgtcgag gctgcagact tagatagtat cctcaattat gctatcagca gcattgcacg 420
tcaagatcgc gaggcggagt tgtttggcgg tcttgacagg gataattgtc gacgagagga 480
tccaattttc agtactgtat tcagcactac tgacgagatg ggcgagaccg aaaaggaaat 540
atcgtcaaac aggatcgatc agcagattac atctgcgggc agcatagaga aagtccacag 600
aattgtgatg gaagccgcag tgcagcagct aacctcgctc ctcgctatgg accctgatga 660
tatccaggag cagatggccg tcacagatct gggactggat tccctcctag ctatcgaatt 720
caagaactgg gtagtgagga ccatgcaggc tcctatgcag acgtctgagg ttctggacgc 780
gccgagtctt tctcacctgg tgaaattgat tgtacagagg tccaggcttg tgcaaaagga 840
atcatcatca 850

<210> 21443
<211> 650
<212> DNA
<213> Aspergillus nidulans

<400> 21443

ggaactcctc cggcgcgttt gccggactgc acaggggggt catggaccga atatcgcggtg 60
gctcaatggg gtctgttctt tcggttcgaa accctccaca gacctccagg gggaggccac 120
attcctacga ggctacagct aaccagcccg ttcctatcct cccgggctct gaagaagaag 180
ccctatacaa aaaacacctc ccttttttca ccccccatc actatcatct cctgaagccg 240
aaccaaccta ctttaacgcg ctggacctca tcaaccaaac cgacctcaa aattacggct 300
ttatccccga gctcgtaggc cgtattccgg tcaatgccgc tctatcagct ctaagccagc 360
ccttactcgt ccgcattctc accgaacctc gcaactccct agttgcccac tacaccacac 420
tcttctcatt gtccgggata gagctccgct ttacaacacc tgctctgcac aaaatcgccg 480
ccaacgcatt cacaatgggc acagggggcg gtgcgcttcg cacagaaatg gaaacaatcc 540
tcagcgatgc aatgttcgaa acaccgggat caagcgtcaa attcgtcctt gtcacggaaa 600
acgtggcaga gcgcaaggaa aagcccgtgt atcttggccg tggacagggg 650

<210> 21444
<211> 705
<212> DNA
<213> Aspergillus nidulans

<400> 21444

atgggctaact acctcgccctc catttttcgga accgaacaag acaaagtcaa ctgctcttttc 60
tactacaaga tcggcgccctg cagacatggc gaccgggtgct cacgcaaaca tgtcaagcca 120
tcatactctc agacgatcct catgccaaac atgtaccaa accccgccta cgatcccaag 180
agcaaaatga acccaagcca actgcaaaac cacttcgatg cgttctacga agacgtctgg 240
tgtgagatgt gcaaatacgg cgagctggag gagctggtag tctgcgataa taacaatgac 300
cgtgagttct tttgcctcat tgctaataatt gtgcaaaact aaccttgctt ctcagatctg 360
atcggaatg tctacgcccg attcaaatac gaagaagatg ctcaggctgc ctgcatgacg 420
ctgaactccc gatggatgac cgccgacccg atatactgac aattatcgcc agttaccgat 480
tttcgagaag cttgctgcag gctgaatagt ggcgagggct gtgtacgagg cgggttctgc 540
aacttcatcc accgaaaaga ccctagtagc gagcttgacc gggagcttcg cctcagcacg 600
aagaagtggg tgaaggagcg tggccgggat gctcggagcg tcagccgcag tcctagcccg 660
gagcctacac ggcgaagata ctgaatgatg gatttgtttc atagt 705

<210> 21445

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 21445

tatatcgctc aacaaccgga gggcgccctc ttttcggtga cgggaaacaa ggtctactgg 60
cagaagtggc gtttccgagt gggattcaac aaccgtgatg gcttggctct ctacaatctt 120
acctacgaca accgcaacgt tttgtatcgg ctttccatct ctgaaatgac cgtgccttat 180
ggaggtgagt tcgaactggt ccagctggcc acattgcac cgggctataa gataactccg 240
gggggtaata catgccccgag gctttgtgtc taccaggtta ctctattgac tatctgctga 300
ttaagctcta cagaccctcg agcaccgat cataggaagc aagctttcga cgttgggtgat 360
gtgggatttg gtctgaatgc caatcagctc tcgcttggct gtgactgctt aggacacatc 420
aaatacttcg acggttacgg atccgattct aaaggccaac ctgttcgtct gaagaatata 480
atctgcatgc atgaacagga taacgggctt cagcaciaac acaccaatta cagatcggga 540
gcagccaccg ttgtccgcaa ccgccagctt gttctccaaa tgatctgtac ggtggccaac 600

tacgagtaca tcttcgccta catccttgat caagtagcga atatcgaact tgaagtccgc 660
gccaccggta ttctctccac ggtgcccttt gacaatacaa atggggaaac tgtcaagtgg 720
ggcaccaatg tcggcccagg cgtcatggct cctttccacc aacacatgtt ctccctgcgc 780
atcgaccctg ctattgatgg cttcaaaaac actgtctatt accaagacag cgccctctt 840
ccagaagacg 850

<210> 21446
<211> 478
<212> DNA
<213> Aspergillus nidulans

<400> 21446

aagcgtaaac gggatgccga tgatggatta caggcgttga aagcgttcgc aggcgcttcg 60
agcgggtgcgc gctctatacc cgggtgtgccg atcgtgtatg ttaagcggtc tgtgatgata 120
ttagagccga tgagtgcacc ttctgaggggt attagggagg gggttgagga ggataaactc 180
cggacggggt tgactgatca gagtgtgcag aagagtgggt gccagatgg tggggagaag 240
aagaagaaga gggaaccgaa gaaagcgaag gggccgaatc cgttgagcgt gaagaagccg 300
aagaagaggg ttgaacagaa agctacggca gagagggaaac ggccacgtga tgaggctgag 360
aaacgggact ctgagaaagc agcagaggac ggagagtgcg ccaaagccaa agaggagacg 420
gcgacaccat aaaggcgcga agcagggcga ctccgggtga gatgagactg aggcgact 478

<210> 21447
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21447

ttaagcatca agggaagcgc tacgatgtcg agctcgaccc gaattccact ggcgaaacat 60
tcaaatatca gctatactct cttacaggag tggagccaga gcgacagaag attcttgtga 120
agggaggcca gctcaaaaac gatactctac tatctactat caatgcgaag ccgaaccaga 180
cattcatgat gatgggtacc ccttccgggg accaaggcgc cggagcattg acacgtccta 240
aggaagttgt gaaattctta gaggatatga cggaagcaga ggctgccaag gcagcagggg 300
ccatcccggc cgggctgcaa aatttgggaa atacgtgcta cctaaactcg acattgcaga 360

cgctgaggag tgtcccgag ctacacgaag agcttcagag ataccgcca tctagaaaca 420
 tcagcggcgc atcgaacctc tcgaaccttt ctgatttcgg gcttggtggc ctgggcgcct 480
 ctatggacct cacttccgcg ttgagagatt tgttcaaaca gatgtccgag actcaggaag 540
 gatttcctcc aattctatatt ctcaatgctc tgagaaacgt atttcctcag attgctcaac 600
 aggaccggaa cgggcatggc tacgtcaaca tggatgcggt agaagcttgg tcacagattg 660
 tgtcgcagct gcggcaaaaa ttggtgatca aagatggcga gggggagtct gcgactggag 720
 tatcatttgt ggaagcgtat atgggcggaa gatttgaatc tgtcactgag tgtgatgcac 780
 cggctgcaca ggaggctggg gaacaacctc acaagacttc tgacgttata ttcaagcttg 840
 actgccagat 850

<210> 21448
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21448

tccggagtag cgttgggtga ttccggcgga gcaatctctg caggagtggg ctctgggtgcc 60
 ttgctctcct cggcaacctc aacctcagat acctcaggtg cagcggcttc atcgggtttc 120
 tcgggtgccag gctcggccac ggtagtctct tccttagaaa ccccttctac gggaattttg 180
 gatacagttt cctcagtggc aaacttttca atgggcgctg cggcgattgc ctccgctggt 240
 gtgggtggact gagtctcgcc tggaaacctc gcgtcaactg tttttccaga ggcgccatct 300
 actgtttccg gctgctcttc cgcaggttta tcgtgggcag cctcggtaac ttcttccgtc 360
 gccacggtct ccacggtagg cacttcagtg ggagcctcac ttgctggttc tctaggtgat 420
 tcggtagtag caggctcagt cgccgatgga gcatcagcgg tctcggttgc ggattcctga 480
 gttgccgatt ccacagcgta cgctgttggc atgggtgtccg cttggagctt cagcgacatc 540
 cttgtcggct tgctcctctg aggatttttag caccgcgggg acctcagtta tggaagcatc 600
 tgccgctacc tcggcaggtg cgtctttcga ctctgttacc gaatctgggg ctgactcttc 660
 gaccacggtc tccttaccgg gcaactccgg agattccgcc gtagcaatgg gtcctcggc 720
 tttaggctcc tcaactcacag ctctctctc tgacagccgg gcttctgaaa cattctcgac 780
 ggccgtctct gccacagcag gtccggcagc agattcggcg gcggcttctg tggcttcctt 840

<210> 21449
 <211> 618
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21449

```

ctggaggctg aggtcaagga gttcaagctt caggtaggtc aggcgatcg ctatcgcgag 60
cgcaactaac cggcgcagct tgaaaccgtt caatcaagtt tgcaggtaga cccagataac 120
acggaattac aaagtctcaa agctgagctg gaagaactta taaacctcac tgaaacatca 180
atcgccgaac tcagacctgc aactcccaa ccaaccaccg ctccagcaaa attaaagggc 240
tcgagagatg acaacgcttc gaaaccggc tategcaatt cgacggccga gcagacagat 300
gacaacacaa actccggccc ggcttcgttc tccgtgaatg agcatgtact tgcccgtctg 360
gtatcgggcg ataattcttt ctaccggcc cgcataacat ccatcaccgg ctgctccagc 420
aaccagtct acatcgtctc tttcaagtca tatgggacgg tggaatcgct aaccgcaaaa 480
gacctcaaac ccatttccaa cagtgactcg cgaaaacgca aggctgatgg aagcccaggc 540
agttcaaacc actccccagt tcctcaacct cccacgcga gcgtcatctc ggcggcagca 600
gatatcaacc cggcatta 618

```

<210> 21450
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21450

```

ccccattctc ccttggaaact ttgaatgaat aggatatagt ggctgaacgc cggcactgat 60
gtatgcagac ggcggtctaa tgtccagcga tgatcattcc accgttagag ttggcgagac 120
aataacaatc atcgggtctg cggtgcaagt tgtctttttc gggttcttca tcatcacagc 180
gatcgtcttt cacatccgta taaataaatc tccaaccgtc atgtctaccg agacgaaagg 240
ccactggtgc gggaacataa cagcgcgcaa ttgggtcaca ttgcttttgg ccatgtacgt 300
gggtgtctata ctaatcctgg tgcggtccgt ttttcgaatg gtcgagttca tcgatggcta 360
tggcgggtat atcatgagcc acgaggtggt tatctatatc tttgatgcgg ttctcatggt 420

```

tctggtgatg gcgattctga atttctggca tccttcgttc gttattcgag acggaaaaag 480
gtcgacagta aggggagatt 500

<210> 21451
<211> 760
<212> DNA
<213> *Aspergillus nidulans*

<400> 21451

aacaacgact tctgtcgaca atgcgagaag agcggacggc ttctatgctg tgatggttgc 60
gtgtattcgt accacttctc ctgcctgaat ccgcctttgg accctgcaaa ccctccagaa 120
ggagactggt tctgccccaa atgctcggtc tcgaaatctc taaacacgct gcttggtggc 180
atggagaaga cccccgggag agacttcgca ttgcctaata aaattcgaga cttcttcgcc 240
ggcgtccgca ctggtgacga cggaaaatat gaggaagttg cttcgttacc gcgtatcaac 300
cctcgagcag ctctgtgggag tcgtactggc cgctacgacg accccttcct gttgcgaatc 360
actgacgcaa agggtaaaact aattgtctgc gtaaagtgcg gacaaaccac caacggccga 420
aggcccatca ttcaatgcga cttttgtcct tgtgctttcc atatggactg ccttgaccgc 480
ccgctagctg tcccaccgac ccagcgagtt ggaagtgatc gtctctatca cacctggatg 540
tgcccgaacc atgccttgca tgacatgtgt taccctgtca gggatgaaga agggatatgaa 600
acaatgaagc gtattcgtcg tccaaagaac ccgcgtttta tcgacgtcga gggtctcccg 660
gagaacgagg aagaggagaa ccttgaggac gaagaaaagg agggcattac gtatcgtgtc 720
tcagaaaagg gaatcaaact cgacttcatt gaaagagtca 760

<210> 21452
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 21452

tcgacgcgat tacctcgca ttcggagatc ggttcaacag tcttcgctcc caatcactgg 60
gatcacgggt tgccaatctt cgtccaattt ctgagtttct agacttcaag cgactttcaa 120
agcctgccaa ttttggcgaa gcccaaagcc gggtaacta caatctgtcc tacttctcga 180
gcaactatgc cgccatcttt gtgttgctca gtatctacag cctcttgacc aaccgctgc 240

tactttttgt catcttcctg gtcagtgggt gcctttgggg cattggaaaa cttggcgggc 300
 gtgatctcga cctaggattt gcccgattta atacctctca actctacact ggactgctaa 360
 ttgtcgcggt gcccctgggt ttctgggctt ctccattgc cacgtttctc tggctcattg 420
 gagctactgg tgtgactgta ttcggtcatt ccgcgtttat ggataagcct attgagaatg 480
 ctttttccga ggaggcggtc 500

<210> 21453
 <211> 734
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21453

tccacgcaaa ttctgtcgct gctggccaag tccacgtacc aagatattac ctcttcgta 60
 tctgagccgg agtcggagaa tggtcaggcg tacgctacga tgcggtcact gtttgaccac 120
 acaaaaaagg tctattcaac caagaaatcg ttctctctgc ccacggagct cgagctcact 180
 gaaccttcgc aagtcgacat catccgcaaa gcaaactgg catcgtttgt ctccagcatc 240
 tttggtactc aggagatcag cttctctgag ctcaatgata actttctcga cgtatttgtc 300
 cccgaagggtg gacggcttct caaacagcaa ggtgcccttt ttcttgagat gaagactcaa 360
 gcgttcatcg cgtcgatgaa caacaccgaa cgtaccgcga ccgaattgct ttatactttg 420
 ttcccagata atcttgagca gcaactcctt gacagacgac ccgggacgcg tcagctggct 480
 ccgagcgaaa ccgactttgt caaccgtgca cattcgcgcc gtgagatatt gcttaatgat 540
 agcaacaatg aggaggccac gaaagctata ccagacaaat accactggga ggactccgtc 600
 caggacctca gctcgcatat tacagagaac ttgatacca gcaacaccaa caggtttagac 660
 tctacatatg gttttaaaca aatagatcgc taatgcgggt tatgcaaaga agatcacaga 720
 ggacggccac catc 734

<210> 21454
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21454

agagttcttg tcttcgtgcc ttaaactcgg cgccattatc gtcttcatga tcatcgcttt 60

ggtcctggtt tgcggtggtg gcccgtcgga tggatatgtac aatgaatact ggggtgcacg 120
 actctggtac gatcccggtg ccttccgcaa cggttcaag ggcttctgct ctgtcttcgt 180
 cactgcggcc ttctctttca gcggaacgga actggtcggt ctggccgccc ccgagtcgaa 240
 gatcccacca aatcctgccg ggcgccatca agcaagtctt ctggcgatca ccctgtatgt 300
 ccccccttgc tgcaagcgcc cgccatgacg cgccatatct gacagtattc ttctagcttc 360
 tacattgttg gtctcttctt tgtcggcctc ctggtgcgct ctgataacga acgcctctc 420
 ggcagcggtc ttatcgacac cagacgtcgc cctttgtcat tctggcttac gatgcaggct 480
 tgaagggata cgatcacttc atgaacgtca ttattttaat atccgtccta tccatcggtg 540
 tctccggtgt ttacggctct tcccgtaccc ttaccgcgct cgccgagcag ggtacgctcc 600
 caagtttttc gcctatgttg atcgctccgg ccgcccctctc tggtcogtgc tgattacat 660
 cctgttcggt gttcttggt acgtcaacgt cagctcgtct ggtgaggaag tttttgcctg 720
 gcttcaggct ttgtccggtc tagccgctct cttcacctgg ggttccatct gcttggcaca 780
 catccgtttc cgagagcgt gggcttaca tggccgctct ctcgacgaga tccttttagca 840
 ctggtgcgccc 850

<210> 21455
 <211> 420
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21455
 agctcaattg tactcgacta aagtctcaac caaacagcta aagtcaagca tgaggcatca 60
 aatgattggt tagaattcaa ggagaggtct aaatggcatg acagagctat aagagagcta 120
 acacacactg tgaaagagct gaaggatcaa gtcaaagagc tccatgggaa agccaaccaa 180
 gcaccactcg acatcaagga cgtcccaa at gatgaagtta ttcctatggt tagaaaagaa 240
 ggatgtgaat tcacattaga atagtataga aaagatgatt atccagatga tgaaaaatga 300
 gcttaccaag aaagggccat tgagtactca attacatact tgtcacgaga gcatgctgaa 360
 tttgatgttg tatctactaa ggaaggagag gagacgtcaa ttctactcta tcacctcct 420

<210> 21456
 <211> 386
 <212> DNA

<213> Aspergillus nidulans

<400> 21456

caacaacaaa gttcctgggtc ttggaatgag actagatcgc agcgacctta accttctata 60
tcgatccagg tacaacaatg catactactg attctagttt tcctatagag attattttatt 120
tatattcttt tggggttgat agctatccaa gagagatacc agatgcatat gaaagactgc 180
ttctcgatgc aatcgaagga gagaggaggt tgtttatcag aagtgatgag ctagatgcag 240
catgggatct attcacaccg gctttgaagg aactagagga gaagaaaatc attcctgagc 300
tctatccata tggaagcaga ggtcctggtg gtgcacatta ccttgcatct aagtacaatg 360
tgagatgggg agatcttgga gaagct 386

<210> 21457

<211> 850

<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 21457

aggcaggatg aagatagatt tcttggacgc caagggacag gaggttatac ggaaggtcgc 60
tgactagctt gagaagtact ggataacacg gccgcgggat cgagccgggc gtcgccacag 120
attacctgga cgatatcatt tatcaagctt gtgtagagtg tggtgagaga gcaactctgt 180
tcaagatggt ttcctttctg acctcggcag tcatattctt cgcccttaga ccgacacggt 240
tcccaaatcg ctgtgcactt ctgcaaataa agtggccttg caccggaaac ccgaccggcg 300
gagccttctc gatggcgata tcatcaatct cgaaatttcg ctctaccaag gcggtacca 360
tgtcaatatc agggatgatc agctaaggta gaccccgatt cggatcatgt agccgggtaa 420
cacgcgaatg cttggatttg gcagtcgaaa cgtcaagatt ggcacgccta tacgggcggt 480
ctgtcacatt aatatgaaac tgtaagtagt cacagcttga gtgtccatgg ctttcattca 540
gaatcccaat ccnccccatt catacccat tatggcaaga tcaagcaagt ggcagtgtgt 600
atggccggaa tgacttttac tattgagcct atacttgctc cggaagtcc ttgggtaact 660
gttgaccggg tgactggacg aatcactgcc gatggcatgc gcacggctca gtttggtgcg 720
taaggctgca tattagcagt catcacctga catagttta gaacaccctt tgcttgtcac 780
gcagacaggt gtcgaagtcc tgtctgcgcg aaacgcagat tcacctggat gccctgcctt 840

gttgccgact 850

<210> 21458
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21458

cagtactaat taaaggcaga ctccccccagg gatccccccct atccctaata ctcttctctgc 60
tatatacagc aagaatagtc tctaccttag aaggctcttt ctactatgca gataatatag 120
gcatattatt aactaggaat accctggaag agagctcaca acaactggta gaggtctaca 180
agcaaattac tgctctaggg acagagacag gcctcccttt cttaatagag aaaacagaga 240
tataaacttt ctctagaaag cagcagcagc atctccctat agttactcta cctgggtatag 300
gggagattac accatcttta tatatacagt agttaggagt tcttctggat acaaagctta 360
cttttaagc ccacattaat ttggcttttag ccgcggaaac aacttgcccta gcacctaaag 420
agacttagca ataccagta tagctgcca gtagcctcca tgcaggcagc agttatatag 480
tatattcttc taacagctct gtacagggca gaagtcttct atacaggcaa acaataaaaa 540
gggatagtta actccctgct ttctctcttc tgcacagcag ccctagctat tatcccagcc 600
tacaagacta cccctactgc agcactcctc tgcaaagcag acctactaga ccagaagct 660
ctactcaaca gcatcctcca gagggcagca gtgagatata taagccttga tactaaatac 720
ctaattgcct aaatagccgc agagactacc gcgggcaggc caaaaccag gcttaaaagg 780
atcctacagc tctctctcag cccctgcca gagcatacta taatagagct gcctctccct 840
ctattataca 850

<210> 21459
<211> 420
<212> DNA
<213> Aspergillus nidulans

<400> 21459

accttctgag ttcttggtat ccgcgttacg aactacaaaa acggaatgct gctttctacc 60
tcattggtag cacagtatct ggatttgag gcattctggc gtacgggctg atgcaaata 120
gcggcattgg agggcttgag ggttggcggg ggatcttcat cgtacgccac tgaacaatgg 180

tccggaacga atatttatct ctaaccaaag cagatcgaag gtatcctcac ctgcgttctc 240
ggcttggggg cataacttaat cttagttgat ttccccgagc aatcacccaa ttcattggcac 300
ttcctcaacg agtccgaagc cacgtatatt attgccagta tcgaaaacga ccgatcagat 360
gtctatgcgg aaccgttcac attgaagggt tacctccgta acaccaagga tagcaaggtc 420

<210> 21460
<211> 827
<212> DNA
<213> *Aspergillus nidulans*

<400> 21460

agcacgctta gccctctgga gacgcttgct gagactatca gtgcaactgc gaaaatcggt 60
agcgggtact gcaccctgga tagaatccca caccggtcat cgggcccgga cagccccctca 120
gtggcgctgc ctcaaacggc gcccgcatat gtacgagagg cgcgccagca gcttctctcc 180
gcggccaaag aggttctgca gattgccgca gagcccagcg agtatctccc aatgttggca 240
ttcaagtagg ttccagcaca gctttctccc ctgtcattct ccggaacaga ccagaggagc 300
tcattaaacc cttattaacc ctagacccaa tgctgatatc aagagggtga cagtatcaat 360
atattgcgtg catcaaagtg ctgcgcact cccaagtctt tgccgcagtg cccttgaccg 420
gcgctgttcc ctactcccag ctagccagca tctgcgcggt gccggagcgt caactgcaga 480
gcgtgaccog catggccatc accagcagct gtctatgcaa gccagagctg ggaaaagtcg 540
cccacaacag agcctcccgg cagtttggtta ctacgctcgc ctaccttggg tgggtccgct 600
ttataaccga tttctatatg ccggtgtcct cggagagggc cgaagcaacg gaaaaatggg 660
gggagtcaga gcagcctacc gagacagtgg tcaacctggc catgaagacg tccatatctg 720
cctttgcgtt tatcacgcgg tctagagagt ttaacaggct cttcgctgcc tatataaaag 780
gggtaacaac tagcgagggc acggcggtac ggcattctga aaccgcc 827

<210> 21461
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 21461

cagccttttt ttcagccgat caagaaagtg taagtgacct gatcaacaat gtggcactct 60

tggttctaata caacctagat ttacacagtc agccgagact gcgccctctt ccgatgggag 120
 tatgtctcca aaaaagaccc tgacacgatg gaggatgtgg cggaaccgcg ctggaggatt 180
 gttaagaagg atttcttcca acagcctcat gcaacagtta aatgcgcggc attccatgcg 240
 gcttccaacc tgctcgtcgt tgggttctcc aacggactat ttggtcttta cgagctccca 300
 gagttcaata caattcacct ctttaaggtaa gtggcatatg cattgcgtac tggcattgac 360
 gctaaacgaa tttccagtat ctcaaaaagt aatattgatg ttgtatccat caacaaaacc 420
 ggcgagtggg tggcgtttgg ttctctgaaa ttcgggcaat tattggtctg ggaatggcag 480
 tcggagtcac acatcctgaa acaacaaggc catctagatt cgatgaatgc ccttgcctac 540
 tcccctgatg gccagagaat agtcaccgct gccgacgacg gcaagatcaa agtttgggat 600
 gtcaagtcag ggttctgtct tgtgacattc acagaacaca ccagtggagt aacggcctgt 660
 caattttcga agaaaggaaa tgttctgttt acctcatcgc tggatgggtc tgtgagggca 720
 tgggatctta ttcggtaccg gaatttccga cgtttacggc gccgtctcgc ctttcattct 780
 cctctcttgc agttgatcca gcggagaagt gatttgcgcg ggggtcccaga ttcgttcgat 840
 accacgtatg 850

<210> 21462
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21462
 catgggtata cgccctaagg tttctgccag agctgctgga agaatgggac tttacagagc 60
 gctatcccag ccaggaggaa atccagtggg acctgagact tgtcgttgac cgatacgacc 120
 tacgcaggaa cattaaattt agggccatcg tcgtatcagc gcattacggc gattgtgaca 180
 atctctgggtc aatcaggacg aaggatggga gtatggccac ctgcgcgatac ttctccctg 240
 ctacgggcat tacgtctact cccaaggagc catcgttccc tgggctgcgg cgttcaaagg 300
 ggagatgcac tcaacgtcga cctggccaga gcatgaggtc aactctgaaa acaaacgaat 360
 cggcgtgggtc ggcacagggt cgtcaggaat ccatgtcatc acgaagcttg gccccgatgc 420
 tgggcagctg acaattttcc aacgaacgct aaattatgat attccagcac aaaattatcc 480
 tcttgacgag caaaaacaga ggaagtcaag aagaattttg gcgtgacatc ggatattgcc 540

aaggtaaatt tggcggggcca cgccgataag cattcgggaa gaactgtctc cagtgttcgc 600
gattcagaag agatccgaca tgtcttcgaa gatgggttggg cgcggttggtt acaatttcca 660
actcggcaca tttgatgatt cgttcattgga tccagacgcc aatgctgcca ctgcgaactt 720
cattcgtcac aaaatccgtt ccatcgtgcg cgagcccga accgccgaag ctctctgcca 780
ggcctatctc tttggggcga gacgtcctcc ctgtgcagat agatactacg agacgtttaa 840
tcgttgtcac 850

<210> 21463
<211> 505
<212> DNA
<213> Aspergillus nidulans

<400> 21463

gcagtacttc ctcttttcca attccagtcc gtaccccgca cgcagaaagc aacaaccacg 60
cgcataaaacg caactgccat agctaccccg tgcaacaaac actaaacaat aaacagtccc 120
aagccgttaa gccaacggcc agatctttct ctcaggccag attcccgcag acaagaacgg 180
caaccttgct gaaggtgaca tcaggactaa gactcaggct tgctgtgaca acatcaaggc 240
tatectggat gctgctggct catctgttga caagatcatc cgtgtcaatg taagtcgtgt 300
cgtatgaact gtcatttagt gtgattgggt tggctgatgg tagtaatggc tttaggtctt 360
cctcgatgac atgtccaact ttgcggagat gaacgctcag tatgagaagt tcttcactca 420
caaaccgcc cgatcttgca ttgctgcaa gcagctgcc aagggcgtcc cagttgagat 480
tgagtgcac gctcttgct aaagc 505

<210> 21464
<211> 437
<212> DNA
<213> Aspergillus nidulans

<400> 21464

tcctccctgt gcctgaagtg gtccctttcg gcttcacgcg cgatttggtg gacggaatgg 60
gcatcaccaa accgaagggc gtcttccgac gctgctgcga gttcaccctc gaagcactgc 120
gccaggaatc atacagcatc atgaccatcc tagacgtgct gaggtacgat ccgctctaca 180
gctggacggg gtcgccactg cgaatgaaaa agatgcaaga acaggacacc agtgatgggc 240

cgccagttct accggggtct acgactgatc aacagcggcc aaccaatgaa ccgagcgagg 300
 ctgacagagc gctgacgggt gttgcaaaga aactgagcaa gacattgagt gttacggcga 360
 cgggtgaatga actgattcaa caggcgactg atgagaagaa ccttgctggt ctttactgcg 420
 gtatgtttac tcctoca 437

<210> 21465
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21465
 accctgaagc agcttgctcg taaggaaatg gctgagatga agcctttgcc cagcggtttac 60
 taccctgact tcacgctgc caaccaggag gatcgtgccg acaacgtcct cgagggcagc 120
 aaggcctcgt gggctcatgt tgagaagatt caggcggata tccggtaagt tacttacact 180
 gcaatttgag aaacctcact aactgtagca gcaatttcaa ggccgaaaat ggtcttgaca 240
 aggtgattgt catgtggacg gccaaactg aacgctacgc cgacattctc cctggcgctca 300
 acgacactgc tgagaacctg gtcaactcca ttaagtccgg tcacaccgag gtttctccct 360
 ctaccgtctt cgctgttgct tgtatcctcg acaacactcc tttcatcaac ggggtctccc 420
 agaatacctt tgttcctggg gcgaatgagc ttgccgagaa gcacaacggc ttcacgtgg 480
 gcgatgactt taagtcttgc cagacaaaaa tgaaggctgc cctggttgac ttcttgatca 540
 ccgctgggat aaagcttacc tcgatcgag gtccaacacc ttggtacaat gaccggagga 600
 ccttgagtcc caaaagcggg tccgttcaag gagatcccag ttaacggggc gaagcacggg 660
 tgtgcaacct attgtgccga ggatgacct tgacactggg ggaaaaacag cctggtggga 720
 acaaagggct tggccacctc ccggttttag ggggccaac tacttgtaaa ctcgaggatc 780
 tttccctttt cttaaacttg ggggtgtcgaa gacccccaac gagagggggc ccaagatcta 840
 cttttattat 850

<210> 21466
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21466

aaacgcatct gtgccagact gtatcctggc agtcctatta cgcagaccga gcggctagtt 60
 gactttgtct ccattctttaa cgttgctata gtccaagaaa ggagactggg agttctggga 120
 ggtccctggg aggtcaatct acgtgacatt cagagatggc ttcaattggc tgatcgcggg 180
 actttgcaaa tacacacgaa gaacttcttc gatataatca tctcccagcg atttagatgt 240
 caggaagatc gagagcgggt ccgccaccta tacgaacgtg tctttgatgg tgtctccacg 300
 gcagccaaaa gttattatca taacatgaca acagaatgca tgcaggttgg ccttggagtg 360
 atgcgaaggg atatgttgct gcaagaaact cccaatccgc atctcaaggt actgccgagg 420
 gatctgtcta tctctgaatc tctcatgctt tgcattgaac agtcatggcc tagcattctg 480
 gtgggagctt caggatgcgg taaaacaaca ttgataagaa agcttgctgc cattaacgga 540
 gccaaacttg ttgaactagc tttagcgcg gataccgata caatggacct cgttggaggc 600
 ttgcaacaga tcgaccacaa cagagagacg tcggctcttt tagaggatat ttgctgttc 660
 gtgagacgac atatactctc cagctgcccg tccgaaacct ctcaagaaga gacgtatact 720
 ttgattgaac tgtatgaacg gctacagagc cctgacttgt cgctggagct agtgtgcacg 780
 ttattagaaa ctgctcgcca gcgttacgag gaccaagcat tagagcgact actcgatcga 840
 tcgccaaccc 850

<210> 21467
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21467

agccgagaga tgcaaaggaa tattccgata tctgcgttgg atacgggggtg agatagcttc 60
 ctctactata atgggccagg accacatcgg taaatatact gacagtatta gaccgactca 120
 atctggtacc cgcaatcgga agcatgtctg accttgaatg tcattcgcca ctcatcagtc 180
 gacgaaacct cctctctccc agtaggcgtc tggatccatg gcggtggctt ctatcagggc 240
 tccggagcag accagcggta taacacgtct gctatcgttg cgaatgcgca gagaatcggg 300
 gcgactcagc ccgaacataa acctattatg gctagagcag gctgacaaga tcaattaggc 360
 aaacccttta tcgcagtgc aattaactac cgcctctcaa cctggggatt cctcaactca 420
 gccgagatca gggaagccgg cgccacgaat ctgggtctgc gcgaccaacg tctcgccctg 480

cactggatcc aagagaacat agcctccttc ggcggtgacc cgaagaaggt cacaatctgg 540
 ggtgagtcgc ctggaggaat gtcagtgggc aaccagctca tcgcctacgg cgcccgagac 600
 gacggcctct tccgagctgg aattatggag tccggcggct cgatcgccgc tagccccggg 660
 aatacaacgg cctaccagtc acagtatgat gacattgttg ccaaggctgg atgtgctact 720
 gccagtata cgctgcagtg tctccgcgaa gtcccctttg agtccttgaa cgctatcttc 780
 aacaccacga cgggagatcc agcgtattcc ttcgggccta cagttgatgg agactttcta 840
 cgcgagtggg 850

<210> 21468
 <211> 301
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21468
 ttacgtcgac ccaactggcg cgcttagatt tacgcaagcc cactcggcct acatcccgcc 60
 gggctcctcc ttagggccct tcgagtacat cctctgccct gagggctcag tattcggaca 120
 ttacatgtac agcggatggg gcgcgagcgg ttttatggcc tgcccaacgg aggataaccg 180
 ctggaaggtg tttggggcgc tggggaatgc gactgttccc agtggatgat tggaagactg 240
 tcttgggttc tcggcaattg cgggtcccag tgagcttgtc gggcagactt ggcagtatgt 300
 c 301

<210> 21469
 <211> 712
 <212> DNA
 <213> *Aspergillus nidulans*

<223> unsure at all n locations
 <400> 21469

cctcggacaa caaggtctac ttccagctgc accagaacgg ctctcgcaca gttaacacgg 60
 gcccgaatgg attggagcgt ctcgactaca tcattctctg ggccgagaag cgcggaatca 120
 agttggtcat cccgttggtt aactactggg acgactttgg tggcatgaat gcctacatca 180
 gcgcctatgg cggcgacaag cccggctggt acaccaatga taagattcag gctgcatatc 240
 acgcctacgt caaggccgtg gtgagccgct atgttgactc ccggcaatct ttgcctggga 300

gttggcaaat gagccccgct gcagtgggtg cgacacgtcc atcatcaatc agtgggcgac 360
 gaaaaccagc agcttcatta aatccctgga tccaaaccat atggtagcca tgggcgacgg 420
 tgagtccctt gaatctccct ctctctggtc gtagaccgcc gctaagaggg gatctctctt 480
 agagggcatt ggccctccctg gtgacagcaa ctatccctac tctactacg aaggcaacga 540
 ctttgcaactg aaccttgcca tcccgacat tgactttggc actctccatc tctacaccac 600
 cgactgtacg tatctnccgg atgaccagcgt tctgcgttct ctctccatat cgggtgctaa 660
 tgacttccag ggggcgtgag caacaactcg tggggcaaca agtgggtaca ag 712

<210> 21470
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21470
 attgcgtttg ctaacgctgc gctagttgcc aaacggaaga cctctttga cgacaggccg 60
 gtcgagattt ccgagttgac ctatgtcatc aagcaggacc ttgcgtcgct aaatcaacag 120
 attgcctcat tgcaagcact cacactttca caacatccga aatccaaccg gtcaaaaacg 180
 gatcaggagg gggagcacia tgataatgta cgttgaagtg aggatacaat gatgagttgc 240
 taacgtaggt caggttgtcg tcatgttaca agggaaactg gcagacgtgg gtgcaaattc 300
 aaggatgtcc tcgaggtccc gaccatgaac atccaagcat tgcgatcacg gacagaaaac 360
 ttcgtctcat ccgtttcgtc caagtcacag gctgctcttg acccacagcg gtctgattct 420
 ccgctatata cttctgggcy aagaacaccg cagcccggag gtcctcggga tcttttaact 480
 ctggagccgt caaatccctc tcctctagge cgtccgtcca tgcagtctga ccagcaactt 540
 ttgatgatgg aggaggctga gtcaagtaac tcgtacatac agtctcgtgg cgaagcaatc 600
 gacgcaatcg agcggacaat caacgagcta ggaggcatct ttggtcagct agcgcaaatg 660
 gtcagcgaac agtctgagat gatccagcgg atagatgcca acacagaaga tgtggtggac 720
 aacgtccaag gagcacagcg cgaactaatg aagtactgga cagcagtatc gggaaaccga 780
 tggctaatacg ctaagatgtt tggagtttta atggtaagtc ttctctgtgc atctgatatg 840
 cgtaattgct 850

<210> 21471

<211> 745
 <212> DNA
 <213> Aspergillus nidulans

<400> 21471

```
cgccaaaacc aaaaaagaaa cacaagaaca cgcgacacaa cgagaacaca caaaaaaaaaa 60
caaaacaaaa caaaaaacaa aacagaagag gggggggcgc cgaccgacaa ccaaaaggaa 120
ggaggcagca cccagcaagg agggggacac aaacacgcag acacaggaac acgcaagctc 180
gattccgcag cgacgagagg cacaaggcc cggggcgaga aaaaagcca ggggggacac 240
caaagacgga agcaccccc gccggaccag gcaccagcaa caagccagac caggcagagg 300
cagcccaaac aagacagaac gaagcgacag gagcgacaga cgggaaccag caggaacagg 360
gaagaaaaaa aacaccgggc aaaagagggg cccaacaaa gccagagac ccgaacaaa 420
ggaccacgcg cgcgagaaga gcagaaacca aacacgagac aaccgagca acgacaaaac 480
ggcaacagcc aaagaaaggg gcagaaccac cacacccaa gcaagacacg cccagccaga 540
cggggaagac accagcagaa accaccggca caggagacg accgaccgaa gagacagagc 600
cagacgcca gaggaacaag cgggacagaa aaaaagcaga cccaacaaga ccaccaaagg 660
aaacaggggg gcaaaacaac aaagaaacaa gggcacgggg acacgaggaa aaacccaacc 720
gcaaccacga acaccaaaga cgaaa 745
```

<210> 21472
 <211> 380
 <212> DNA
 <213> Aspergillus nidulans

<400> 21472

```
atattaccag aatccacaca tcagttctgc ctaactgac tcccatcagg atctttttgc 60
gtctctgggc gctctctctc gcgcaccaac agctctctat tgtcctctgg gacatgactc 120
tcggcaccgc gtttgatcaa gaagacggca ccattcgtac catcatgac attgtcacct 180
tctacatgtg gttcactctg actattgcc ttctctgtgt gatggaggga accagtgcc 240
tgttgcactc gctccgtctg cactgggttg aggccatgag caagcatttt atgggcgatg 300
gtataccatt cgctccattt agctttaaga ccctactgga ggaggatccg gttgattgaa 360
cggtttagat taagctggct 380
```


<210> 21473
 <211> 629
 <212> DNA
 <213> Aspergillus nidulans

<400> 21473

```

ggtatgatca agcacactgt ttcttttgca atatacttac catactatag tgaccctgca 60
ttgctggaga agatcacgaa gtccctaggt attaacattc caccgtacat cttacgatcc 120
cgcgatccaa ggaacatcat gaccactttg ttctcgcagt ggctaccgct ctccacagca 180
cttttggtgt cagtcattga gtaccttcct agtccgcgaa cagctcaatc atcccgatta 240
ccgccaatga tagaggagtc gccagggtca aagtacgtgg atgccgctgt gaaggatgcc 300
atgattcagt tcaagactgg cccaaaggag cctgtcgttg catatgtag caagatggtc 360
tccatcccg aaagtgagct gtcttctagc aagaagaaaa ctggaacgat gtctgcggat 420
gaggcgagag agttagctcg aaggaaaaga gaagaaattg ctaaaatgca agcagaagca 480
agcacgaatc aagcagacga cttctcgcga gtaacatctg cgttcgagcg ggtccaaata 540
gacgatgaga atcagcccg cagaacaggaa cagaaggaag accccgagca tctgattgga 600
tttgcctgtc tctattctgg aaccctatc 629
  
```

<210> 21474
 <211> 356
 <212> DNA
 <213> Aspergillus nidulans

<400> 21474

```

gcaataacaa tccgtcctgg tatgtgatca gccgttttaa tgtaccaagg accaatgata 60
ccgtgccggc tgctgataat tatctcgtcc ggccatggga gtcgtatcgt cgcgctgtgt 120
ttcagcaggt ttacctaagt aaaattatta caccggctgg gtgggagcga tggtcgacca 180
gcagccctaa tacggataat gccacatttg cggagtatgc taactacggc cctggacctg 240
tcctggaaga gggaccgcga gcgagcttca gtgagcaatt ggatgcgcga atggagatcc 300
agtcaattct ggggcataac tttcaacgcg agtgggtgggt ggatactgat aacctg 356
  
```

<210> 21475
 <211> 850
 <212> DNA

<213> Aspergillus nidulans

<400> 21475

attgccaaaa gcagacggca caggactcgt cgatagcgtc tcacgatctc cttcaccact 60
cggcctgatt cctcttcaca cccgctaccg taccttcata caccgccatg agattccgcg 120
caaactgctc caggtctcga ttggatttct gacgctccat ctatacagcc gcggcattca 180
aacacaccag atcacacctt ggctcttcgg agctcttggt cccatcgccg cgacagactt 240
cctgcgtcac cggttcagaac ggggtcaacag gttgtacatc cgctgcatgg gtcggcttat 300
gcgcgaaaca gaagtgtccg gctacaacgg cgtgatctgg tacctcggtg gcgcatatac 360
cgctctccgc tttttcccca aggacatcgg cgttatgggc gttctgctcc tctcctgggtg 420
tgatactgcc gcctccacct ttggccgcct ttacggccgc tataccttta gcttgcgcaa 480
ggggaagagt cttgcaggta ccttcgctgc ctggctagtt ggggttgta cgcgggccgc 540
cttctggggc tggttcgttc cctacattgg tacctttccc aacgatcccg aggacgcatt 600
cctttacaca ggccgtctca atcttttccc agatcccggt aagcgactca ttgggtggac 660
agtaacatca ccagacaccg agtcgggctc tgttatcacc ggcccgtag cgctgggctg 720
catgagcggt gtatccggcc ttgtggccgc aggctctgaa tttatcgact tcatgggctg 780
ggacgataac ctgactatcc cagttctcag tggcatcggg ctctgggggt tcttgaagat 840
ttttgggtga 850

<210> 21476

<211> 635

<212> DNA

<213> Aspergillus nidulans

<400> 21476

tgaccaactgg tcccctcggg cagggtttcg ccaacgctgt tggctctggct attgccagg 60
ctcacagcgg tgggtgtctt aacaaacccg gatacaacct cttcgacaac tacacatact 120
gcttcttcgg cgatggctgt gctatggagg gtgttgccag tgaggccgct tctactgctg 180
gtcacttgaa gtcgggaaac ctcatgcca tctatgatga caaccacatt tctatcggtg 240
aggttgcagc cgtcttatat aacagaacac ttgcttactc aacggttttt cagacggtga 300
caccaagtgt gctttcaccg aagacgtcac taagcgcttt gaggcctacg gctggcacgt 360

cgtttggggtt aaggacggtg acaacgacct cgagggcatc gaggtctgcta tcaaggaggc 420
ccaggccgctc aaggacaagc cctccatgat ccgcctgact accaccatcg gtttcggttc 480
taagctccag ggtaccggcg gtgtccacgg taaccctctc aaagccgacg acatcgaagg 540
gtgtcaagaa gcgcttcggc ttogatcccg cccagagctt tggcgttcct cagcaggctct 600
atgaccttta ccccaaacac ccccaagagg gtgct 635

<210> 21477
<211> 386
<212> DNA
<213> Aspergillus nidulans
<400> 21477

accctgacat gaccactttc gtatgctct gtattgcaga gttcttgtct ctgtacgaga 60
ctgagcgcat gatccaggag ctgacaagct accaaattga cacacatgct attgtagtca 120
accagcttct tttccctaag cagggcagtg actgtgagca atgcaatgca cgcagaaaga 180
tgcagaagaa gtacctggag cagattgagg agctctatga agacttcaac gttgtcagga 240
tgccgttgct cgttgaagag gtccgaggga aggagaagct cgagaagtaa gttaatttct 300
tcgcatacat tgtcactact ttgctaatec tctgatcag attcagcgac atgctcatca 360
acccttatgt gcctccaaac taagcg 386

<210> 21478
<211> 584
<212> DNA
<213> Aspergillus nidulans
<400> 21478

tcgacgtctc tgccgctctc cgcttcttca ggccagaact tgacctaat ttcaaggcta 60
gcctgaaaga gggaccccc agcgtctggc ttaaccgcca aaactttccc gaaaccagca 120
agactttcaa aggccgtact ttccaaccag aatatgacgt cgagtacgca gacaccctga 180
cttttggtca gctctccacc ccgcagcaac gcctcgtoct cttocttcgt gccctcattc 240
ataagccaga catcgtcatc cttgacgaac cattctcogg catgtcttcc tcggtacgcy 300
acaagtgcac tcaattccta gaagtcggcg agcggaaccc cgtttcaacg gctactagac 360
gcgccggcgg taaaaacccc tggactgttg ccgtcacggg tgacgagggc gacaaagatg 420

tccgttttca gagaacatt ctgctgaaa agcgacactt cggccttacg gaccagcaag 480
cgcttataat gatcagccac ttgcgcgaag aaatccctga tttcgtccgg cactatatcc 540
gcctgccctc cgcgcaaaat gacgacgcca cagggttgga cttc 584

<210> 21479
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 21479

gcaggttctt cgatcgctat ctgaaaggta tcgagaacgg ttgggaacag gcaactccga 60
gggtgcgctg gtcggccctg cagtttgggg atcgcgaggc gatcgataat atcgtgctcg 120
aggacttccc catgcccaag acgcagtatc gtgagttatt cctgtcgaag aataagttga 180
atgagagccc cgggtcagac tacgagattg tctcttacia ctctgaatcc tcgtccgact 240
ttgcggaatt ttcattcacg ttcattgcagg attctcgact cattggcctc ccaaaggcta 300
tcctgtacat gtcctgtgaa gaccgcgacg acttcaccgt cttcgtgatc atccgcaaga 360
aagataagaa cggcaagccg ctgatgcacc tgaatttccc cttccacgct accccggttg 420
catcgatcga ggagattccc ccaaaggagc aagcgagcct caacctccac cccggttctg 480
tcgggatact gcgcgcttcc catcgcgcct ttgatcccgga gaaaagtatt caccgcgact 540
ttccgttcca ccccatact agacaggaga aggtgaagcc cggggagatc gtcaagctgg 600
agattggtat ttgggcgatg ggagtggact ttgaggctgg tgagacgggc agcatcaggg 660
tgagtctccc tcgagaggtc catgcttagt tagggttaac gatgtgcagg tatcgggcca 720
gtacccgagc atcgcagagt ataagacgtg gtcgaggcca cgacctgagc acgagctgaa 780
ccgcggaaaa cactttatcc attgtgggtg ggagtgtccg agttctgtta ttttgccatt 840
tatatagttt 850

<210> 21480
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 21480

agcgtctaac gacgagtacc ctggcgccac agtcgatcgg ctcttcggcg aagactacct 60

gcacaagatc tacttcaaag cggattcagg atataagggg cggttactcag ttccagtact 120
 gtgggatcgg aagacgggga cgatecgtctg taatgtacgg ctcattectc gaggccctct 180
 caccaacaca agtgggggtt agcgatagat gccgtcactg atgacatttt atacgggtaca 240
 ggaaagtctc gagctgctcc gctgggtccc caatgcattc aacgacttta tcccgtectc 300
 tttggcatcg atagacctgt atcctgaaca cctgcgtacc gtaatcgacg gtctgcactc 360
 ctggatcctc ccacatctct gcacgggcgt ctacaaagcc ggattcgcgt ctgaccaaga 420
 tcaatataac aagaacgtga tccccgtgtt tggagccctc aacaaactcg agaagattgt 480
 ctttgccaac ggcggggccgt tcattctcgg ctaccagatg accgaagtag atgtcacagt 540
 ttacgctacc ttggtcagat tcgacactgt ctatgtccag cacttcaagt gcaatctcgg 600
 cacagttcgg catgattatc ccgtgctgaa taactgggtg aaggcgatgt attgggatgt 660
 ccctgcggcg agggagagca cggatttcag gcatatcaag gagaacgtat gcccccgctc 720
 tgacattgtc cgtctgttgc gacagtgggtg aggcttatga ggctgatgga agcagtatac 780
 aaagagccat tatgatatca accccaaggc cattacgccg cttggggccgt ggccggacgt 840
 cgaggaaggc 850

<210> 21481
 <211> 519
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21481

atgctcggca agatcgtctc cgaagaagcc ttcgcgtccc cacgttttga agagaagacc 60
 cgctgggtggg catctctctt ctctacagac cccgaaaccc acgttaagga aatcacagac 120
 atcaccaaga tgcgcattga gcacgcggac aagtatggcg tcggttacca gattctttcc 180
 tacactgccc ctggtgtaca ggacatttgg gaccccgcg aggcgcaggc tctcgcggtc 240
 gagatcaatg actacattgc tgagcagatc aaggagcgcc cggatcgatt tggggctttt 300
 gcgtacgttt tcatccgtgc cttctacttc tgtgatcatc taggaacaaa gacacaaagt 360
 tgggacgggt aagctaagtt agctttgtgg taggacactg tcaatgcacg atcctcaaga 420
 agcagccacc gagctccgtc gctgtgtcga gaagtacgtt ttcctcggcg cgctgggtcaa 480
 cgacactcag cgcgcaggtc cagacgggtga cgatatgat 519

<210> 21482
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21482

```

ggttctggct tatattcggg ggtgtacagc tgggatatgt gatcggtttt ttcgattcca 60
ccttgatggc gtccagtcac cctgtcatca cctcacactt ccatgcgtcg aactcggcctt 120
cctggctttc aactgcattc ttattgacat cgacggcctt tcttccactt ttcgggcgcg 180
tctcagacac gttcggggcg aaacctgtgt atttattcgc tattgccgtc tttttcctta 240
ccacagcgtg gtgtgcaatg gcgcagagca tagggagttt tatcgtagcc cgtgcctttt 300
gcggactcgg ggccgggggt gtcttttcaa tgggtatgat tctgtccagt gatctagtcc 360
gcatcgagta ccgtggcatc taccaatctt atatcaatct ctgcctcgga ttaggtgggt 420
gtcttgggtc tgcgtttggc ggatacctgt gcgatcaagt gggctggaga ggtgcgttct 480
tcgtacagct gcccttcac ttcgtttatt tccttgcgtc cgcattggaca acgccttctg 540
gtctgggatt gaagaaccag acagaggaaa gaatgacctt cttgcagctt ctcaggagcg 600
tggaacctgt gggctccgcg ctcttgggtc ttaccgtcac cgcattgatc atgggtctca 660
atctgggtgg taatgtctat agctggactc atcctctcgt gatttcatcc ttggttatct 720
cggtcactct ggcaataatt ttcgttccat atgaaaaacg cgtcgagcga gcagtaatgc 780
ctattacttt ctaaaccaaa aacccccgcg ccgttcttat ttttaaaact tcatggctct 840
ccgaatggat
850

```

<210> 21483
 <211> 651
 <212> DNA
 <213> Aspergillus nidulans

<400> 21483

```

caagagagat aacagcaacc caggggggac ccaaagaagc caaacaaggc caccactgc 60
accagttct tcccaggaag cggaaccaa cagcaggcga cccaacaaa agcgacgcgc 120
gccaaccaac aaaggggatc cgaacaagca gccagccaaa caccacaaac aggcccaaaa 180
ccaaagccag gggacgaata taagcaccca cgcctgcc aagaacac cacaagcagg 240

```

gggcaccacc caagcagccc aaggagaagg gcagccaccg gcccgcccgg acagcataca 300
agcaacaacc aaaacaccaa gcaagcccag cccaaacgac cccaaacccc aaaacacacc 360
cccgaccaag cagacgccaa cagcccctgc gcaccacaaa aggccgaacc agaagggccca 420
ggccagccac acccacagcc acaagacaaa accccaagc cgggacacac caacccaag 480
ccaaaaaacc aaaaccgcac acaccaaagc aacacaacac accagcccaa gagaaaccac 540
ccgaagaaag ccccccacacc ccaaccggga caagaaccaa gcgacaaaaa accgaagaca 600
accaagcca caccgagaga aaacacgctc gcccacaaacc ccacaagacc a 651

<210> 21484
<211> 523
<212> DNA
<213> *Aspergillus nidulans*

<400> 21484

gaggatgctc cagctcctca gcctgaagtt ccctctaccg agcctgagca gcaacaacca 60
gcagcagaca cacctcaacc tgagggtccc tctactgggc ctgagcagca acaactagca 120
gcagacacac ctcaacctga agaggcgctt gagctgcaa ctgcttctac gacaggagag 180
gagcctaacc ccctcgctaa atcagagggtt acgaccagc ttgtcccaga gatagtacca 240
gatctcaaac cggtacttga gtctgcgccg gaaagagaac cagagccaga gcaaacgcag 300
aacatcgagc aatcccagac gccgtctgac ccggacattc cttctcaaac accgctcgaa 360
gacaatgatt tcaactgaaat aaccaaacac gacacttcgt caaatcaacc tcccggtagt 420
atcgataccc agattgagca caaccaggaa cctagccacg acgatctagg cgtatgggaa 480
caactcgaca cagctgaagc agaaaaaac cagcagcgca cgc 523

<210> 21485
<211> 573
<212> DNA
<213> *Aspergillus nidulans*

<400> 21485

taaaaactat tataaaaaaa gctttattta tataagttat tccccaggta cagccctagt 60
attatataaa aactaaaaaa gggctatagt tctatattaa ctattatattc ttaaataatta 120
ttactaagag ggactattat ctattactcc taatttataa aataactaac taaattaggc 180

aagctagata atttcttaag ctagatatat ttactacttt ttataagatt tatatggcta 240
aagattagga ataaataact actttttata taaaatatag actcttttaa tagctagtta 300
ccctttttta gttagcta atactatata tcttctaaaa atatattaac tagaccttct 360
aggaatatct agataaattc tattctatat atcttattaa tataacttatt tatactaata 420
aagacctcta ccagtactag aaatatatat aaatagtctt aaactagaaa aaataaagta 480
cctaggcttt ataataaag caggaaaaga aattaaaata gacctaaaaa aagtaaaaat 540
aattaaagaa tggaagattt ttcaacaata aaa 573

<210> 21486
<211> 317
<212> DNA
<213> Aspergillus nidulans

<400> 21486
cgctcctcttc gatcaggagt cgaaggcttc tagccttact ggtgaatgct cggcttttga 60
tgcagacatt gaccaatggg ctgagtatgt tactgagtag ttctagccta attatcatgt 120
ggttaggctt gctgtatgat ggctagggaa cttgggtggtg ttgttgatgc tacgctaagt 180
tgtataggac gaagggactg catgttattg atgggtctat cccgcctacc caggtttctt 240
ctcatgttat gactgtattt tatggaatgt ccttggaat tgctgatgtt atcctgggtg 300
accatgcaaa ggcttag 317

<210> 21487
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21487
agatacgctt atccataacg aagccgtctg gctcgtgctc acaacgaaga agcacgttgt 60
cgacaagaac agattgaagc ctggcaaat cagtattcca cattcgctga atgcgtcgcc 120
ggcgctcagc atttgcttaa tcaccgcgga ccctcaacgc tctgtgaaga acattgtttc 180
cgacccatcg tttcccgagc atctctcgtc ggcattgag aaggtgattg gttattcgaa 240
gttgaaggac cgatacaaga gctttgagag ccggaggcaa ctactctccg agcatgatgt 300
ctttctggct gatgatcgga ttgtcatgct tctggtcaat acgctgggca aagtgttcta 360

caaatctagc aagcggccaa tccccgtgaa gcttgcgagc attgaaaagg tggatgggaa 420
 gaggggtgaag aaagatccga agcagcagca gaatcagaag gacgatgaga ataaggtcag 480
 tttgttcgag agcacggcaa ttgtcgagaa ggagatcgag aaggccctaa actctgcgcc 540
 cgtacatctt gctccggcta cgaccgggac tatccgggtt gggtcgtcga acttcacacc 600
 tgagcagctg tctgagaaca ttgaggctgt ggtgaagggg ttgacggaca agtttggttac 660
 aaaggggtgg cggaatatca aggcgcttca catcaagggt gccaaacta tggctctgcc 720
 gatctggttg gcgagcgagc tgtgggtgga ggagaccgat gtcgtggaga ccattgaaga 780
 tggagaggcc gacggcaaga acaagaagcg gaagcagatc gagggtgagg gcgagcagaa 840
 actcctagaa 850

<210> 21488
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21488

attcgagcgg gaactatgga gaaatgtggt gtcttgctgc gcagccgagg tggcagccgg 60
 cgaagggagc tgacaacaaa ccgatgcccg ctgccagggt tgagttcacg gggcagcatt 120
 tggcggctgg gtgcgcggat gggtcgattg tgttattgtc gactgcagac gatgatttga 180
 agtttttgcg aacgttgagg ccgtcgacga agaagccgag cgtgttgagt gttacgtttc 240
 agaaccggaa tacgattggt gcgggctacg cggatagttc gattcgggtg ttcgatatcc 300
 ggaatgggca gcttttgcgg acgattagtt tgggtaagggt tccgacggga ggttcgaagg 360
 agttgctagt atggtcgggt aagtgcctgc cagatgggac tattgtttct ggtgattctg 420
 ctggtgaagt gcggttctgg gatgcgaaga actactcact catccagcgg ctgcagggcc 480
 atttggcgga taccctggat gttgcggtaa gcgcggacgg cgagacgggc gttagtgggtg 540
 gtgcggacca acggactggt gtctacagaa agaaggccgg cgagaaagggt gacaagagca 600
 gtcgatgggt ggaggtgacg catcggaggt accataccca cgatgtgaag acgtttgctg 660
 tctacgagac caagaatctt agcgttgtgg tttctggagg tatgatctca aattcctggt 720
 ggtcaatatt ggctaattca agcaggacct gatgccacc cggttgtcct cccctacga 780
 gaattcggaa aagagcatca tcgaaatcta ccaagcctcc cgcaagtacc tccggtcgtc 840

tccgcgcctt

850

<210> 21489
<211> 460
<212> DNA
<213> Aspergillus nidulans

<400> 21489

caatgtctac ctgctacacc acgccgtttt catgggcgga gatgctggcc cctagtcgga 60
aggcgacatc tcggccaatc cgatcgagca cgtccttccg caagtgatcg aagcgacgaa 120
ccgcgtgctt atcggcaacg gtgactacga catgatcatc atcacgaacg gcacactgct 180
ctcgatccag aacatgactt ggaacgggaa gctcggcttt caggaacggc caagcgagcc 240
gatctacctt ggtgcggacc tgccggatct tgagtgggca gaggtccgcy cagaaaacgg 300
gctggatgtt aaccagccgc aaggggacgat gggagtccag cattatgagc gcgggctcat 360
gtgggctgag acgtatcaga gtgggcatat gacgccggag tatcaaccgc gcgtggcgta 420
tcggcatctg gagtgggtgc tggggatagt caaatcgttg 460

<210> 21490
<211> 850
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 21490

ccattcatcc ccgaagatca aagaaatag actacgcgat tgcgtatgac cagagctttc 60
gatagatact gatttcgacc ccctacccat ggtcgctgcy gcttaattcg ccctaaacgt 120
tcggatgact cgatacgcyg gactagggag aacgcgcccc aaaaagctca ctcccaaggc 180
gcctataccc atttaccgtg agcaccagat agatgacctt gaggaagaga tccaaaatgg 240
cctacagcag gttgaaaccg gtgttgagaa ggccgaggag tccgtaagtg tttatccgaa 300
tcatccctgt ttccagtcac gtgatatcag acaacctcat ctcatcatga aaaatttgca 360
cgggtcacta cccctttacc agcgcaagct aatgcactgt tgcggtatag gaataccatt 420
tgcaagttgc tatcaatgca gttgcatcgy ggagagttgt aaatgaggcc catattccaa 480
ctccagagac cgtcctcagt aacctgcaat atgacgagct atatccacca gttttctcgc 540
agcctgcgac atatatccgc ttctcttcca cgggtggagga ctgttgcggy tgtccatata 600

acatgactga cgaggatgat gtattcctga agatcatgaa cgagaagcgg gaccccgtg 660
 accgatgcac ggaggaccag tttagaggagg tcatgaactt cttcgaagag acggtgcat 720
 taaagcagcc gtacgcagcg gtaggcagtg ctccggtctt gagttttgca gaaatgcaag 780
 agtccatgga tgcaaccgta gaggattatg taaggcgatt gngcaaggac gtatacgacc 840
 actggaaaac 850

<210> 21491
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21491
 tgagcaattc ctcgctgggt tgaagggcgt gcacgacccc gaacagaagc gcaagttcat 60
 cggcggcaag ttcacgcacg ttttcgagga tgaggcgcgc aagattgagg ccaagagcaa 120
 cggaaaggctc gagggttcc tccagggtag cctctatcct ggtacgtcta ctctgattca 180
 tcaccaact ccttggtctt gctaacaagt tccagacgtg attgaaagta tctctttcaa 240
 gggccctcc caactatca agactacca caacgttggc ggcattgccg agcgcccat 300
 gcgcggccac ggctcaagc ttattgagcc ctcctgtaa ctcttcaagg acgaagtccg 360
 cgagctcggc cgccaactcg gcattctctc ggagcttgct ggtcgtcacc ctttccctgg 420
 tacgcactta tcctaaagtc cactcattat caacaccatc cacaaaacca aactaacaaa 480
 aaaatacagg cccgggcac gccatccgtg tccttggcga agttactcgc gaaaaagttg 540
 aaatggctcg ccaggccgac cacattttca tctccatgat cgcgaagcgg gcattctacga 600
 cgagatcggc caggcttatg cggcactcga tccttccgc gccgtcggcg tcatgggcga 660
 caagcgcgtc tacgcgaaca ttatcctgct ccgtgcaatc tccacgaagg acttcatgac 720
 tgccaccccg taccattct cgtacgagtt cttgtccaag gtgtcgacaa gaatcgtaa 780
 tgaggttgcg ggcgtttgcc gcgtttgcta cgattacacg agtaaaccgc ctgggactat 840
 cgagatggaa 850

<210> 21492
 <211> 756
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21492

attgccgttg accctgtagc cttagtgacc acagaatgta ttacgggtcac gtcggccatg 60
cggaacatg cccgttgggc aactcgtcc gttgcggcca ttctcggcag cagtactgtt 120
tctcagagtct atgaccgtga tttgtctcct tcttccagtc cgctcaatgg ggctacacct 180
acccgctcta ggtcgagggt ctccgaggac gatgatcacg cctcgcgaa tcggtgggggt 240
ctgaggggga agagaggcaa gagtatacag gataaccctc tgatatccgc cttcactcgg 300
ttacggaatg acctcaagga ctgcaaagat atcaagacct ttgacgcccc agcgttatta 360
caccggttcc tccagggtcgt tcgctcctct tcgacgtccg ccgcaatcac ctctcttgct 420
ttgctcgcct tgaccaagtt cttctcctac aagatcatcg accgtaactc tccgaggatc 480
tcgatggcta tgcagctgct atctgcagca atcaccact gccggttcga agccagtgat 540
tccgcgcgcg atgagattgt cttgttgagg atcctgaaat tgatggaggg catgctggcg 600
gggcccggagg gcgaactcct gggagatgag agtgtctgtg agatgatgga aacggggctg 660
agcatgtgtt gtcagggtccg tctctcggaa gtgctgcgga ggtctgccga gatagccatg 720
gtcaatatgt gccagggtcat attcatgcgc ctgtcc 756

<210> 21493

<211> 671

<212> DNA

<213> *Aspergillus nidulans*

<400> 21493

actgactctg atttatagat ggcggtgcct gcgttgccat ggtcggcaag gactgcgtcg 60
caatcgcttg cgatctccgc ctccgaatgc aagccctgac cgtctccaac aactttccta 120
agatcttcaa ctatgcccc ggaacatata tcggtcttac cggctcttgct accgatgttt 180
ctaccgtttc agacctcttc cgctaataag tgaacatgta ccgcctccgc gaagaacggc 240
acatcgcacc gcagaccctc gccaatctcg tcagctcaac gctttatgag agacgcttcg 300
gagcttactt tgtaagccct gttattgctg gaatcaaaa cacaacgggg aagcctttta 360
tttgccggtt cgatagcatc ggggtgatcg atttcgcaa ggatttcac gtgagcggaa 420
cggcgagcga tcagttgttt ggtacttgcg agggcttggt ggagccggat atggtgcgca 480
catttgatct attataatct cttgaccggc tgactgacct catcgtgtag tctcccgaag 540

atctgttcga gacaatctcg caggcacttc tcagcgccgt tgacagagat gccctgtctg 600
 gttgggggtgc acaggtatac atcatagaga aggacaaggt gactcagcga ctactaaagg 660
 gacgacaaga c 671

<210> 21494
 <211> 573
 <212> DNA
 <213> Aspergillus nidulans

<400> 21494
 gaaacgagac gaaaagagga tctgaggcga aagatggagg agtttaagcg gaaacgagaa 60
 gcggaagctc gcgaaaagga gaggcagcgg gagaaggaga gaatggaaca ggaactgcgt 120
 gagcgagag aacagctgga gagagaaatg gcggccgcgc gagaagcagc cgctagagaa 180
 gcaaagctac aagcagagaa ggaagcagcg gagcttcgtg cgcggtctaga gcgagaggca 240
 gctgaagcga aacttaaggc ggagaaaatc gccgcccagg ctcgacaaaag ggaaatagag 300
 gctcgaatgc gcgctgcacg agaggcagcg gagggcaaagg ccaagagaga aaaagaggag 360
 gcggaagcaa aggctaagaa ggagaaagag gaggcggaag caaaagccaa ggccgagaga 420
 gaggccgcag agaaggaagc ggctgcaaag gcagctgcaa agaaagaagc tgacgccaaa 480
 tttgaggctc tttaaagaagc ggcggcgaag aaatatgctg agaagaaggc aagggatgca 540
 caggaagcag ccgcaaaaga ggctgcggcg aca 573

<210> 21495
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21495
 tccacccgct gagccatatt cccggcccct ggcttgccgc tgccacgtac ctccccgaat 60
 tctaccacga cgtgggtcagg ggtgggcgtt acacgacaca gatccagcag atgcatgaga 120
 aatacggtag gaactctcta ggccgagtag tcagccttgc attgctgaca tgcattctcg 180
 tttaactaca ggtcccattg tccgtatcaa tccgcatgaa ctccactgca atgaccaccg 240
 cttcatcaat gaaatctatg ccggcgggac ccgaaaacgt gataagcccc ttcaccaggt 300
 cactgggagt gaagcgtaag ttgcgccgct gtatacgtca aaacgggaag ccgatgatga 360

tttaaactctt cttgtctccc agagccgcgc atgcaacatt ctccaccaca gaccatgacg 420
 tccaccggat gcgccgcaat gcactagcga aattcttctc ccgcgcccac gtattgaggt 480
 tggagccact gtccgtgggc ttgcagagcg gctgtgtgat aagatctgcg cacagagaaa 540
 ggacggccgt ttcacgttgg tgctgcgtat agccagttta cggcggatgt gatctcgggg 600
 tactgtctgg gtgagaactt gggactgatg ggccaagaag gatgggagga gcaaattgtg 660
 gatgaggtag cgacggtgct taggcttggc tgtacgctgc ggttcgttcc gtggtggaag 720
 cacgtcctgg gtgtggttct gctgtatgtg caacgagttt ctctaggtct tgaataagcg 780
 agctgacgat caatatagaa tccgcaaaca gctagtagga agcccgaag aatcctctga 840
 cgcactgata 850

<210> 21496
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21496
 atctttcctt cctatgatcg tgactcgtgg atcggaccaa gcacagattt cgtcttcatt 60
 tcaaatecga aatgaccctg gtgtcgtacg caactatgga aacatagtcc ttgagttctc 120
 tcgcataact cctgacggag tcgtcgtgtt tttcccatcc tatctataca tggagtcaat 180
 tatcagcatg tggcagggta tgggcacccg cgactctatt tggaactata aattgatcct 240
 tgtcgaaaact cccgatgcc aagaatcatc attagcccta gaaacatacc ggacagcatg 300
 ttgcaacggc agaggcgcct tgctatcttg cgtcgcacga ggtaaagttt ccgaggggtat 360
 cgatttcgac caccactatg gccgggctgt gctatgcac ggcgttccat tccaatacac 420
 cgagtcccgc attctcaaag cgaggctaga atttcttcgg gagaattacc gcatcaggga 480
 aaatgatttc ctttctttcg atgctatgcg gcatgccgct cagtgtttag gtcgcgtcct 540
 tcgaggcaaa gacgactacg gaatcatggt cctcgccgac cggcgggtcc aaaagaaacg 600
 aaatcaactt cccaagtgga ttagtcaggc gcttttggag agtgaaacga atctcagtac 660
 ggatatggca gtggcgactg caaagaactt tctgcgacc atggctcagc cgttcaaagc 720
 taaagatcaa gaaggatatc ccacatggag tcttgccgac ttggagagac atcgtcagaa 780
 acagatacaa gagcaggaga gactacagcg ggaaactttc gtcaggggg atagaacgaa 840

cggttctcgc

850

<210> 21497
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 21497

gacattgcga cgtggttggg gaggaatgcc actagccaac atgtcccggc acacagagaa 60
cactttggag aagagtttcg cccggtgaag ctgcagaagt ttgtctatgg ctatcatttt 120
tctggcaata acttcgcatt tgacaagctg cttactcaa agtaaggccg agctcctgtc 180
ttcgcgttta ttaagtgttc accatgatat agactttcta gtatcatcgg caccactca 240
gctaaaaagc ccataatgat attctgctcg acaaggaact ccactgtctc cactgcgaag 300
gaacttgac ggctgtggtc tatgtccagt cgtctagtag ggatgtggaa gggaccgaac 360
aagccgctac cggtaaaca cgccgatctt aaaggtatcc cttctcatag tggtaatat 420
cgtgctgtta tgctgacttg cgtgccgtat agtaaccact gctgcgggcg ttgcgtttca 480
ccatgctggc ctcgagaccg aagaccgaca cctcgtcgaa aatggatatc tgcaggggaa 540
aatcagtgtc atatgttgta cgtcgacact cgccgtgggt gttaaccttc catgccattt 600
cgtaatcatt aaaaatacaa taagctggca agatggctgc ggtcaggagt attcggatct 660
cgaagttatg caaatgcttg gccgagctgg tcggccacag ttcgacgata gcgcaaccgc 720
ggtaatatgg acgaggaagg agcggggttag ccattatgag aggcttgtat ctggctccga 780
aagcgtcgag agcagtttgc atctcaacct cattgagcac ttgaacgctg agatagggct 840
agggtacatc 850

<210> 21498
<211> 434
<212> DNA
<213> *Aspergillus nidulans*

<400> 21498

taccaagaac accttatact ttaagcaac tagaaaagca agcaactact attaaaagac 60
ttcttagggg gtatatatgc agtccttta cctctaccaa agctgcttta aatcagctta 120
taaaagacta taagttagct ataaatagta ctactcttct agcccaggaa aactataaac 180

tgtatactat atataaaaag aaggcttaaa agaggaagta atctaataga tagatagctg 240
ctatagaggg cctttctatt tataaaggct agaaccttct acagagctat aactaagcta 300
gaaaagctat atctactata ctagtagaaa taatagctgt agcaaaacag cacctactat 360
atactctact aagggtatact aattactata ttatagggtta tattagaaca agatgtccta 420
aaccaattac tagt 434

<210> 21499
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21499
taagggtcta agtatgattg ttggttaagtc tggctctggc aagagccttc ttctcgctc 60
gataacttggc gaatgcgata tccttgcagg ctacagtaaag gttccgctg cgccgcctcc 120
atcacaaagg tttgaccacc tcgcgctgcg tgagaactgg attatcgaca cagctatcgc 180
atacgtagct cagagcccat ggatggaaaa tgcgtcaatc aaggagaata tcttggtcgg 240
actgccgtat gatcggcagc gataccgcca gaccatcttc gcatctgggc tggagaaaga 300
tatgacgatg ctcccggacg gagatctaac tgatataggt gcaaattggga taaatctgag 360
tggcggccag agatggcggg ttccatttgc tcgagctcta tactctcgcg ccggaatcct 420
aatcatggat gacattttca gcgcgcttga cgcagaaaca ggccggcatg tctatgaaca 480
cgccttaact ggagaactag gccataacag aacaagaatc ctggcgacgc accatgttgg 540
cctctgtctc ccgcgcacag actactgtgt cctcttggaa aacggcttcg tcacacacgc 600
agggacagtt gctgaactga atgctaccgg agagttaacg aacctcatgg gtaaagccga 660
aatcagcaga gaaagagccg agccacctct tcgagagttg ccgaaaccga aacgctcgtc 720
tgctgctagt actggacggc gttcgtcagc attcagtgcg cggacgatac cgaagttaaa 780
ccaggaggag aagcgcgaga ctggtgcgat atcaatgaag gtgtagattt cgtatctgaa 840
tggggaggca 850

<210> 21500
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21500

atgaaatata acatacaact tgtttcgact gcccagaatg cgtcctttga gcagctcagg 60
tactgaggc cgaacagtcc tgtgacggtg aaggggcaaag ttcaggctaa aaaagcaaaa 120
aatgccgaga tggagaagcg ggatccatgg gagattgtcc tcgaggatat ccaacttctg 180
aacgactttc caagcgatat ctggatggcg ccgatatgg tccatcctcc taagcatagg 240
catctgcagc tccggacaag cagcgagcta cgcgaagcgc tagagtccg ggcgcaagta 300
cgcaatgtct gtcgagaaga attggagcaa ggccgaccac cttttgttga gattgagacc 360
cctctgttat ttaagtcacg cctgaaggag ctcgagaatt cctagtccg actcggaagc 420
atggtctggc atatgcgctc ccgcagagcc cacagcaata taagcagatc cttatggcaa 480
gcgggatccc aagatattat cagtttgctc gctgcttccg ggacgaggat cttagggcag 540
accggcaacc agagttcacc caggtaaata gggattatct cgtcaattgt ggtcttgtga 600
ctaataccgt cggttttagc ttgatctgga gatgtcttc gcaactgggtg aggacgtcat 660
gcgggttgtt gaaggtatta ttgcgcgact ttgggtcaacc ctgatggata ccgaggctcc 720
ttcgggtccg ttccgaaggc tatcgtacca ggatgcgatg actcgttatg gttcagacaa 780
acccgatacc cgttacggaa tggagatcta cagagttgaa catctactcc cagtggacct 840
gatcaataag 850

<210> 21501

<211> 553

<212> DNA

<213> *Aspergillus nidulans*

<400> 21501

catcttgccg ctgaacctga ggaaggatat gcggtcgaaa ttggccaact cgaaggcaaa 60
gaccgttagc acgagtaaaa ccggaagtcc catctgcggc gaccgcacag gcggccatcc 120
cattgaaggc ggatttatgg cttaccacgc tccctactac tacatgtggt ttagctgggg 180
gcgctgctgc gagttcaagg acccggttat gcggtcgaat gggaaagagt acgtccatcc 240
tctaccaagt caacctagta tctctattgg taaaactaac aaataaatta ggtaccgcat 300
tcgcgttggc cgggtccaaa gcgcacgggg ccccttcggt gataaacagg gcattgacct 360
tggtgacggc ggcggcgaga ccgtctacgg ctcaaacggc gatgtgtttg cccctggagg 420

gcaggggaatc ctgaccgatg agttcgggga taccctatac taccattatc ttaactcatc 480
 agtcagttat gactttgctg acgcgcgact tgggtataat cgggtggagt atgtggatgg 540
 ctggcctgta gcg 553

<210> 21502
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21502

cgccagtcct cgccctcgga ctctactccg aaaaccgcga aaagcgagaa gaaaaaccac 60
 aatgcccccc caaaacaccc ccgcatcaga ctccgatgca cctcccggcg ccggtacgcc 120
 tcataccag cccagcccat ccattaccc tccttcatt tgagtaaata tgacatatga 180
 tacgaatata gttaacatct cctccctctc gaccccgcaa ctccgcgcct tacagaccgc 240
 cctctcaacg gaactcgagc acctcacctc ttcacacgca aagctgcgcg ccgcacaata 300
 gcgcttcgga gactgcgtgc gctcgatcaa tgagggcgtg attgggtccg caaagaaggg 360
 gacggagggg aaggatgaga tcctcgtgcc gctgacgagt tcgctgtatg ttaaggggcg 420
 tttgacggat cgagagaaaag tgcttggtga tggtgggacg gggtattatg ttgagaaggt 480
 ttgtgtatac cctatgggca 500

<210> 21503
 <211> 537
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21503

gagacccta cggggacgac cgcgacgctc gttcccccat catgaatccc agcagcttga 60
 gtaaccgatc gccttcgcct gggcgaccgc tcgacggcta ccagctctca gatgcgccgt 120
 acggacatca ccatcacata gaaatgccct cgagtgcgac attggccgaa caaccgacgg 180
 taagatagtc aggaactggg gcggtagata tggatactga actggtgtgc gatagtattc 240
 ggtcgagaga atcccgagc cgtatggcca caacgaagcg tatgaagcg agaccaacat 300
 tatccaggtt acgagtactc ggtggacccc gaagcacacc atgacgctta ctatacccaa 360
 ccataccagc ctacagttac accgggcat gacgattatg acctcgcca gtatccagga 420

catcagcatt cttaccagga tgatgagccg atcctccaac cggaagaccc ctttcaggcc 480
 cagaacccat acagcgacga ctaccaggag gacatgacaa ttgccccaac gcctagt 537

<210> 21504
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21504
 gatgccgccc cgagtgtggg cattgcccc gtcaaggccg aacgaccctg catcctctgc 60
 ttccggcggcc agatctcgcg ctttgtcggg ctggatcggg gcctctttga cgcagttgcc 120
 ctctttcgca agcatctaga tgcggtggat actgttgta aggcgcaggg gctggtcagt 180
 atctacgccg cgcccgatat attcagccgc gagccattg aagataccgt taagcttcag 240
 acgatgctct ttgcgatgca gtacgcctgc gtcagacct ggatagactg cggcctcaac 300
 ggcaaggctc aggccctagt gggccacagc tttggagaga tcacggccct atgcgttgcc 360
 gggaccctga gcctggatga gaccgtccgt ttggttgcgg cgcgtgcgaa gctcgtccgg 420
 gacagctggg gcgctgaccg gggcgccatg atggctctgg aaggcgatga gggactagtc 480
 caccagctac tgtccgaggc caacggagct tcagggtctg atggctctgc gagtatcgcc 540
 tgctataatg gcccgcgcag cttcacgatt gctgggtcca ccagtgtgt cgatcaggtc 600
 cagcagacga tctcgcggcc cgaattcggc tcgatcaagg gcaagcgtct caatgtcacg 660
 aacgccttcc actcctcgct cgttgacaag atcagtgacg ggctggactc tatcggcaag 720
 acgctgacct tcaacagccc cctcatcccc gtcgagcgag ccactgaggt ggcctctgcc 780
 agagcgacag atgcctcctt cgtctcgcag cacatgcgcc aaccgtctt cttcaaccac 840
 gcagtgcagc 850

<210> 21505
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21505
 ggatcgtcac cgaagaggat cttggagcgc agtttctcgt gaaccaggat tgtattggtc 60
 aaaatcgggc ccaagctgcg gcccagcag tacgagccta caataaacga gtcaaggctc 120

tcgcagatgc aagtggcctt tccagcaagc cgccagagtt cttcgggcag ttcgacttaa 180
 caattgcaac cgagcttgac ttcgccatgt acgatgtcat caattcggcc tgcgtgtag 240
 ccggacgacc gttttacgca gctggcctgc atggattcta cggttttgtt ttttctgacc 300
 taattgaaca tgacttcgtg atcacacgag agaaatcaaa cgttccatcg cctataaacg 360
 aaacatcaac tcggactatt ttgaacataa cttcgaagaa ggagaatgac aaaatgattg 420
 agatggtcac gaaacgagag aaataccatc ctctccttct agcaaacaca tcaccgctac 480
 ccgacgaatt gacacgtcta ccccgccgcc gaaagcaagt gacaccgctt ctgagctgtc 540
 ttcgagccct ctgggagttt cagaaaatca accatggcag attgccaacc ttttcacacc 600
 aagatcttga atcattcacg aaactggctc gggatgcgca ccaggaactc aagcttgaca 660
 ttagcaccct cgattcagca ttcttgcgaa ctttcctgtc aaatctcgga agcgaactaa 720
 gtccagtggc cggtttctta ggaggtgctt tagccaagac gtgatgaatg tcctgagcgc 780
 tcgggagcag cctcttcaaa atctccttct ggttgatggc gagagatctg ttgcccccat 840
 ctattcgcta 850

<210> 21506
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21506
 cgtgacgaga tgggtgtctt agaagtcttg gatcatccca acatcgtgtc ataccatggc 60
 attgaagtcc atcgcgacaa ggtgtacatc ttcattggaat actgctccgg tggatccctc 120
 gccaccctcc ttgagcatgg ccgtgtcgag gacgagacgg ttatcatggt ttatgcgctc 180
 caacttctag aaggtttagc gtatctccat caatccggaa tcgtgcaccg cgacatcaag 240
 cccgaaaata ttctgcttga ccacaacggc attatcaagc acgtagattt cggagcagcc 300
 cagatttatg ctctgcacgg gaaaactttt tctgcctatg gacgccctcg gccaccggag 360
 gaataaagat ggcattaacc ctaaagacaa ccaggtcgca cccaaccggg gcaagaacca 420
 gaaaaccatg accggaactc ccatgtatat gtccccggaa gtcattcgcg gcgacaccag 480
 caagctcgta caccgccagg gcgccgatcg atatctggtc tttgggctgt gttatcctgg 540
 aaatggccac gggccgtcgt ccctggttga gcctggacaa cgagtgggct atcatatata 600

atatcgccca ggcgaatcag ccagcgctag cgtctcgga tcaactcatc gatttgggcc 660
 tcgatttccg tcgtctctgt tatgaatgtg atcctatgaa acggccaacc gcggcggaac 720
 tgctccagca cgaatggatt gtctcgatcc gtcagcaggt tgtgatcgag acgcctacgc 780
 cgagtagcga gcataacggg tacatcagca gttcgaactc gggaagtcga catagctcag 840
 cgtatatgta 850

<210> 21507
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21507

gcaccagcgt gaggagccaa ggggtggcaac cgaagaaaaa aacagcaaag gtgagacatt 60
 gaaagaaaga ggcggttaaa accccccaaa ggaagaaaac cacaccaccg caccagcgca 120
 caagaccaca agcagaagaa gagaaacgca acagacaaga cggcaacaag gccctgcaac 180
 acgacagaac aagacggagc ccgaaggggg agcgcagcaa gccacccgcg acaagcagaa 240
 acgcaagacg agactggaaa cagacggcgg cagccccaat ggacaggcaa ccagagaacc 300
 cgcaaggaca agcactggaa taaaaacgag aagaccaaga tacggcacag aaaaaagaa 360
 cccaacaaat accccgtaat gacgccagaa agacgactag cgggcacaag agaacagacg 420
 gaagcaggca ggacgagaac cccaagcaga agagcgcccc gggggcacag gaaaaccgac 480
 aacaggaaga aaagaccgga aagcaaaagc aggctgggcc aaacgaaacg gaccccaggg 540
 gcccagagacc cccaagagga agaaagcacc cgggggaaac cagccgaagg aacggagacc 600
 ccaaagacc aaacaagccg tgccaggggc ggaaaagcaa caggcagagc agaagacaac 660
 cagggggggac acaggcgaca aaaacaccaa cacaggaaac aaccggcgga agcaccacaaa 720
 caggcacgga cggaccaccc aaacgaaacc aggacgccga agggcaaacc ccaacacaaa 780
 aaccccgga ggagaaagag gcaagccaca ggaccccccc aagagcgcaa agacgaagaa 840
 cagcgcgaca 850

<210> 21508
 <211> 624
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21508

gggagttacg ctttctgaat gagcgagcct gggctggcga gagtgggtact gttccctaata 60
tccttccttc ccttcacccc gcgcttcacg taaccgtcga catccgtata gatataatttc 120
ctgtcagcaa atcgctcgat tcgtcgctga aaaagaatac ggcttttcacg aagcgcttc 180
gcactgggtat caatgctgct gccagcaga cgttactaac tgacatccgc acgttgctgc 240
ttcacaaata ctttcggag atcatatcag catgttacga ggggctttgt aaactcaaata 300
cgctgggaga gattactgcc ggtgttgaga ttaccagtgc cctgcatcag cgatttggtc 360
cggcggagtt caccgcagaa atcgggtggt tgctgggacg gggcctgagc tcaccggata 420
aaagtcagtt gaaaactctt agccaggaac tgcgtgagcg cagaggaaaa agaaagactg 480
tctcgccacc gagtattggt aaaggttggt acggagttgt ggctggctcg cgtgttgagg 540
actcttgatg acgttgaacg accggagatg tgggttctaa gggaaaagat ggcgcgggat 600
taggcaataa agtggctgat ggag 624

<210> 21509

<211> 493

<212> DNA

<213> *Aspergillus nidulans*

<400> 21509

ccattcactt ctggttgagg tactgacgat tttcatagg aggattcacc ggtcttagtc 60
tgaacttttc gccagttct tcgttgcgcg tgaagcttac cgtcacctca acaccacgg 120
ccgcataatc ctcatgtcct ccaacactgc taaagagttc agcgtcccc ggcactccgt 180
gtactctggc tccaagggcg caattgagtc ctttgtgcgt gtgatggcta aagactgcgg 240
cgacaagcag attaccgtca atgctgtcgc ccccggggga acggtgacgg acatgtttta 300
cgacgtggcg cagcattata ttccaaacgg cgaacaaacac agcgcggaag agctgcaaaa 360
aatggcggca acggtatcgc cgttgaagcg gaatgggttt ccagtggata ttgcaaaggt 420
tgtcggtttt ctggcgagta gagaagcgga gtgggtgaac ggaaagatca ttaccgtcga 480
cggaggcgct gct 493

<210> 21510

<211> 507

<212> DNA
<213> Aspergillus nidulans

<400> 21510

```
ccatggcggtt aacgctcgcc cactgtccgg aaaatgcagc tcggcgagaa caacaatctt   60
ttcgatttca catacgtcgg aaacgtcggg tactcacatc tccttgcggc tttccgcctc  120
ctagccattt acaaacgcgt cgaatcaggc caggggtgacc tcctcgacta cgaacgcgtc  180
gacgggtgagg ccttcctcat cacaaacgac caaccgctct acttctggga ctttacgcat  240
gctgcctggg cgcttgcgga taaggctcgtc gaaccgcata aaacctggca gcttcctgag  300
tggctgctcg gtcctattgg aggtcttgcc gaggccgttc tgggactcgt ggggaaaacg  360
ccaaatctca cggggcgggc ggtgcgttac tcctgtatga cgaggtacta ctctgtgac  420
aaggctaagg atcgcccttg gtacacgcct attgtcccc ttgatgaggg tcttgcccgt  480
gctgtggggg atttcctcga gcgctgg                                     507
```

<210> 21511
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 21511

```
ggcgtttagt aatatctata cctcaaccaa agacccaat ggcggactgc cgcagtcaat   60
ttcgggatcg cctcaatgga ctccgggtca atctttggtg gattctgcgg gatcggtcgg  120
atctgcccta catcactcag tcactctggg aggcaccttt gaccactttc acatcgggca  180
caaacttttg ctacaggcca ctgctcttgt cctgcaacct gcgggaactg gcccgaccgg  240
ccagaatagg accatcacga tcggtgtgac gggcgatgag atgttgaaga acaagaagta  300
cgctcagttc ctggagagtt gggacgagcg gtgtcgaagt acgggcgcgt tcttgacctc  360
gatcatggac ttcgggcctc ccgaaacaga gcctgccac attgagcgaa tctataatcc  420
gggaccaaac gggagacaga tagtgatgaa gatcaggcct ggaataacct tgaaaatggc  480
gcatatacat gtaccgtagg                                     500
```

<210> 21512
<211> 582
<212> DNA
<213> Aspergillus nidulans

<400> 21512

agtctcttat catggcctcc atgctctgac ctaaccctag cctttatcgg ctgcggtaca 60
ttcctctact tttctctca cccgcccagt aactatgcag caactaacgt ctacgaacag 120
gcaatatggg ctccgcaatc ctcatggta ttcttgacgc ctctaaagtc gtatcaagtc 180
cattttcgcg catattagcc tgcacaaaaa cccagtcctc tgccgaaaaa ctggacgccc 240
ggttcagaga ccacggctcc ccactaactg ctagcttttt tgcagacaag aacactgccg 300
ctgcggaaga ggcagacgtc atcattttgg gatgcaagcc gtacctcgtc gatgcaatgt 360
tagcagagga ggagcttgcg gatgcactag ctggaaagtt agtgatcagt attattgcag 420
gcaagacgat cgatgttctg tctgagggga taagccagaa ccagacagaa aattccccgt 480
ctaaaaaggc tgttatcgtc cgcgcaattc caaatgttgc tgctagcgtg cgcgaatcca 540
tgacggtgat cgaactgcat actccatcgc catccaacga cc 582

<210> 21513

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 21513

ctagggttatt acctcaacac atctccctac gtagttggaa tcgcatacac tgccgcaact 60
gccgaaacaa aactgcccct cgacctactc ttggatcgcc tcctcctgct cacgctctgg 120
tctcttatcc ttgcgacgc tggtcgcc tggaatgatc tcgtcgatgt cgacattgac 180
cgacagattt cgcgcacaca aagccgcccc ctccccctg ggcgcatctt gctctccgca 240
gcaaccatct tcacagcatg tctcttcgtc ctaggttggt cgcttttact ctttcttcg 300
cgagaatgcc tattcgacgc cggcattaaa gtcttcttcg cgctgcttta cccttcggg 360
aagcgcttca ccgatcccc tcagctcacc ctcatcaaca tcgcctgggc aattcccatg 420
gccatgcaca gcctaggtat ggagccttcg agccagatcc tctcaatgct ctgcatgtgc 480
gttttcttct cgcccgatg tgtcatgatc gacctggttt attcgcgtca ggacacagag 540
gaggatctca aagtcggcgt gaagagcatg gccgtgcgat accgaaattg tgtagaaacg 600
atggcctatt cgctttttgc catcagttcc ctggcactac tgtttgagg cgtgcttgg 660
gggcttcgag taccgtttgt gcttttttct gtgggtgggc acattgtggg cttttggagg 720

ttcctgcgag catcgctgca ggctggaccg gcaggggtgg agtcgcgtgc caaatcatcc 780
 tgcttgatag cgagtgtggt ttgggtgctg gggttaggta tcgagtatgc tgtgcgtggt 840
 tagctttgct 850

<210> 21514
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21514
 attctaata gcaattgccg tcaagaaggc cggatcctcc tccaaagcgc aagttcgatg 60
 atatggacct cgctctaccc aatggaggac ctacgccacc agtttcgtac gagcgatctc 120
 gccccagac cccagcagct accccttcta gagagcttcc ccaatccacc atgtccatac 180
 cccaaacttc gcctactgct gccaaaggatg gtctgcctgg ggctggaaac tcgcgcgcaa 240
 acacccgacc gacgacgcca tttaacgctc agttctcgct acctgcaact cctcctgatt 300
 tgttccttgt cacacgcaat tcgcctaata tttcaccttc tctctgggag aactttcagc 360
 cagatcaact gttccccgac ggcaccgcta tcttcccaga acttacctcc cctcaaaaca 420
 cgactgttga tccacagctt cagatgcagt cgcaattaca taccacgat atggttcagc 480
 agcaaatgcc gcctcggact tctctagcag gaacacaggg aagccctgag attctgtcca 540
 gcatgcctcc tgcgatcggc atgcaaggcc aaccgcaaca gatgtacgga atggaccctc 600
 agcagtcttg gcagatgcca ggactcgacc ctacagttgc tggcgctatg gataatgcaa 660
 gccaaagcga taattggagc agtagctcac gcagtggccc tactgctccg acaacactca 720
 acgtggagga ttggtagagt accgcctgtc aacaacgaaa tcttgacat actgacttta 780
 ttctaggttc caattcttcg gtattaatgg cagcttcggc gaaatggcag tttaattggt 840
 tggcaatata 850

<210> 21515
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21515
 gccagtttac aagtaataca taggctcgca tatgtaccct gacagggatt aaccgccgac 60

tatctacagc ctatcacccc cagactgatg gatcaacaga gaggatgaac agtacagtag 120
agacctacct ctgcatctat acctgctatg accagaggga ctggaacagg ttactcctac 180
ttgcagagct agtaattaat ggctgtatat taacagcaac aggggtcagc cccttctacc 240
taagccatgg gtataacctc agcccattta gccctaccga ggaggtagag caactagccg 300
aagaaccagc caagagtctt atccagaaag gggaagctat tgtacggaaa gttaaggaag 360
ccctagactg gggtcaagcc tccatggcct attcccaaca gaatgcagag aatcaggcta 420
ataaacacag gagcccgccc acaaactacc aagtgggaga taaggtctgg ctaagtctga 480
agaacatctg tacggaccga cccagcaaga aactggactg gaagaacgcc aagtacgagg 540
ttataggcct ggtgggcagc catgctgtac ggctgaatac acccccaggg atccatccag 600
tcttccatgt ggacctgctt cggctggctt catcagatcc acttccttcc cagaagaatg 660
atgataccca gcccctggc atcattatga acggcgagaa agaatacata gtagagaaaa 720
tcctggacaa atgtcccagg agatacagga gaggtcactg gctggaatac ctagtaaaat 780
ggtcaggcta tgctcggcca acctgggaag ctgccacagc tttggaggaa gtacaagctc 840
tgataagta 850

<210> 21516
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 21516

cagggtttac ccagtcctgc gttgtatata acgtccagtt attcgagctc ggtcccccg 60
gatcgacca gaattaacct cctcctgcc caactggcaa caaattaccg ggcagattag 120
gcccattttg cttttattag ccggcaacgg tttatgcctg ttttacagca ccctagggtt 180
acccctcacc cttttactgt tgattgtgct tagtttgatg tttttggcta atcccagggc 240
ttaccgtcag ggtttcatcc gttgtttccc cgctttttat cgagcacggg ttgatgtaat 300
tctgaaggaa tcggtaatct tgctagaaga ttggccccgg ttggtggtag tcagtcctgt 360
ggtgggtccc cctgccactt gggtcggttt agttttactt cagggtgctgc tccccctggc 420
cctagccctt gtggccggtg ttttaaactt cattcccgct aattggcccc cagattagtc 480
tagtcccccc catggcgatc 500

<210> 21517
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21517

```
tcaaacaggc gctggacgta gtgtggttgg cgcaggagag gaggttttgt gctgggatat 60
aaagaagggc gaattgctgg ggagatggaa agattctgcg tgcagggcgc aagtcactgt 120
cattacccag agcaagacgg atgaggatat tttcgccgtt gggtaagggc tcaccaagtg 180
catctggatc cggagcaata ctgacatcac ttttctctct gatttagcta cgaagatggc 240
agtattcgat tatgggattc aaggaccgag acggtgatga tctctttcaa tggccacaaa 300
tccgctatta cccaactagc gttcgacaat gccggagtgc gccttgcaag tggctcgcgg 360
gataccaata tcattctttg ggatctaatt tcagaagttg gattgtttaa actgcgcggg 420
cacacagacc aaatcacctc tcttcatttc ctctgcccaa cactcgagct gttgaatgaa 480
gctggattga gcgaacatgc cggtttctta atcacgaccg gaaaggacgc attgatcaag 540
gtttgggatt tggcatcaca acattgcatt gaaaccata ttgcacagtc aaacggggaa 600
tgctggagcc tgggtcttgc ccagatcag agcggctgta taacgggcgg aaatgatggc 660
gagctgaagg cctggtccat cgacgagggt gcgatgattg aaatctcaa agagaaaacc 720
ggttcggaga atcgaggat cttgcctgat aggggatcat tctaccgcaa cggaaaggat 780
cgaacgactg gaatcagctt tcacccccga gcagactatg tggctttcca tggcatcaga 840
aaaggccgta 850
```

<210> 21518
 <211> 549
 <212> DNA
 <213> Aspergillus nidulans

<400> 21518

```
gatgcagccg tgatccaacg agtcaaatca gcctccgtca ccgtcgatgg tcagctaadc 60
tccaaaatcg gacgagggtc cttgtgctc gctggagtcg gtcgagaaga cacggagaag 120
gacatagaca caatgggtta cgggatactg aaggcaaagc tattcccggc ggagaatgac 180
aaacaggcaa gtaatacggg tctgggtatg gactacgcta atggccaacc tacagtggaa 240
```

acggaatgtc caagatattg atggcgaagt actttgtggt atgtctctcg ggatcacctt 300
gctacgatct actgatgttc tgcagtgtcc caatttacac tttttggaga gttgaagaaa 360
ggcaaacagc cagattttca tcaagccgca agcgccgaca ctgcgcgtag attatacgat 420
tacttctacc aacgcctcgg cgagaactat aaaccagagc gagtcaagaa tgggtgtcttc 480
caagcgatga tggacgtcga acttatcaat gacgggccgg tgggtgtcga ctaccacagt 540
gaagatgcg 549

<210> 21519
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21519

cttggggcgt cagggttcga agaggaaaga tggctctgggg tttgctacga atactagcat 60
taggtcgcaa ggattcctct acaactcaga actcatacag gatattccca atgacctgaa 120
gagacaggca attcgatttg tgtctgcaaa gatgggtactt gcagttcgag ccgacgtttc 180
aaaatacagc cccgacggct ctttggggaga ggatctcaaa cagcaatgct ttcaacgatt 240
ggagaagctg actgaaccac ctccgaattc cggaacaaaa gcccttcccg cgcccgatga 300
caagccttcc cgaaagcgag gtggtagaag ggctcgtaag gccaaggagg ctgtcgcgat 360
gaccgagctt cgcaaggcgc agaaccgcgt tgccttcggc aaagaggaag ctgaagttgg 420
ttatgggtact ggtgaaggta ccgtcgggct aggaatgctt ggtcaacaga atgacggacg 480
tattcgagca acccaaactg atcagagaac aagggcaaaa ttgagcaaat ccaacaaagg 540
ctggggtgca gcaaccccg tcaagtgaac tgcttcgtcc ctacgcacat tcggccaagg 600
gcccagcgga acggcgagcg tgctacaagc caaaggctct cgatcctcag gtatcggaac 660
ctcatttggg ggtgcagctg gtacagcgag tactatcgct ttcactcccg tgcaaggact 720
tgaattgggtg gaccctaagg tgcaagctga gctaagccgc aagcgcaagg cgaggaaga 780
ccgttggttt aagtcaggca ccttcaccca agtgggtgcg caaaatactt ccaaaaattc 840
gtcggagact 850

<210> 21520
<211> 610

<212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 21520

```

cccgcacagt acaggaacac cccnaggggc gacagcaccc acggacagac cgactgcggg 60
aacggagggt gnaaacccggc cggagagccc gagccagcgc ggggaggata ggggagacag 120
gcgcggggcca gcccgagaan aaaggaaca agaagagaga acgcacgccg cacgccagca 180
gcaaccaaac ccagcaggag aagcccgaac aacgcagccc caaaaccaag ccaggaaca 240
acgacacaga gccgcccac aggaccgaca cagcgcgacg gcgggggaga acgaagaacc 300
ggcgaacagg ggccgagagc gcagaacgcg accccgggca cgcaacgaca gcaacaagga 360
aagcaccgca gcgccaacag cgaagggaga agagggaccg cgaaaccaa gcaagcgcg 420
gggcccgcaca acgcgcgacc aaacacgaaa acgacgacca cggcaagaca agcgcaggga 480
gcagggcaca acggggccgac ggaacaggga cgaacagggg aaaccaaacc ccccgcacca 540
aagagccaca cccacaaaac ggggaacacc cgcccgaagg acaaaaaggc cacaacaaa 600
ccccaacgcc 610

```

<210> 21521
 <211> 696
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21521

```

tgatccccct agcgttctat tgctctatgt ttgcaattca cttccggtgc ttggtcaatc 60
cgggagaggg cgacggtttc atgtcctccg agtttcaggc tactctcaat tcaaaaggca 120
tggcagccgt tcccgcagac gttgtcttcg gttctcgtct tagtattcgc caccataaca 180
cgcaaggcgg atatttgac tctcacagtc atatgtaccc caccggaagc aagcagcagc 240
agatcacccct ttaccctcat aaagatgaca ataacctttt catcgccgag aaccagactc 300
agcctctcga cgccaatgga gcagaaatcc ccggctcctt tgcttgggat aatctcacga 360
caactatat cgaagatggt gcagtcatca ggctacacca tttgatgacc caccgcaggg 420
ttcattcaca taacgagcgt cctccagtga ctgatgtcga ttggcaattc gaagtctcgg 480
catatggata cgaaggtttt cctggcgatg caaacgatta ctggcgtgtc gagattgtca 540

```

aatccttatac ggatggcgaa gaggcgaaga agcgattacg gactattcaa tcgaaatttc 600
gacttggttca cgtcatgact ggctgtgtct tgttttcaca taaagtcaaa ctacccgatt 660
ggtgttttca tcaacaggaag ttcattgtgca aggggtg 696

<210> 21522
<211> 850
<212> DNA
<213> *Aspergillus nidulans*
<223> unsure at all n locations
<400> 21522

gttacacgct caactccgtc tcgtacgaat ttctaggcga gcagaaagag gacgtgcatc 60
atacgatgat tactgagctc tataacggaa cgccggattc gagacgtcgc ctggcggttt 120
actgtttgaa agacgcatac ttaccgcaac gcttaattgga caagctgatg tgtcttgtca 180
actacactga aatggcgaga gttacaggtg tccctttcaa tttcttgctc tcccgtgggc 240
aacaagtcaa gttcctcagt cagctctatc ggaaagcttt gcaacagcaa ctggtcattc 300
caaatatgaa atcaacggac gaacaagatt acgagggtgc tactgtcatt gaaccattc 360
gcgattatta cgacgtgccg attgcaactc ttgactttgc ctctctatat ctttctatta 420
ttcaagctca caacttggtc tacacgacct tactcaataa gaatagtgtc gctgggatga 480
agaaggatga agactacatt gtcacgcca atggtgatat gttctgtacg cctaaagtgc 540
gaaaaggtct tctgtcccag attctggagg aattgctgag tgcaagaaag aaggccaaga 600
aagagctggc tcaagagacg gaccatttta agaaagccgt cttgaacgga cggcagctcg 660
ctctgaaggt tagcgccaac agtgtttacg gtcttactgg agctactgtg ggaaagttgc 720
cgtgtcttgc catcgcgagt agcacaacca gttatggtcg tcaaatgatt gagaaaacga 780
agcaggaggt cgaggcgaga tatcncattg cgaacggtta ttctcatgat gcgaagggtca 840
tctatggtga 850

<210> 21523
<211> 850
<212> DNA
<213> *Aspergillus nidulans*
<400> 21523

aaaatcatatc atcacgccgg acaatcacgc ggaggagatg aagcgctatc cttacgacaa 60

ggtcatattc caccagggcc acagctgtga aacgtgccac tttctcaaac cagcgagaag 120
 taaacattgc agctactgca agcgtctgct ctcccgcaa gaccatcatt gcatatggct 180
 caccaactgc gtcggtctga acaattacca ttactttttg tatctcttgc tgtcactaag 240
 cgtcatgctg acttacggct catggcttgg ctactccctc ttgtctcaga cattagacag 300
 actcatccct ccagctcgc cgtgctgctt gagaaaacaa agctggccaa cgtttctcaa 360
 catgtgggcy gcggtagtag cctatgatac tcggatcggg ggagttacga tgctgatgtt 420
 tatgacggca ccaactgggt tcgcttttct cgtctaccat gtctatctca tctgggcagg 480
 aatgacgacg aatgagagcg ccaaattggtc tgactggaaa gacgacataa ccgacggaat 540
 ggcattcaag tttattggcg accataaaaag aagcgattct cctcttcttg aatccgccga 600
 aactgcggat tcctggcctg ggtacagcga tcaaatactt gtgcttacag agggagaccc 660
 tccgaaagaa gggcatcagg ttcacaaaag ctctaacgat gttatacaac caactaatcc 720
 tgatgcgcct attgatcgga ggtatgctcg tgttagaagc atgaaggaaa ttgacaatat 780
 ttacgatctg ggcttttga ataacctttg tcatgtattt ggatactacg ctgcgggcaa 840
 actcaccgtg 850

<210> 21524
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21524

agaccgaatc gcgataatca cgctcaatca accaaagaag ctcaatgctc tgagtggaga 60
 ccactactac ctctcgggg agcggctccg cgaggttgac aagcgcgatg acattaccat 120
 cactgtcatc actggcaccg ggcgtttctt ctctgcgtat gcacccttcc tctgatcata 180
 ttctgcctag gcaagtttct aatgatgttt ttatgcctac agaggcgag acgtaacctc 240
 cgcccgcccc ggcgctggtc ttggcacaaa cgtgcgccgt gaactcgtcc gcaacttcgt 300
 cgtcaacaac atcgacatta cgcacacttt ctcccaccac tccaagatcc tggtcgcagc 360
 tctgaacggc cccgccgtag gcctctcagc cgccctgggt gccctcgcag acttcgtcta 420
 cgccgcgccc cacaccttca tctaacgcc tttctcgtca cttggctctg tcgccgaggg 480
 tggtgcttcc acagcgtttg tcgagcgctt cggaattgcg aaggccaacg aagcgcttat 540

ccagagcaag cgaatcacgt gtgaagagct tgtgagcgct ggtttcgtga ataaggttat 600
atccgcgcca agcgggaagc ccgaggattc ggatggcttc ttgaagaagg tgttggaaga 660
ggttgaggat aggatgggcg cgcatttgag ccagagctcg ttgttaagaa tcaaggaatt 720
gattcggcgg ccaggcagag agcttatgga tcgacaaaat acgatcgagg cgttccaagg 780
cctggagagg tttttggcgg ggattccgca ggaggagttt aggaagttgg cgactggcga 840
gaagaggcat 850

<210> 21525
<211> 789
<212> DNA
<213> Aspergillus nidulans

<400> 21525
aaaacgatga cactagccaa ccgcaagagc cggaggatga ccttggtta ctgccctctg 60
cacggtacga ccccgaaaga ggcttcaagc caagcccca aaccgctgtc caagcaaccg 120
cagataaatt tgccacaatc aagggttac catcgacaac gccgggtatc ttccaagcat 180
tgagggaaacg atcggaaagt caettaagca ctcgagatcg caagccagac aacttacacc 240
tcaatttctt gccgggggaa tcattctatg acgaagtcca atctggttcc ctccgggcta 300
gtttcaggag ccttgcttct accgccaaca gtttcagtac aacaaagagt ccagtgaga 360
gcggccgcag tatcgaccag tacatcaaca gcctggacga ggcgagctac cactcacgga 420
agacctctgg tcatcgctcg ggaggcgaa aactgacga ctcgacaatg ctgagcacgc 480
gcaagacaaa atcgagagct gcatccaatg ataccacacg aggacgcaac gagaagcgtt 540
atgttcagcc tgcaaagcgt tcaccttct ctcccggtgc catgtctcca gaagaactgg 600
cacagtacgc tgtgaaacaa acatcaaagg ctccaagtac aagtagggtta cggaagccac 660
gatccagata ctcgtcggaa cgccggcaga accgttccac tagccgacac aaagccagcc 720
gtgctgatac gaccgagcag tcgactcgtg ggcggagcgc ggatagacaa ggactacgaa 780
acaattacc 789

<210> 21526
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21526

gcgccgaaga aggtcttcaa gtcaatatac taccatgtat gtcttacact gccgatgcag 60
cccagaatac ttagctaaca gaacatggga cagaaacgta agtcctgctt agtctcagat 120
ctgcttgctg cttctgtcta aacgtccttc tcagaaacaa agaacacatg gcaccgaccc 180
gacccgtcgt tcgcttacct cctttccttc ttctgtcttc tcacagccct cgcttgggggt 240
ctcgcatacg ccccttcatt cggatccatt atgcgccttt tctttcgatt tgtcgttgtg 300
cacttcatag gatcgtaact ccttgtctca acaatagggt actttgccat cggccgtctt 360
tttggcccca atggcgccgc ggcgtcaata acaggcctac gcatccgcgg acgacggcgc 420
ggcgcagcgc aggggtctttt tacgcaaccc ggtgagaagg atcagttaga gttcgggtac 480
tgtttcgatg tatgccttta aaaccgttta ggcggtatg cggaaatttc agacagatag 540
ctgacatacg gaatcttaac aggtttctaa tcgcgcgttc ttcccccttt accttcacct 600
ctacgtcgta cagttttctc tctctccgct cctcaccgcg agcccgagtg atttccttac 660
tacatttctc ggcaacacac tttatctgtc cgcattcacg tattacacgt acataacttt 720
tctcgggtat aacgcgcttc ccttcttgca taacacagag cttcttctgc ttcggatttt 780
gttgttcgcg atcttgtggc tcgtgagcct tattgtgggc tggggcggtg taatgcaggg 840
acacagcgtg 850

<210> 21527

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 21527

tcttcgaggg gccgggcaat gctttggcgt tgcgtcgag ttctgtctta gggctcacga 60
gcaccaggat ccggtctggg cgggcttgct tggattctcg ctggatcatt tagaagctgt 120
ctttggcttt gccaatcgt tagtcgagag cacgaatggg gactcggcta tggttattca 180
gctgtccaga tacccttctc cgcgacaggg ccgcgatgtg ggaatcatgg caatcgtttt 240
ccattacggc gatgctaaat cggccgaaac tgtcttcag cccttgttca acctgggacc 300
tattgtcaac acgaccaagg ctcatcgta cgcacccgtc aacaacatgt tgacggccga 360
ggcaaaacgc ggtggccgca acgtatctaa aggcgccgcg tacacgacac cccttcgacc 420

agcgtttgtg aaggagacga tcacccctga aatggaaaga cttcacctcg aagtaccggg 480
 gtcggatcgg tcattaatag agtttgaatt ctacaagcca gacaaatggt gtgaggttcc 540
 agtgacggcc acggcacacg ggcaccgagg gcatgtccag aatgtcatga tcggcctcta 600
 ctggaacgat gagcaggacg acgtgaggat ggagatgtgg tcgcgccaca tcgctggcct 660
 agtggctgca gagcgagcca gccatggtag gccagccgag ggcccagtta ctgagtatgg 720
 gaactatgac catctgtctg cgcattgcgcg cgatgttttc gggatcaact actcgcggct 780
 ggtccagctg aagaagcggg atgacccctga taatgtcttc aacaaatggt attccttggt 840
 ggagtagatc 850

<210> 21528
 <211> 522
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 21528

ggacagatgg acggtctatt ttgtgtatga tgctgtagct agctttgtga aattgtaccc 60
 aggctaacag cggctagata cgagaagggt gaaccttcca cccaacagc ctcgtcatat 120
 tccatagtgg gctatgtac cacctaccga tgggtggttct acaagagaga tcgttcagag 180
 aacctatgc ctgagacggg tcccttttct ccaccagagc tagtccgacc gggcgagttg 240
 ccgtcaaggc tgcgaaatgc tcagtttctg attcttccgc cccatcaagg aaccggtcac 300
 ggcgtcaacc tttaacaatac aatccatana acatgtcttg atgacccaac aatcatggac 360
 ctaaccgtcg aagatccaat gaatccttga cgtgctccgg gactagccga ctacaataac 420
 ttggggccgga gttcctcaac acaatatcca atcaccccca ttcttgagtg gattttaaaa 480
 aaaaataacg tgtccaaaat cttcttcttt cgtaaaaact aa 522

<210> 21529
 <211> 670
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21529

ctcacgttta tcagactgct gtgttctact gtgtgcttcg cataaacggg ctctgcgtca 60

agactcggat tggctagat aactcctctg gcactcctga ttccggttgt gtagcgtctc 120
 aattaaccat cctccggcca caatctcttt cgcgattaat caccgcgcac ccaacaatcg 180
 tccttttgag tgtagcatca caatgaccaa tccagctgcg gggaaagagg cggagaccaa 240
 actacagacg ctttggcctg tacactgtgt ccaaaaaact cccggggccg acattattcc 300
 cgaactcgat gttactaaga ttgacttatt cgtgacaaag ggtatgcac cgcgcgttga 360
 aatgtattca gctttcgcag atgccttcgg aaaccaagac cccgcaatag tgtctgtaaa 420
 tgcggatcta cgatcttttc tacatgacag ggggtgcacg gatgtttttg tcggtggagt 480
 ggcgggggat ttctgcgtca agtacacggc cttagatgcc gcgaaagcag gctttaggag 540
 ccatgtttgt caggacgcta ccgaatgtgt ggtaccaggg tccggatggg aggaaaccgc 600
 acgcgaacta gcttcagctg gcgtgtcaat tgttcgatct gacggccctg aaattgttgg 660
 tcttgccctga 670

<210> 21530
 <211> 442
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21530

gtcacgcggag gactcgtctt gttcagcggg tggacaggca ttgatgtctc cagactgccc 60
 ctggaccagg atatcacggc tgctgactcc ctagaggccc acaaggtcac cagcaccctc 120
 cacagcttta ctaccacgag tgaagatgtc ccacgatgga ctctcgggt tgcgccgag 180
 aaagctgcc a ttggcggctt gggaccagtt agtgtaggaa caccgaaaa ggtcgcagat 240
 gagttggaac gttgggtcag ggaggcagac ctagacggat tcaatattgc gtatgttacc 300
 acgcccggaa cctttgagga tgcgtgaac ctcttggtac cagagcttcg tcgacggggt 360
 atctactctg aagcgcgcga ggagggttta acagcgcgcg agaaggtcta tggggtcggc 420
 caggccgggc tgaggtccga tc 442

<210> 21531
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21531

aactgatgag gaaaaccatg aatggcccca atcaattgct gacaagtatt ttctggggct 60
tcttacggta agaccttcat actactacca cggcacgtcc taactccatt tagggccttc 120
cacagctgcc taaagccaag actcccatgc aatgtgctga gaatggcctg gaattcttct 180
tcaagttgca gctgcctcca ggcaactggg catgccagta tgggggtcca atgtttctcc 240
ttccggggct gatcatcaca tactatgtca ccaatacacc catcccgcca gagtatgcga 300
ctgaaattat caggtatctc ttgcccggc aacaccggga agacggtggc tgggggctgc 360
acattgaggc tcatagctcg gtcttcggca cgagcatgaa ttatgtcgtg ctgcgccttt 420
taggcgttgg cgaggatgat cctcgaatga tcaaggctcg agggctgctg catagctttg 480
gcggtgccgt ctatggacct cactggtcta aattctggct cagtatactt ggtgtcatgg 540
actgggattg tgtaaatcct gtccccctg agctctggtt tgtgactgtc aatattgcgg 600
ctcttgatgt tagggctaata ctcaatagga tacttccga ctgggtacct ttcgctccct 660
ggcgctggtg gattcatatg cgccaggtgt ttttgcccat gtcataccta tgggtctaaga 720
aagttcacgg taccggtttg actcctctca ccaagcagtt aagacatgaa ctgtacacgc 780
agccctacaa ctcatattac ctctgccagt catcaaacct cgattcactc atggagcaac 840
ttcataccat 850

<210> 21532
<211> 850
<212> DNA
<213> *Aspergillus nidulans*
<400> 21532

caaatatagc ggcagaagca ggagcaggag aaggtctaata gggcccccca gtagcccccg 60
cttcagcttc aaggagcgca ggaacaggcc ggcgcgaacg cgaaactttc atcacgcaag 120
aaattcccggt aaaagtgatg cacgaaagcg cagtagaggg tctacacgaa ccgcactgcc 180
gcgatccaga cgtccacatt atcctgccag acctcttcca actcaaaagc atttcagaac 240
gtttcacgag actagcagcg gactctacgc ccaagaccgc tgcccttgca gccacaacgt 300
caactacggc agatgccgtg cttggtagcg tcggcgccgg cgtgtcacct aaacttgaac 360
tctcggcgaa catgcacggc tcgctgcgcc ttgcaatagc aacggatacc cttcgcactc 420
ccagtgtgtg gagtgatctt gtgaatcctg ctcttgatcc gagtcaacta tcgcagactc 480

agatggatca gttgcctagt gagcggatga gggctttacc cggggataat gaggcgggtt 540
 gggctaaggt aaggattgat gggagggatt gggccagggt tcttagtgtg gggaggctga 600
 atcctaaggt tgtcgcttgt aagttccatt gttgtttttg ctgcagctca gttggaagc 660
 agattgctg cgggcgggtt tgctaata gta cttgatggtc aggcgctcat catgagacgg 720
 cgctgaccc ctacgtatat cctcccagtg ggtatgatga gaggggatct tgcctaacag 780
 tgagtagtcc ctgttcattt gaagacttac ggttaacgtt ggacagtact acatcaactc 840
 ctatatgaat 850

<210> 21533
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21533
 tgactcggtc accgctgatg acattgggtgc cgttgtttca cgaacaactg gtatcccagt 60
 cagcaagctg atggctggag aagttgagaa actgatacac atggaagata cccttcggca 120
 gtctgttcgc ggtcaggacg aagcgtgtc ggctgtcgtt aacgcagtcc gtatgcaaag 180
 agcaggactt agtggcgaaa accggccgct cgcgtctttc atgtttcttg gtcctaccgg 240
 tgttggaag actgagcttt gcaagaaaat ggccgagttc cgtttctcga cggagaccgc 300
 cgttgtacga ttcgacatta gcgagtttca agagaaacat accatcagcc gcttaattgg 360
 ctctcctgct ggatatgtcg gctacgacga cgcgtggcag ctactgaag ctgtcagacg 420
 gaagccgtat gccgttcttt tgtttgacga attcgagaag gctcatcggg atatctccgc 480
 tctattgctt caggttctag atgaaggctt cctcacagac gcgcagggtc acaaagtcga 540
 tttccggaat actcttattg ttcttacgtc taaccttggc gccgacctt ttattggcgc 600
 tgatcccatt cattcgtcca aggcctcgac tgatggggaa atcactccgg agcttaaaaa 660
 ggccgctatg gatgtcgttc agcaagccta tccgctgag tttcttaacc gcatcgatga 720
 attcattgtt ttcaagagac ttccacggga ggctctgagg gatattgttg atatcagaat 780
 caaagagctt cagtcaagat tggatgaccg cgtatgacct tccagttgac gatgagaaca 840
 agactgctct 850

<210> 21534

<211> 703
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 21534

aaccacaacg acaaccacaca cggtcaccca cgccaagaa cgcaaagaac aacaccagcg 60
 cgaaacaata ancaaaccac cacacccaaa gcgccaattc gcgaanacgc gggggggccac 120
 aaccggaggc acccacaaca gcgcgacccc cggtgatacc cccaccccga gaggcaccaa 180
 caagggggaa gccggagacg gaggcggaaa gcaacacaca gaacggccag aaccggacca 240
 agagaacagg aagaggccga gagagaaccg caccgacacc gcaaccgggc anaaaagacc 300
 cgaccggaan gccaccacga gcaagagccc accggaaacc agagcgcagc gcagacggcc 360
 gaacggaagc gcgccgggca acggggcagc aacggacggc ggaaacgcag cccgagaaga 420
 cggacagacc cggccccaac ggaacaagac ccggggccga cccggacccc caacggggaa 480
 gccccacag gaaggccagg ccaagaagag ccagggaac ccgaacgccg aaacccagc 540
 ccgaccggc aaaaaagagg gcggggcgac gacacgcaa caaacagcac aacgcgggag 600
 gcccaccaag accaaacccg aggggaaggac acaacgggca gaaacaccgc ggacaggcca 660
 ccaagaggga acggggacca aagacaaaca agccgcacgg gca 703

<210> 21535
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21535

taaaggggat gtgtatgaac ctggagtcca atcatgttgg tattgtgctt tttggttcg 60
 atcgtcttgt taaacagagt gagcctgtct ggcggactgg cgaaattgtg gatgttcctg 120
 ttggtcctaa gatgttagga cgtgtggttg atgcactggg taaccctatt gacggcaagg 180
 gaccatcga gactaccgaa agaagtcgtg cccaaatcaa ggctcctggt attttgctc 240
 gccgttcgt caaccaacct gtccaaactg gcctaaaggc tatcgatgcc atggtgcta 300
 ttggcagagg ccaacgtgaa ctgatcattg gcgatcgaca gactggaaag actgctatcg 360
 ccctggacac aattttgaat caaaaaatat ggaacaagtc ggatgacgaa tcaaagaagt 420
 tgtactgtgt ttacgtggcc gttggacaga agcgggtccac agtagctcag ttagtcaaga 480

ccctggaaga gaacgatgct atgaaatatt ccattgtcgt ggctgctacg gcatctgaag 540
 ctgctcctct gcaatacatt gtcctttttg ccggttgtgc aatgggggag tggttccgag 600
 accatgggtcg gcacgccatt attatctatg atgatctgtc aaagcatgca gttgcctatc 660
 gtcagatgtc gctgttactt cgtcgcccc ctggacgtga agcttacccc ggggatgttt 720
 ttacctcca ttctcgctc ttagaacgtg cagcaaagct gaatgataaa catggtggcg 780
 gctcactcac tgctcttctt attatcgaga cacagggcgg cgatgtgtcg gcttatattc 840
 ccacgaacgt 850

<210> 21536
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21536
 aagttcatga cacaatcagc accgaggata gtttcgtttc tgcaaagtct gagattagcg 60
 atgatgccag cagccgccaa cgatccgaaa cgccgatgag tgaagatgac aagccattca 120
 acaaggagga ggcaaaggct aaggctctca aggaaatcgt tattaatatg aagtgtctgc 180
 acattgcctt ttgcatgctc cagaatgttg aaggcaacct gcaagcaaat atgaatctgg 240
 tgaccatggt gaataacttg gtagtacctg ctgttcggag ccacgaggcg ccaattcgag 300
 agcgcggtct cgaatgtctt ggggtgtgct gcttgctgga caaggtaagt tccatcctta 360
 ctaaatacat cttcttctct aacctctctg ttagactctc gcagaagaaa atatgacgct 420
 gtttattcac tgttacagca agggccacga aaacctacag gtcactgcta ttcatactct 480
 ttgcgatatg ttaactagcc atccttctgt gctggctccc gttaccagg ccgataagga 540
 gacagttgcy ccaccggcgt tccagaagcc actgcttaag gtcttttcca gagctctcaa 600
 accaaattca cccgcgtctg tacaaacggc agctgcgaca gctctttcta agcttctgct 660
 cactggtggt tttactccat ctgccgccaa tatccccgat gccattcaag agttcaacca 720
 acatgccatc gaaacactgc tacagtccct cgttgtctcc ttcttccatc cccgaactcg 780
 cgagaatccc gactccgac aggcactcgc gtacttcttc cctgtctact gccactcccg 840
 gccggataac 850

<210> 21537
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21537

```

aatgttcttc ctctgctgtc gagatgctaa gatatatgct ggcagtctat caaggtctgg 60
cgacaagttt ggacacgctt tgtgctcaag catatggctc tgggaagaaa aagctcgtgg 120
ggctgcagat gcagagaatg attttttttt tatgggtcat caccatccca attgctttgc 180
tctggttctt tgccgataag atcctactaa aaattgtgcc ggaaagggag gtcgctgagc 240
tggcgggtct gtatctgaaa gtggttattc tgggagctcc gggatacgtc gctttcgaga 300
gtggcaaacg atatgttcaa gcgcagggga ttttttcagc gtctctatat gtactgctga 360
tatgcgcccc gctcaatgca tttatgaact ggctcttcgt ctgggtacgt tccaagaagt 420
tgtgtgagac tcaactaaca ctcggttaca gcaattcggc tggggattta ttggcgctcc 480
tattgccgta gcaatcacgg acaacctcat gcccctattc ctcttccttt atgtttatct 540
cgtcgacggc tcagaatgct ggaacggctt aacgagacgc gccctcaaca actggggccc 600
aatgattcga cttgccctcc ctggtctcct gatggtcgag gccgaatgcc tcgccttcga 660
agtcttaact ctaggctcat cctacctcgg caccacctt ctagctgctc agtctgtctt 720
agccactgta tcttcgatca ccttcagat tcccttcacg ctttccatat cctccagcat 780
ccgcgtcgct aacctaatg gcgccacctc gtcgacgcgg ccaaaacaac agccaaggtc 840
gcaatgtgtg                                     850
  
```

<210> 21538
 <211> 705
 <212> DNA
 <213> Aspergillus nidulans

<400> 21538

```

ctcataatga cagaacctcg ccggcgctgg acagctgctg aggacgcgct cctctgggat 60
ctataccagg tccaggaaaa aggtatgctt gcacgttctg ccagtctgcc ttctgcaggt 120
caagttgcca gtcttaccgt actgacggcc tgctagcacc taccggtaaa tgcagaaaa 180
tcaactggaa cgagatcgcg cgacacatcc ccggccgcac gaataaggac tgcggaagc 240
ggtactataa tcggtttacg gggggtctgc gaaaggattt ttcgcccgcc tgctcctctt 300
  
```


tactgtggaa tcaagtcagc tgagcaaggt atctattaac agggctcatg gacgcaagaa 360
gaagacgaac gactgttccg gctggtagag cggtagcagt accgatgggc gacgattgca 420
cagaagatgg agacgaggaa tgcagaccgt acgtactcaa acccctgttt agcgaccttg 480
ctgatctagg agatgtagaa tgttcaaagc gctggcatca ctgcctgaac ccagagctgg 540
agcgagctcc atggacggtg gatgaggtat gtttaataata ttggctgtat tctaaaaatg 600
cgacgagacg ggacttaaca tgcgaccag aatatgctcc tgttatcggc tgtcaacacc 660
cacggcagca gctggaaaga tatcaaaaat gcactttccg acgag 705

<210> 21539
<211> 340
<212> DNA
<213> Aspergillus nidulans

<400> 21539
tacggctttc gcgggactaa agattgcttt actagacttc aatagcaaag cagagcgcg 60
gaagtttgag caggagacct ttgaatgtgg gatctgtctt gagccaaga aaggtgttaa 120
ctgccatcgt ctcttactgt gctcccatgt cttttgcata ccttgccctgc aagactttta 180
taacacttgt atcacagagg gagatgttga gggcgtcaag tgccctggcgc ctgattgtgg 240
tcaagaacaa aatccaccag cggccggcca gggtaatatt cgcaaaaagc gagatcggac 300
acttagcccc tcggagctac tgcagatacc tcttgaacaa 340

<210> 21540
<211> 704
<212> DNA
<213> Aspergillus nidulans

<400> 21540
actcccatgg ccgcccactt tgagctgcac atcgaacaag gtccctcatct gatcactgca 60
ggccagcaga tcggcgtcgt aacagctgtc caagcatacc ggtgggttccg ccttaacatc 120
ttcggcaggg acacgcacac aggcaccact gcatttgagc accgcgccga cgcgctctat 180
gcgttcgcgc gcatgatggt gcgcgcccgc gaagttgccg cctcgcaagg ctgcttggca 240
agcgtgggca tcattgaagc caaaccggc agcgtaaata ccgttcccgg caccgtaagc 300
tttagtctcg atctccgggg tccgaagacc gaacttgtcg aggtcgttga agcccagctg 360

cgcaaggatt ttgacgcaat tgctgcagag gaaggaaagg gcatcggcaa gccttgccgt 420
gtggagtgga cggttgactt cgattcgccc gccgtcaact tccaccctga ttgcatcgag 480
tgtgtgcagc agtctgcgga ggcggtcacg gctgatgctg gtgttgcgga cccgaagtct 540
ctcgtcagaa caattatgag tgggtgctggg catgatagcg tgtttacctc aaagaggggt 600
ccgactagca tgatctttgt tccgtgcaag gatgggttga gccatcatcc tgaaaagtta 660
agttctgccg atgattgtgc cagaggaacc tctatcatgc tgca 704

<210> 21541
<211> 850
<212> DNA
<213> Aspergillus nidulans
<400> 21541

atggcgtcta acagaatccg tcgtattgca aaggagattg ccgatattcg ggcagacact 60
cattctcaga tcaactgcaga gccgttgga gacgatgacg atgtcacaca cctgcgcggt 120
tcttttccag ggccgcctgg caccocgtac gaaggcggca cttacaaagt cgacatcaag 180
ataccaccg agtatccttt cagaccacca gtgatgaaat tcataacgaa ggtctggcat 240
ccgaacgtta gcagtcaaac ggggttagtcc gcctttcctg agcctttgat agcttcttct 300
aacgatggtg accggtgact ttagggcgcc atctgtctcg atactctatc ttccgcctgg 360
tctcccatcc tcaactatcaa agccgcctc ctctcgttgc agtctctact cagcacgcca 420
gaacccaaag atccccaaga tgctgaggtc gcaaccatgc ttctacggaa tcccaaagag 480
ttcgaccgcy tcgcacggga atgggctgta cagcatgcgg gggccccgag gagagctgcc 540
ggagagggca gcggtggtgc gacgagcgag tccttgcggg agctggagcg aaaggagaaa 600
gaagcccag agaaggagga tctatccaag tacgtcctca tcggtatacc agctttcaag 660
gaattactgc taacacctca ttagatacga tgggtacaac aagcagctga ttgatcgggt 720
tgttcacatg ggcttcgacg tggacgcggt cgtatcgcc ttcaactatt atggtataga 780
ccgtaacggc ggcgaggact acgaactgga ggaggcttac atgggtgatg tgacggcgcg 840
acttctaggc 850

<210> 21542
<211> 531

<212> DNA
 <213> Aspergillus nidulans

<400> 21542

```

ggaaaaccaa ctgacggata taccataggg cgtctcaccg agtaccaggt catcgggCGT    60
catctgCCCA cCgaggccaa cccCacgccc aagctgtacc gcatgcgcat ctttgCgccc    120
aacgctgtcg tggctaagtc gcggttctgg tacttCctga cccagctccg caaggtcaag    180
aaggccaacg gtgagatcgt cagcctcaac gtggtatggt tcaacggcgc ctatgaaggt    240
tgaacagact gttgacatcc gtatcagatc cacgagaagc gccccctcaa ggtcaagaac    300
ttcggtatct ggctccgcta cgactcccgc tccggcaccc acaacatgta caaggagttc    360
cgtgagatga gcaggaccga ggccgttgag gatctttacc aggacatggc tgctcgccac    420
cgtgcccgtt tcggctccat ccacgtacgt ttagactgaa tttgttctcg ctttgataag    480
cgtccctaac actcagtata cagatcctca aggttgcga gatcgagaag g              531
  
```

<210> 21543
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21543

```

tcgtacttga ctgaatactg gaatcagtct ggattcgggtg agttccgctc tgactgatta    60
attaagtaat attcttacct gggtagactt gtgggaagat ctttacggac gctcgttctt    120
taccctagca gtcacttata gtgccctgac agaggcaagt ttgtttgctc ggagtatagg    180
gtcttcgtgt gcagagtgcg agtctcaggc accacaagtc ttgtgcttgt tgcaatcggt    240
ttggacaggg aggtttattc gcagcaactt agataccgga agaaccggaa aggacgctag    300
caccttggtg ggggttattc acacattcag tctcgcctcg gaatgtgacg atgtcacttt    360
ccagccatgc tctgcccggg ctttggttaa tcattacaga gtggttgatg cgtttcgcga    420
tctatatgat atcaacgcag accgtageca ggatcaggct attgccattg gtcgctatcc    480
tgaagaccag tattttggag gaaatccttg gtttctttgc acgatagctg cagctgaaca    540
gctctacagt gcgatatacc agtggactca tcttggttct ataacaatca cagcggtatc    600
tcttccattt tttcagacat tgcacccgac tgccgtacca gggacttatt cgtcgtcaac    660
cgagatatat caccaactga ttgatgccgt tcggacgtac gccgacggtt tcatgcgaat    720
  
```

tgtggtaggt cttctaacag ctgaagtttc ggatcatgga agataaggct gagcaatgta 780
gcaaacttac gcatctcata atggatccta gtattctata gtgtcaccta aatcgtatgt 840
gtatatcata 850

<210> 21544
<211> 850
<212> DNA
<213> Aspergillus nidulans
<400> 21544

aaacccgtaa agcgcatacct cccctccgca ccctttcgcg ccgcgcacctc caaagacgaa 60
gaaattgacc cgctgtcgca gccaaagcaag ccgcccagga tgcaaagcac tcaacctgcg 120
taaccatctt caccgcgctc ggcaaccaca taatagccgg cacctcaaaa ggctggatca 180
acatcatcga aacccaaacc tgcaccacaa tacattccac aaaactatgc gccgggtgtga 240
tcattctcct ccgcctcgcc agcaatggcc gtgacctcct agtcaacagc tccgaccgcg 300
tcattccgac aatcctcatg ccggacctct cccaactcgg catcgacctt gaaccaacca 360
acatcaaact ccaagtagag cacaaatttc aagacgtcgt caaccgcctc agctggaacc 420
atgtcgcctt ctcatctacc ggccaatttg tcaccgcac caccattcatg aaccagata 480
tctacgtctg ggaacgcagc caccggtcac tcgttaaatt cttgaaggcc cccgtgaaga 540
acttggcggt gtagaatggc atccaaccg cccattcgtc gtcgcatgcg gccttgagtc 600
ccgctgtatc tacacctggt ccattgtcac gcctcagaaa tggtcggcac tcgccccgga 660
tttcggcgag gtcgaagaaa atgttattta cgtcgagcgc gaggacgagt ttgatattca 720
cccggcagaa gagatccacc agcgccgtct tgacgctgaa gatgaggagc cagatgtcct 780
aaccattgag ccctctaaaa gcggcgacga tattgagtc ttccgtatgc ctgtcctggt 840
ggatatatct 850

<210> 21545
<211> 703
<212> DNA
<213> Aspergillus nidulans
<400> 21545

tccccccggt aatctccttc cagggtttcc gtgtcgaaat ccccgtaag tcttccccgc 60

agcgtggaat gcgtgggtcc taccctgttc gcctgttcta cacctccaac atgcccatta 120
 tgctccagtc tgccctgtgc tccaacattt tccttatcag ccagatgctg tactccccgtt 180
 tctccgacaa catccttggt aagctccttg gtgtctggga gcccctgag ggttctgccc 240
 agctccacgc ttcattctgtt gtcgcctact acatgtctcc tcctctgaac ttccgcgagg 300
 ctcttcttga cccatccac acagctgtct acatcacttt catgctcggt gcctgtgccc 360
 tgttctccaa gacctggatt gaggtctctg gctctgtccc tcgtgatgtc gctaagcagc 420
 tcaaggacca gggctctgtc atggctggtc accgtgaaca gagcatgtac agggagctca 480
 agcgtatcat cccactgct gcgcctttcg gcggtgcttg cattggcgct ctgtccgtcg 540
 cttctgacct tctcgggtgct ctcggtagtgt gtactggcat tctccttgca gtcacgtaag 600
 catgctgctt ttctctcttc ttcaaagtct aacaaaatcg cgcagtatta totatggcta 660
 cttcgagatt gccgctcgtg agggcgatat cgggtggaggt etc 703

<210> 21546
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 21546

actacattgc cgtatctggc gttttgtcaa tgcttgggag cgctggcgag aaaccatattg 60
 cgccaggcaa tacccttgga gattttgccc gtggggggcgc cgtctgtttc cagggcattc 120
 tactggcggtt actgtcgcgt gcgacaaccg gccgaggcca agtcgtcgaa gccaacatgg 180
 ttgacggggtc cgcgtacctg ggggccatgc cgcggttgaa catgcagacg ccgctatgga 240
 gtggcccccg aggaacaaat atgcttgatg gagggagccc tttctacgat acatacgaga 300
 ccaaggacac aggcaaatac ttctcgggtc gcgcattgga gccgcagttc tacgcggccc 360
 tgatcaagggt tctagggttt caaccggatg aactgccgtc acgcgaagac cgcagtaact 420
 ggctctgcgt cagggcagcc ttcacaaagc ggtttaagga aaagactcgt gcggaatggg 480
 aggcctgatt cgacgggacg gatgcgtgtg cgaccctgt gctggaacag tcggaattgc 540
 gggaggccgg ctttgagcag cgcccgatcg tgcacttgct ggatacgcca gcccggccga 600
 tcgctgcgga cgacggcgca tgggcctggg ggattcttaa gccaggaact gaggggagag 660

agacgctgaa gacatgggnt ggggtgggagc aggggtccgga atttgtgtga ggagtgatgg 720
ggctttgaac aaacgatggc aaatccaggt tgaacggata ttcaatatta gtgatgaact 780
tgcacgcag gttataagtt cagcaaaatg atatgactca gaggccttagg ggtgtgctac 840
gccaaactttg 850

<210> 21547
<211> 459
<212> DNA
<213> Aspergillus nidulans

<400> 21547

accagaccg tgatatgccc ttcggagaga tctcggatgat caggaaggat tttggacagc 60
aggtgaacca ggacgtggaa agcagacatg gttttgcggc acaagctgga cgtaggaagc 120
tgatggccca ggcgcggaat tggctactca gtgctactct ccgaccaacc catagttggg 180
tctactggcg agatgcagat gtgcttaccg caccgtccac catccttgaa gatctaata 240
ggcacgataa agacgttatt gttcccagta agtattgcgt ccatgttcga gacacaacct 300
aatatcttgc agatgtgtgg cggccactac ccgattggct cgggtggagaa caaccatacg 360
atttgaactc ctggcaagag tcagagacgg ctctagcgt tgcggagaca ctcgacgagg 420
acgcggtcat tgtggaagg taccgaggt acgctacct 459

<210> 21548
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 21548

ggcatagttt ctcggagggc cccccgggt gctgaggaac ataatagctc gcaagtcata 60
caccgtctat ctagtacgta cgcttcctgc cgatccccct cctcttttct ccattctctcc 120
cagctctctt tctctggaaa cgccagagac gactcgaagg cagcagtaga ccgatatgaca 180
caatatgcgt ctttctctct cgcggttttc gccgagagac ctcaagccat acgcagccga 240
attcctcggg accgggttga taattgtcat cggtgacggg gtggtcgccc aggctttgct 300
ttccgactac cagtatggca cctggctttc tattaacctg gcctgggagg cggcagctctg 360
cttgctcggc tatctagcca ctcccagtc ggctgcaat ccagctattt ctatcatcat 420

ggccttgaaa acaaccgcag cctgaccagt ggaagaaaat tccaggcaag ttgcttgctc 480
agttcttgaa gacttcgtgg 500

<210> 21549
<211> 315
<212> DNA
<213> Aspergillus nidulans

<400> 21549
cgggagaaga agtgcaaaaa gtgggcacaa gaaacgttag agaccatgtc gcagcggctg 60
ccgacctccc tcaaggttgc tctgcgcaa atgcgtgtgg gccaggcatg gggcatccgc 120
gagacgttcc agcgtgagta cgagattgct gcacgattca tgcagcaccg cgacttcgtc 180
gagggcgtca aggcacgtct catgtcgaag ccgccccgcc aggcgtcgtg gcagcctgca 240
actcttgccg aggtctctga gaaggacgtg gatgagtttt tcaagatccc gcaaggcaag 300
gagcgtatcc aactt 315

<210> 21550
<211> 369
<212> DNA
<213> Aspergillus nidulans

<400> 21550
gatctctact tatacacact gcttctctac catcccaaac accgcaccct agtcttcaca 60
aactccattt ccgcagttcg acgcataaca caacttcttc aaacgctaca acttctgccc 120
ctggctctcc aattcatcaa tggcccaaaa ggccgtctac gttccgttga acgtttctca 180
tcttcaaccg cgaaccagg cagatcctc gtcgccactg acgttgccgc gcgcggtctc 240
gatatcaagg gcattgactt tgtcattcac taccacgcac cgcgcactgc tgacacctat 300
gtccaccgat ccggccgtac agcagtgcg ggcgcctccg gaaagagcgt tattatctgc 360
tctccagag 369

<210> 21551
<211> 384
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 21551

gtaccgtacc cagcactgat cttngtcatt attaattagg gcactctacc ggtgacaagt 60
atctcgaagg aggactgnaa gacacttcag aatcaaccgg tggccaacga caccaaaaaca 120
tccgagtctg actctggaac taatgctaaa actaagggtc tgcgctcgac tagtctgctc 180
tatgagacga ggtatgagat gcttgctaca atgtgtggtg ggaaggggta tttcgtaaag 240
agccaggaag agctggagag agccacgaaa gagggcttcg tgagtgatac cgttacaata 300
gtgaatgtca ttgttgagcc cgggattggg aaggagattg gttttgcgtg gcagaatcag 360
ggcaaagaaa gcaagccaaa gctg 384

<210> 21552
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21552
gcacttgggc aagttggtgc cgaatggcat gacctccaat tcggttctgg ttcactcaaa 60
attagcgtgt cttttgttga gagcaagcac cgtagcctaa aattggagga ctttgatttg 120
ctcaaagtgg ttggcaaggg cagcttcgga aaggatcatgc aggttatgtg cgtactcatc 180
aaaatcttcc tgctcattga tttgtcgtca agttacacat tcacaggaaa aaggacacgg 240
ccgcacatcta tgctctcaag accattcgta aagcacacat catttcacgg tcgcaagtca 300
cgcacactct cgcagaaaga tccgtacttg cgcagattag caatcctttc atcgtgcctc 360
tcaagttctc cttccagtca cctgagaagt tgtactttgt tttggccttt gtgaatggtg 420
gagagctggt ccatcacctt caacgagaac agcgattcga cgtaaacctg gctcgttttt 480
atactgccga gctgctctgc gctctcgagt gcttgcatgg cttcaaggtc atctaccgcg 540
acctgaaacc cgagaacatc cttcttgact atactggaca tatcgctttg tgcgacttcg 600
gactgtgcaa actcgacatg aaagatgagg atcggacaaa cagtaggaca ttcagcgctc 660
cctttgcgtt ctaagtagct aatgaggtac agcattctgc ggtactccgg agtaccttgc 720
accagagctc ctctcggtc aaggttacac caagactgtc gactggtgga ctctgggcgt 780
acttctctat gagatgttga cgggccttcc accgttttat gatgaaacac aaatgatatg 840
taccgaaaga 850

<210> 21553
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21553

agatttcgaa aaggtacaaa caaggaccca gtacggctat tgtgaaatgt tgctaacgat 60
cgcctttgtc gtttaggcca tcgctgagct tcagggttaa ttgggagaag atgcgattag 120
cacggatgaa gacgacctac aacgacatgg cttctcggag tggtaagcg tcaatgcgca 180
gcgcttaccg gtcgccattg cctacccatc cagtacagag gacgtttcgg agattgcaaa 240
aatctgcaac aaatacaaga tgccaatggg tccgtactcc ggtgggtcca gtctggaagc 300
aaacttttca gctgcctatg gcggcttgac gattgacttt gcatacatga acaaaattct 360
ggacctacat gaagcagaca tggacgttgt ggtacaaccg tctatccagt ggatggatct 420
caacgagaaa atcaaagaca ctgggctctt ctttccggtc gatccaggtc catctgccat 480
gattggcggg atgattggca caaactgcag cgttacaaat gctgtgcggg acgggactat 540
caaggattgg gtgatcaacc tcacagccgt actagcggat ggcactgcta tgaagactcg 600
aagacgtact cgtaaaacgc cagtgggata caaccctact ggcttggttg gaggggtaaa 660
aaggaacatt cggtttggca cccaagcttc ccttaagggt gccctaatt ccgacggaaa 720
acgggttggc agtggtttcc ttccttaca tgcgcgatga tgcattccacc ggaaccactt 780
gaaagggaaa gggcttcctg cccggggaat ggaaatttgg acaattccaa gggatgttat 840
aacacagcgg 850

<210> 21554
<211> 331
<212> DNA
<213> Aspergillus nidulans

<400> 21554

ggtggaggac cagacggacg aaggggtgga tgtactgcca ccgatgggaa agctaaatgc 60
gggtgccaca accgggggat ggctgagga gcgctactgg acgccagaga tgatctggcc 120
gcccgcgaca ccaacgggga ggacctatc actggcgatg caccagccat gggatgcagt 180
tgacttatt acaaggacga actgtggggg cattgcaccc actgccatga ggggagcaaa 240
aggacctgt agatgatgca caacgtgaag agcggccagg cttgcatgca cgagatccct 300

atgcttcagg cactgaccaa atcagatgca g

331

<210> 21555
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 21555

ggatatgaggc aggaggaagt ctgtgagagt gccaaagagac atgatagaag aggcgagata 60
ggcgagttag ggatcaaagg agtgccgtga gatcgccgga ggcaacagcc agcggcaaga 120
atatgttgcc attgcggcgg aatatacgag attggttaga tggccacgat ggcagaagct 180
tatgatgtag cattggcccc ccattgtccg ttaggcccta gtgccctcgc ggcaagtctt 240
caggctcgata ctgttagtgc caactttgct atccaggaaa tgagcttggg catccgctat 300
aatgctggat cagcggatat tgacacgtat atcaagaatc cggaggtttg taaggtgcag 360
ggcgaattga tcgaccttct aaaaagacca ggcctgggta ttgagattga cgaagagata 420
atcagggcag ctactgtgga cgctgtcgca tggcgcaacc gcacttctgg gacctgagag 480
aactaagggg ggatgaattt 500

<210> 21556
<211> 697
<212> DNA
<213> Aspergillus nidulans

<400> 21556

gccgggtcgt attcgaaccc gttaaagaaa ttcaagtgcg ttaacttggc aaggctgggt 60
gtgtttgact ttatgctgac tcgaactagg ctctgtcttc tcggcgaaca aagcgggtgcg 120
catacactca gtttgcattc acaaacaggc gcacgatttc taatgctata ttacagtggg 180
aaagacgtct ttgatcacca gattcatgta tgattcgttc gacaacacat accaggccac 240
aattggaatt gacttcttgt cgaaggtag tagaactcgc tctgcttaag gacaattagc 300
tggctcatcc agagcattat ggcgattgcg ctccatggaa atgctaacat ctggtgttgt 360
agacgatgta tcttgaagac cgcacagttc gactccaact ttgggacacc gccgggcagg 420
agcggttccg gtccctgac ccttcttaca tccgtgactc cagcgtagca gtggttgtct 480
acgatatctc aatgcgaaa tcttccaaa aactcggaa atggatcgac catgtgcgcg 540

gtgagcgtgg aaacgatgtt attatcgtac ttgttggcaa caagaccgac ctgagccata 600
agcgagaagt taccacagcc caggggtgaag aagaggccaa gaagaaagga ctgatgttta 660
tcgaaactag tacgaaggat tggccataat gtcaagc 697

<210> 21557
<211> 543
<212> DNA
<213> Aspergillus nidulans

<400> 21557

tttgtggaca ttggtggcaa tactggccat caggctgctg aggtgctgtc ccagcatcca 60
gagcttgccg gccgagtgac tgttcaggac cgtggtgaag tcatcaaaag cgcacccgag 120
atgaaaggca ttcagtggat ggagcacgac ttctttgatg ttcagcctgt gaaaggtaag 180
ctttatcgga tgagaaatca agcatgattc aatcttacta agacttgtct tgcagggggc 240
aaatattact atctgcgagc cattctccac aactgggatg atgaccacgc cgtgcagatc 300
ctggccaaca ttgtgcctgc catgtctgcc gactcgctgg tggcgattga tgaagtggtc 360
gtgccggatc gagacgcca cttgtggccg gccgggctcg atctccaaat gtacactatc 420
tttggaaaca gggagcgac agcagcacag tgggatgcca tcctcgacag agccggactg 480
cgtgctgtgg cagtcaagag gtatgcgcct gtcatgcaaa gctcggtcat ttttgcggt 540
gcc 543

<210> 21558
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21558

cattgggagt catttttttc gagatgtgcc atccattgcc aacgcttatg gaacgcgac 60
aaacattacg agctatcagg gaaagacatc atgtgctgcc cagcaccttc caggattccg 120
agaaaagtagt tcagggggag atcatcaagt cgcttctaag tcatgatcca gccgaacgac 180
catctgcgtc agaattgctc catagcggtc agattccact tcaggtcgag gaggagactt 240
tcagacgcgc aatcatgcat ctgctctctg atcctagctc tcccgactac aagaagatcc 300
tctccgctat attttctcaa tctccaaaaa aggtcgagga tattgcttgg gacatgcatt 360

cacgtgcccc accggcagcg aacgagcttc tcatgcacgg tcttgtcaaa gaaaggctta 420
 catcgatctt ccgcaagcac ggtgccgtgg agactacaag acagatgctg tttccgaaat 480
 cccaacatta caacagcggc gacgtaaggc ttctggacgc atctggtaat atgcttcaat 540
 tacccttcga tctaacgctc ccgaacgcac gtgcaattcc ccggcaagac ccttcactcg 600
 aaaagacctt tgcttttggg actgtctaca gggatacacc tcacggtggg gaaccaagaa 660
 ctcataaaga agtggatttc gacattgtgt ctgcgaatac cttagacctg gccttaaagg 720
 aagcagaggt gattaaagtt cttgacgaga tcattgaaga atttcacca ttgaaggcca 780
 gcgctatgtg tttcctgata aaccattcgg acttgcttca gctagttatg gagttttgcc 840
 gcatcaaacc 850

<210> 21559
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21559

cctcactgcc accaaatcaa ccttcacctg ggataacctg gaactgtttg tccgtgttgg 60
 aaaggaaaat cgcaagctat tggacggtgt tagtggatat tgcaaaccgg ggacctgac 120
 tgctttggtc ggagcttctg gagcgggcaa atcgacttgt gactgaacct ggtctgtgtt 180
 tttgctcatc ccaggattgt gtcctgacat tcttagtggt gactgcgctt acccagaggc 240
 aaagctctgg cgaccttaca ggtacgatgt atgtagacgg aagacctatc gactcttctt 300
 tcaaacttag aattggctac tgtgaacaga tggacattca tgacgaaagc agcaccatc 360
 gcgaagcatt cgagttctct gcaactgttc gtcaagactc cactgtacct gatcaggaga 420
 agttggctta tgcaagaacg gtgctagaga cgttagactt ggtggaattg cagaacgcca 480
 ttatcggctc tttggacatc gaaaagaaga aaagggcac catcggcggt gaactttgtg 540
 caagacctga gctgctacta ttcctggacg agccactag tggcctagac agccaggctg 600
 cgtctagtat ttgtgcccta ctaagacgac tcgccgacca ggtcttgga atcctttgca 660
 caatacacca agcaaaccag gagcagttcg agatgtttga tcgagtgtg gctctgagtc 720
 ccggtggcaa gacctattat tttggcgaag ttggagaggc agggcactct atcttcgact 780
 actttgcgaa atacgggcag aagcctgaaa atattaccaa cgctgcggac tacattattg 840

aagttgttgt 850

<210> 21560
<211> 815
<212> DNA
<213> Aspergillus nidulans

<400> 21560

ccccgtaagc ccggcatgac ccgtgacggt aaggaggatg actgtgaaaa tctacgaata 60
ggcactgatc ttttgatgac agacctcttc aacaccaacg cttccatcgt tcgcgacctt 120
gctaaggccg ctgccaaggc ttcccccgag gctaacatcc tcgtcatttc taaccctgta 180
tgcgtcatcg gaactcggag acatggaact cgtgctgatt cttccaggtc aactccaccg 240
tccccatcgt ctctgaggtc ttcaaggccg ctggcgtcta caacccaag cgcctctttg 300
gtgtcaccac ccttgatgtc gtccgtgctt cccgcttcat ctctcaggtc cagggtagcg 360
acccctctaa ggaggccgtt cccgttgctg gtggacactc tggcgtgacc atcggtcccc 420
tgctttccca gtccaaccac cccaacattg atggcaagac ccgcgatgag cttgtccacc 480
gcatccagtt tgggtgtgac gaggttgctc aggctaagga cgggtgctggc tccgccactc 540
tctccatggc catggccggt gctcgttctg ccgagtctct cctccgcgct gccaggggcg 600
agaaggggtg cgttgagccc actttcgtcg agagccctct ctacaaggac cagggcgctc 660
actttctcgc ttccaagggt gagcttggtc ccaacggtgc tgagaagatc aaccccgttg 720
gcgagggtta cgaattcgag cagaagctcc ttgaggcctg cctcgttgac ctgaagaaga 780
acatccagaa ggttattgac ttcgtcaagg ccaac 815

<210> 21561
<211> 562
<212> DNA
<213> Aspergillus nidulans

<400> 21561

ccaccaaga ctacgatacc agcgacgatg aagctaagtc ccggttctct tgaaaaccat 60
gaccttgta aacgcgcatt cgccggcgat gaggtcgttc aagagttcga gcaggagaaa 120
cttgacacta tcgaggacga gggcgacaag gtcacgcacg agacactccc tggctggggc 180
agctggactg gagacggcat tagcaggaag gaaaggaagc ggcagaagcg cgttttgaca 240

aaggttgagg gagtgaagcc cgaaaatcgg aaggatgcga aactttctcg tggtatcatc 300
aacgaaaagc gtattaagaa ggtaaaggct tttatcgatt tcgcacccat cgacgtgaat 360
actaatatct ggcttctctgc agaacaacaa gtaccttgcg acgcaactgc ctcacccggtt 420
cgagtcgaag cagcagtagc agaggtcgct tcgtgtcccg attggtcccg agtgggtctac 480
aaaggagact ttccagtctt ctaccaagcc ccgtgttatg atcaaacagg gcgtcatcaa 540
gccgatggag aagccgatgg tt 562

<210> 21562
<211> 850
<212> DNA
<213> Aspergillus nidulans
<400> 21562

tggcatcctg tggcttgagg aggatgactc tgacctcaat gactacggca ccgacggggg 60
cgatggcaca gatatgcagg ctcggtgtg gaagcgcgag agtgccatgt tccctggcac 120
ggccggggcca aagtcgagac gattctcgct ctggacgctg gtcaagttca tcgccagctt 180
caacaagaaa gagaagtaca ttatgggttt agggctgacg ctctcgctct tcgctggagg 240
cgtgcagccg gcacagtcgg tctgtctggc aaaggccgtc aacgccatct cgactcctgt 300
cagccagccg gagaagctgc gacatgatac aaacttctgg gcctctatgt tcctcatgac 360
aggtctggtg actatatttc tgtttggcac ccagggcacg ctgttcgctg tcagcgccga 420
gaagctcatc cgaagagccc gaagcagcac attccgcgtc ctgctggggc aagatattac 480
tttcttcgat gaagaggata acaccgccgg cactttgacg tccatgctgg cgaccgagat 540
caaaaacctc gccgggatca gcggcgcaac gctggggacc ctgctcatcg tgaccgtcaa 600
cctgtttggc tccctgatcg tcgcctacgc cctgggctgg aagctagccc tcgtctgctc 660
atcggccgtc ccattactcc tgctctcagg gttcctgcgc acctggatcc tcagccgatt 720
ccaggcgcgc ggccgcactg tctacaaaaa gtctgccagc gacgtcagcg aacgcgtcac 780
ggccatccgc accgtcgtct ccctgacgat ggagcaggtc atctcaacgc gtataagacc 840
agacagcaag 850

<210> 21563
<211> 850

<212> DNA
<213> Aspergillus nidulans

<400> 21563

ggtgaagcag gtatgccatc aacaggggct tgtgtcccag attgaagaag gatagcgctg 60
atctctgtca cttgcagttc ggcttcggtc agtcgaaccc gacgtaccaa ctcatcgccg 120
ccgatgggca gaaattcgtc atgcgcaaga agccgccagg aaagcttctg tccaagacgg 180
cgcataaagt ggaacgggaa tacaagatca ttcattgcact ggagcagacg gacgtaccgg 240
ttcccaaggc gtactgtctc tgcgaggaca gcagtgtaat tgggaccgcc ttctacatca 300
tggagttcct ggatgggagg atattcacag acccgacttt cccagatgtc acagcggagg 360
aacgaactga attgtacggg aaagtggccc gcataggtat tcgcagctaa ctcatcgagc 420
atggaaagac gccgttcgca cccttgccaa attccaccgc gtcgtcccca aatccgtggg 480
actcgagacc tttggcaaac caagcggctt ctatgaccgc cagattgcca cattcacgac 540
tgtctccaag gcacaggcgc aacgtgcgac gtcgaaacca aagaaccggg cggggatctt 600
ccgcacttca tggaaatggg gcgcttcttc caggacaaat ccgcgcacgc caaagaccgc 660
ggcaccctcg tccacgggtg ctacaagatc gacaacctcg ttttccacaa gaccgagcca 720
cgcgtcatcg gaattctgga ttgggaaatg gcaaccgtcg gccaccgct ctccgacttt 780
tgtaacctta ccagccctta cttcttagag ggcacggagt ataagttgga acacttcagg 840
ccgggcgctg 850

<210> 21564
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21564

aacgcctccc ggcttcgtga gccgccttcg caaatacctc aaatcccgcc gcatcacttc 60
agtaacccaa atcggcactg accgcatcat cgacttcagc ttcagcgatg gcatgtatca 120
catgttgctc gagttcttcg caagcgggaa catcattatc accgaccgag actacacaat 180
tatcgcgctt cttcgtcagg taccaggtgg tgagggaatg gaggaagcaa aggtcggttt 240
gaagtacacc gtgacgaaca agcagaacta cagcggcatt ccgccgatca cgcgagaccg 300
aattcgagag acgctggaga aagcgaaggc tcttttcgag caggaaaacg acgcgccccaa 360

gaagtcgaag aaaaagagta cagacgttct gcgtagggct ctatcccagg gattcccaga 420
 ataccaccg ctctactgg atcatgcctt tgcaactcga gccgctgacc ccgcaatgcc 480
 gctcgatcag gtcctgggcg atgcgggtct tattgatgtg gtcttaggtg ttctagagga 540
 ggcacagaac gtaaccaagg atttgtctgc ggataaagca catcctgggt ttattgttgc 600
 gaaggaagat acacgtccaa agccgccagg accggagtct gaaaaaacg actcgccctc 660
 gaagcctgct ctactctacg aagatttcca tccattcaag ccgcgacagt ttgaaggaaa 720
 ggacggtttc accattttgg aatacccttc tatgaatgcg acggtcgacg aatattactc 780
 atccatcgag tcccagaaac tagaatcacg attgacggaa cgggagagtc gctccaagag 840
 agagcctgag 850

<210> 21565
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21565

cacgttcacg ttcaacatcc cactttatct catgaccaat ctctgctcgc aaccggcgcg 60
 gttcttcacg ttctgctat tctcattcgt gacgactttg acgatgtcga tgctgtttcg 120
 tacaatggct gctacttccc gtaccttgtc acaggcactt gtcccggtcg ccaccttat 180
 tctcggcctt gttatctata cgggtttcac tattcctacc aggaacatgc tgggctggtc 240
 gcgctggatg aattatatcg acccattgc ctatggattc gaaagcttga tggatgaatga 300
 attccacggc cgcttattcc cctgctctga gagtgaactc gttcccagct atggtgatac 360
 tgccaaccga gtgtgtgctg ttgtgggtgc aactcctggt gaactgatgg ttaacggtag 420
 tacctacctc cgcgaaagtt atcagtacac caagagccat gagtggcgaa atctgggtat 480
 catgtttgcg ttcatggctt tcttctgtt cacctacttg accgcgactg agtacatctc 540
 cgaggccaag tccaaggggtg aggtgttgct tttccgccgc ggccaggctc ctcccagcgt 600
 caacgatgtc gagaccaca gccagcaac agcaggtgaa aagggtgatc agtcgactca 660
 agatgttgcc aatatccaga gacagacagc tattttccac tggaaggacg tttgctacga 720
 tatcaagatc aaaaacgaac ccaggcgcat tctggaccat gttgatgatg ggttaaacc 780
 cggctacttc actgctttaa tggaatgttt ggtttccttc atcggggcta ttgctaattt 840

gatagggagt

850

<210> 21566
<211> 754
<212> DNA
<213> Aspergillus nidulans

<400> 21566

cttgccctcc tcctaacaat tcacctcac cccaccacct cagagcacac cgaaccgacc 60
gacacccaat attgttctcc tccttcatgg gctcggcgat acgcacacgc cattcacaaa 120
cctcgcatct caactttccc cttccgagac aacagtactg acaattcgcg cgccgagttc 180
actccccctt gatctgcccg ggttccactg gggcgacgac attaatcttg actcacgcag 240
tgggggcggt ggacatggat tgcggtatct gaaaagtcta ccaagctact cttgaatata 300
gggaacagag atgttcttgt caagcaagtg cggaataga caacaggaaa ttctaatttg 360
ggggtttgga caggggggta tggttggaca tgagcttgct cagacactga acgagcagtc 420
cgaatctggt tttgagcgag gggaactggg cggaatcatt tcagtagggg ctccatatcc 480
cctctcactg accggaaagg tccagaatga tgggacgggg aaaagccgga cgcctatcct 540
gctggttcac ggacgggact cggaagtcgt gacggagtct gcggtgaaaa ggacaaagga 600
cgtctacagt ttcgtggagg ttcataaata taggagcgcg ggggatacga tgccgcggag 660
ccgggaggag atgataccaa taatgcggtt tctgggaagg aggttgcgca gttggcaggg 720
tgttccagag ggggcagtgg agctttctctg attt 754

<210> 21567
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21567

ttggtgaaga gtacggccat gtgaaagtgc agcttggaag gacaagggtt gttttccatc 60
gcccgatatg tagcactgct aactttctca gccttgctgt taggatctcc gccgaagttg 120
ctaagcccca cgatgatcgg ccgtttgacg gcacttctca tattgccatg gagcttactg 180
cgatgggctc gcccgcgtgg gagaacggcc ggtatggatg ccgatatgtg tatatggatg 240
gagctaattg tttcgcaata gacaaggaga tttagaaacc tacgttacga acgtgttaga 300

tcgtgttatt cgccattcga acgccttaga tccgagtcac tctgcatccc tgaaggcgtc 360
 agctgctgga cgatacgcg tgatgtacac ataacggact acgaccgcaa tctgatcgat 420
 gcatcgtgaa aggcgtcatg gctggactcc aacatctctg tcgtcccga gctgtggtca 480
 agaacggcca agtgatcggt tccggactgg atgaaagagt tcccgcgccc ctgaacatcg 540
 ctcataagcc cctttcggtt acgtttcata cattcgacga cggaaagctt gctattctgg 600
 atgcgacgcg gaaagaagag caggcttcga aagcggacgt tgtgattggg atgaacaatg 660
 ccggagatgt ctgctacctg tctaaattcc agggctcccc ggtggatgcc ctggtgttta 720
 tcacaaagac ctgcctcgca cttgagaagg tcaagtacat caacggcatt attgacaaag 780
 ctctgcaggc tgatcttgcg aaacgggtcta aggggtgggt cgcgagagcaa gccagagcag 840
 agaacgatcg 850

<210> 21568
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21568
 acaattgccc atgtacatgg ttcccgcggt ttggctcttt gttgagaata tgccatttct 60
 cccttctcgg aaactggacc gtaagggcgt tctccagtgg ctagctcgac tagatagaga 120
 tccctaccgg acaggggtcaa caacaatagt ggcttccttc caggataagc ctctgagtga 180
 tgcagagctc cagattgccc aggtttggag tcggctgctc aatatccccg tcgaggagat 240
 tccaccggat gaaagtttcc tgagacttgg tggcgattcg attgcagcta tgacttgcatt 300
 gaaccagtgc aaaaagcatg ggctcacaat gaccgtgcag gatatacttc gcagctcctc 360
 cattggggac ctgcctctc gcaccaaacc aacctcaacc cccgcccccg tgagctatga 420
 cgaaagagtc gaagagcctt ttgaccttcc gccattcag gctcttcact tccaggtccg 480
 tcaagagggc caagggcact tcaaccagag tatcctgacc aaaatcaacc gacgtatcga 540
 tgccacaacc ctccgtcaag cggtagagac actggatttg aggcattcta tgctgagagc 600
 tcgtttcgaa gtaatcggcc ctggatctgt gattcgacag cgtataacaa acgaggttac 660
 aacttcttac cgttgggcgg aatatgaagt cgattcggag agtgcaatag acgagttcgt 720
 cgcggcgagt caatcgtcgc tctcttgctt cacgggaccc cttctgcggg ttgacctttt 780

tgatgtatct gggaacgcac aactcctatc catgatcggc caccatttag tcgttgatat 840
tgtctcctgg 850

<210> 21569
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21569

aaggcgccctt cctggagcat ttagagctgc tgaaaaaggc agcggcctcg ctgggctcgc 60
aacaatcttt gccgcagtgg gaatttcttg agatccggac cccgcaagaa ctcaagagat 120
gcgatgcgct cgtcctgcct gggggtgaaa gtacagcaat tttcattggt ggcagctccg 180
gcttatttac ttgagccttt gagagatttt gtgaagtcag ttgtttttaa aaatggtgat 240
tctgagtgtg caacgactgg cttatatattt tctttccccc tgggggccac cgcaaaccac 300
catggggaac ctgcgccggg ttaatatattg tcgcggaatc ggcgaaccgg actaaaaaag 360
gtggccagga gttgatcgga ggattagatg ttcgagttaa tcgcaaccac tttggccggc 420
aaacggaaag ctttcaggcg ccgcttgatc tgccgttcct cagcacatcc ggtacacccc 480
agcagccctt tccggcagtc ttcattcgtg cgcggtagt tgagaaaatc ttgccgcac 540
acgacggtat tcaggtggac gaagctaaga gatcgagac cgttggtgct ccttcgcgac 600
aagccgagag cgaagcgcc cggagggcaa tgtcacgca cgttgaagta ttggctagtc 660
ttcccgggag gctgcgcatt tagctgtcag tggaacacct attcgtgcgg atgaggaaac 720
tggtgatatt gttgccgtga gacaaggcaa cgtctttggt acaagcttcc accctgagtt 780
gactggtgac gaaagaatcc atgctggtg gctgcgcaa gtggaagatt ctgtaaaacg 840
attgcaatga 850

<210> 21570
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21570

agggttgggc gcagccatgc gatcggcacg tgctaaggcg acgaagaact ttgagactga 60
agcgagccgg taccacaaag gtgtctatca gcggaagcgg gcggagcttg agggaaaggt 120

tgatacccggt ttgaaggccc ttttccaggg tcaacttaac gccgcgcaca agtccggcat 180
 caatgatttc agtgacgcag tcaactgctga agtgaaagcg ggacagaaaa agggcacagg 240
 ctatgacttt gccgagatag tcaacgatga ggtgaagaaa gctcttcaga aatatgaaga 300
 agtcgcccgt gccactgtgg tagagggcgc accctggagt aattatcagc aagaattggc 360
 attgtacgaa aaagagcttt cagaggtcag cggccgctg agaagggatg agatgagacg 420
 gttagcgacc cgtgttgagc gatgggttca atctcgctta ggtgaatctg ttggcttgga 480
 gtttaacgct ctgggttctg gacgtgccg tggcgctgcg cccgaatcgg gcgagaagcc 540
 gtctgaaaag aagttctggg atcgtgtgtg gaacctcttt gttgagacag tccttgacgc 600
 cgagagaaga ttacagacc gcgcaagcag ctttgatgcc agcttgagg aagtggatgt 660
 tgggctatgg aggctgcgaa ggaagtcttg ggtgtctctg cgcgccaaga ttgaagagga 720
 aatgactgag ggaaacttgt tactcaaact gcgggagAAC tttgaagaca aattccgcta 780
 cgatgaagcc ggcgttccga ggatttggcg gccgactgat gacattgagg gcatctatac 840
 tcgagctcgc 850

<210> 21571
 <211> 651
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21571

agatcatcgc cacagctcaa gttctaccta aacgggactc ccatctcact aaccagccca 60
 catcctcgct ggacactgct cgactttatc agatcgagg acggtctcaa gggaacgaag 120
 ctggggtgcg gtgaggcggt ctgcggtgcc tgtacggctg tccttcagac gagacagcat 180
 ggaaagaaga ttcgccacct tgctgtgaat gcttgtttat atccattaat aggaggtatt 240
 gcctgctcta catgaccgag aatcaaagta cagtggatac tgatatgtac agtatctgga 300
 aagcatgtta tcacaatcga gggcttgggc accgttgacc acccccatcc gctccaagaa 360
 cggatcgccc aactccacgg ctcaaatgt ggtttctgta ccccggtat agtcatgtca 420
 ttatatgcta tgatccgaaa tgcgtacgac cctgtgacgg ggaagttcca gctatccgcg 480
 gatgatatcg agagtaaggg gcatctagat gggaaccttt gccggtgcac gggctacaaa 540
 cccatcctca atgcagcgag gacatttatc gaagatgac tgggatctgt gccgagcatt 600

gtcgagtcag agttggtagg cacggaggaa gagacggaga gtgatatggg c 651

<210> 21572
<211> 575
<212> DNA
<213> Aspergillus nidulans

<400> 21572

atccaaaaac tgaaaacaat ccttacttgg gattcatata tacttctttt caagaaagag 60
ctacattcat ctcccatgga aacactgcta gactggcaaa ggatcttgga gacttgacac 120
ttgggaagat ttgtggcacc attgctgctg atgagaggcg ccatgaacac gcctacacca 180
agattgtaga gaagctcttt gaaattgata ctgataccac agtcgtgggc tttgctgaca 240
tgatgaggaa aaagatctcg atgcctgctc atttgatgta tgatggctcg gatgataatc 300
tatttgatca cttctcgctc gtggcccaga ggcttggtgt ctacactgcc aaggactatg 360
ctgatatact gcaacatctt gtggaaagct ggaatgtgga gaagttgtca gacctttcta 420
gtgaaggaaa cagggcccag gtaacaacat tagaaccatg aaaccgtttt tgttttcttg 480
tttttgactt gacatgaaac atccaacttc tattaagttt gtttactttg ttaaaaaacc 540
tcaccttgca ttaaggaact tacagaacgg ggatc 575

<210> 21573
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21573

tcgaaaggca tcggcagagc gacagcgcag cgcctggcta gcgaaggcgc cagcctgggt 60
atcaactaca acaccgacgc cgcctctgcc caggcgctcg tggacgaaat cggccaggac 120
cgcgctctcg cgggtgcaggc agatgcctcg aaactggcag acattgatcg cctggtggac 180
gcggccgtgg ccaagttcgg caagatcgac atcctcatcc ccaatgccgg tatcctgcct 240
atgcgcgatac tggagcacac caccgaggag gactttgact ttacctataa tctgatggtc 300
aagggaccat actttctcgc ccagggtgggt tcatgatttg cttattcttg ttcattccaa 360
tcttgttcta ttttatgctg cttttgttct atttttactc ctttcattgt ggtccacgag 420
ttggttgat tctttatggt atttggatat cctggctcgt gtctaacagg cacagaaagc 480

agcaaaacac atccccgctg gtggacgcat catcctcgtc tcgaccggtg tgaccgtgct 540
 ctccaacatt gccccagcat atctcctcta cgctccgcc aaagcagccg tcgagcagat 600
 ggccccgctg atggccaagg acctcgcacg caatgggatc ctcgtcaatt gcgtcgcacc 660
 aggccctacg actacagggc tcttcttgaa cggcaagtca gaccagatgc tcaagatggt 720
 cgcgggattc agcccggtca accgcatcgg tgagccggaa gagattgcaa atgcggtata 780
 cttcctctgt agtaaagaca gcagctgggt ttcgggacag accctcaggg tcaacggggg 840
 aatggcatag 850

<210> 21574
 <211> 822
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21574
 atcctctggc ctttagtggg cttctgtctc tacgttgcca tcattacaac atggtatacc 60
 ctcttcagtc ctctccgtgt catcccaggc ccaaagtcac ggaccttctt ccccatTTTA 120
 cggcacatct cggccatcct cggccgcttt gacaccgata tgcgccgctt ccacgccccaa 180
 tacggcccgg tcgtacgctt tgggtccgaga gaagtctcgt ttataactgc tgacgcctgg 240
 aaaaccatct atggtcatgg acacaccag ctgccgaaat atatgcactc tgctgcagac 300
 ccgcagtcca tcatctctac aaacgacact gaccactcac gctaccgcag ggctctatcg 360
 catgcattct cggccagagg actgcaggag caggagcccc tgatccagag ctatgtcgat 420
 aagctgattg tacgtctgaa aggcgttgcg gaatcgggtc gtccggaaga catggtcaag 480
 tggtttaatc tcaccacttt tgatatcatc ggtgacttgg cctttggaga gccatttggT 540
 ggtctcgata gcgcagagta tcaccactgg gtatcgacga ttttccaatc tatcaagggtg 600
 aatccgttta tactactcaa agacaattac cctatgctcg gctggctcct gcttcgcgcc 660
 tttgtaccag agaccctcag gcaggcgaaa aagagacaaa tcgagcactc gcgggttact 720
 gtgcagaaga ggctctcctc agatatccac acccggcctg actttatgga ctcgatgctc 780
 cgcagtcgcc actatactta caaccagaac gactggaaaa ag 822

<210> 21575
 <211> 807

<212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 21575

ccgggcccc ccncgatcta ttggccggcc acacagaaag tcgaaancag acccacgaca 60
 ncaacggggg gggaggaatg aacacccacg cgcgnggacg acaccncggc gcccgagggc 120
 aacnacggga cacgacccga gggcacccca acgaaaccaa gacngacaag acanaaggaa 180
 gagcaganac caggcagggg cgaagagaag nacaaacgca caacancgn caccgcgcaa 240
 agcgnggacc acaananacc aacgacacaa gaaacgacac caaaggggac gaaaaccagn 300
 gggcgggacg gaaccgccac gcgagacaa ccgggaaggc ccaacgcaac gaacagcgca 360
 ccccgggcgc caccagaagn acggcgaccg agaacccaan cggcaccccg aaagcgccga 420
 cccaccgaa cagggcngcc ggaccaagaa agcgaaaccg cgccaaaacg gagcaccccg 480
 aacaaaaagc aagacgcccg aggcaccaca ccacaccacg caaaaaccgg ccgacacagg 540
 gagaaaccgc anaccgaag gaccgaaccc aacggagcnn ccaccnngg cagcacacga 600
 aggccgaaag cagccggccc agcgagcacg gggccggacc ccagaagcga aggagcccc 660
 ggccccccac ggaaaagaaa aggagnngcc ccgccaagga aacggaggaa acaccggccg 720
 gccgggaacc ccaacgggac cccacccac caggggaaac cccaccaga gccgaggacg 780
 caaaaacaaa aggggaccgg gaggcac 807

<210> 21576
 <211> 716
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21576

ataccgaaca tggcccatga agccagaaag ctgtgtttcg ttactgttgg agctacagcg 60
 tccttccatc tccttttgaa ggccatcttg gatcctatct ttctagtacg tttgaatcag 120
 cacgggtata ccgatcttct tattcagtat ggcaaggacg gacagcagct ctttgacgac 180
 tttgtcgcaa actatccacc tggcgacccc agacgtcatg gtatcatcgt gcaaggattc 240
 gacttcaacc aagcaggctt ggacaatgag atgcgtctag cgaaggccaa tgcctcagag 300
 aaccgaagca gtggactggt cattagccat gcaggtaata cctacctcat cttttttctca 360

ctctagtagc tgacagctgc cgaagggtcc ggcagtattc tagcagcatt gagacttggg 420
gtcccgtgg tegtgtgcc taatccgact cttcaggata accaccagga agagcttgcc 480
gaggtacttc aggacgaagg ctacgcgata tggagtgact acaggtatga tattcctgct 540
ccaggccctt tcttgataat tactgattta ctggaagaga aatgcccact gctctcgagc 600
gagctgaggg tctgcggact aagatgctaa cttggccgcc agttcatggg atgcacgagg 660
gacagccacg agacttggaa ggcgtagttt cagaagaaat gggctacttg gattaa 716

<210> 21577
<211> 676
<212> DNA
<213> Aspergillus nidulans

<400> 21577

ttcgcagcgg ggccgtcttt atttacgagg agaattcatc cgggatcaag cgatggacgg 60
acggcgtaac gtggagcccc agccgcattc tgggtaactt cctcgtctac cgcgagctgg 120
agaagccgtt tccccgggt gaaaagaaac gggcgatgaa gaaaaccacc cggcgccccc 180
tcacgtcagg gagggccggg gaaccgtacg cgcgacagga tagcaacggg ggcagctact 240
ctccgtcacc aacagccagt gggttatggg cagagaggac gcatcagtcg gaaatcgaga 300
ggcgctggg cggctcgctg gtggattcgt atggtttcaa ggagatgggg ttggtgaaga 360
agacgatgag cgttaccgtt tctggcgtga cacatcacct tgtttcttac tatagcgtgg 420
aggacgtgac gcgaggagtg ctggcgccgc cgtcagcggg cgaggcgctc aaatatgtcc 480
ggccccgtcc agagctgacg cagaagcaaa gcttccgcgc cccaattgac gagctggaac 540
atgtgggaat ggaggttacg agtgatccat cccatccgtt cttcccttat cgctcgcaga 600
tggtgccgac tccgccgtac tcaataccgg ctctcaaca ggatttctat atgcagcagc 660
accactacgc accggt 676

<210> 21578
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21578

agtaagcgta tgggtatcat tgttgagttt gacaaggaca aggatgtcct caattccccc 60

gcagaggagg agatctggtt ctaccaaag ggagcggaca ctgttatgac ctctattggt 120
gcggttaacg actggcttga tgaggaaaca gcgaacatgg ctcgcgaggg cttgcggacg 180
ctcgtggttg gacgaaaacg gctttcgccg ctgcagtatc aggagtgtgc cagcaagtat 240
aagcagggcat ctctttcgct tcaagggaga gatatcggca tgcagaaagt ggtaaatgag 300
tatcttgagc atgacttggg gcttcttggg gtcactggcg tggaagatcg tctccagagg 360
gatgtgaaac cgtcgcttga gcttttgcgc aacgctgggt tcaagatctg gatgcttact 420
ggtgacaagg ttgagaccgc acgatgtgtt gcgatttctg cgaagctggg agctcgcggt 480
cagtatatcc atactgttgc caaagttaaa gacaaatcgg ccgcacagga agcattggac 540
ttcctgcgaa acaagactga ttgctgtctc ctgattgatg gcgagtctct ggctctcatg 600
ctcaatcagt tccgatcagc atttatttcg gtcgctgttc tctccctgc tgtgattgca 660
tgccggtgct cccaacaca aaaggctgaa gtggccgatc tgatacgtct tcataccaag 720
aagcgccctt gttgtattga gaacgcccgc cccgatgtgt ccatgatcca agcggcaaat 780
aaaggaattg gtattgttgg aaaggaaggc cgtcaggcct ccctcccagc tgatttcaga 840
atcactcagt 850

<210> 21579
<211> 850
<212> DNA
<213> Aspergillus nidulans
<400> 21579

ggccaagtgg tctgccaac ggggtcgcca actgcagatc tgtgtgtaaa aggagtctgg 60
aaccatttta gccctgtgg ttaacgacat atgttctcgg ttcgcaagta agtcacacgg 120
acacattttt ttgccttgcc ggaccatca cgggcagggt tcccagcttg tgggcaccca 180
ctagccctga ccgtccaaac gccaccctca aagtttcggg gacgttagcc cgacccccag 240
aaaattagaa tgggacatgt tgcttgagct tagcattgct atccggtttg ccgaatcgca 300
tctcgagat ctcttcagc agcatgaatt ccaagtgtt gatttcaagg gattcggaaa 360
gaactttatt acctcaatgg gattctcacc ggacgattc gtccagatgg cgttccagtc 420
ggcttactac gggctttacg gacaagtggg aaatacctat gaaccagcaa tgaccaaggc 480
tttctgcat ggacggaccg aagccattcg atctgtcacc aatgaagccc tcgacttcgt 540

gaagacattt tgggctgaaa accctgctga ggataagggtg aatgcccttc gaaaggctac 600
 tgagaagcac tgggcaatca cgaaggaatg ctccaaggga caaggacagg accgccacct 660
 ctatgtcttt tacaccctgt ggcagcgaca attcgacgaa gcccttagct cccggaacaa 720
 cagcgtcgat gaagcgtcga acgggtacac gagtcctgct gagatcgact ccatacgtgg 780
 gtctcctcta tccccgtcct ctgtatctga ggtggatggg ttgtcatcca ctggcagcta 840
 tggccgggct 850

<210> 21580
 <211> 398
 <212> DNA
 <213> Aspergillus nidulans

<400> 21580

tgggcatcca ttcggatact tcgagatata ctgggttaaa gaagaccctt taggatcatt 60
 gattggggga actgataatt acgaccgagg cattcatggt cttgttggcg agcaaaagta 120
 ccgcgggtccg caccgggttt cggcatggct gacatcgctg gtccatttct gttggttggc 180
 agatatgcgg actcagactg tgatgttggg gccaaagagta gacaataaga agtgcgttac 240
 catgccagct tcattgccgc aaaatgctaa tcaaacgcag gatgatcagc tatctcgaga 300
 gcgcaggggt ctacaaagac ggcgagggtta cattccctca taagcagtcg gcgctgatga 360
 aaatccggcg tgatacgtgg gaggtcctt ctatctaa 398

<210> 21581
 <211> 525
 <212> DNA
 <213> Aspergillus nidulans

<400> 21581

atgttcataa cgacgtcatg cttgcttttg gtactccoga aaaacaaatc ttgatcgaac 60
 ctatatttgc ccaatggata caatctgctc atgggaaaac ttcatatgga tttgatgtac 120
 ttttatcttc gacaagtggc ccagcattta atgcgggtcg cagcatatgg ttgcctggct 180
 ggttaaatgc tattaatgag aatagtaatt cattattctt aacaataggt cctggagatt 240
 tcttgggttca tcatgctatt gctttagggt tacatacaac tacattgatc ttagtaaaaag 300
 gtgctttaga tgcacgtggg tccaagttaa tgccagataa aaaggatttc gggtagattt 360

ttccttgcca tggccggga cgaggtggta cttgtgatat ttcggcttgg gacgcatttt 420
 atttggcagt tttctggatg ttaaatacta ttggatgggt tactttttat tggcattgga 480
 aacacatcac attatggcag gggatcctga tcctctagac tgcag 525

<210> 21582
 <211> 667
 <212> DNA
 <213> Aspergillus nidulans

<400> 21582
 tctccctgtc tctttcaacg agccgacatc acttctccag cgcgtggccg aagatctgga 60
 gtatacggat cttctcgacg ttgctgccga tcggactgac tcgatggagc gattggtgta 120
 tgtcgccgcy tatgcagcaa gtgaatacgc ttctacaatc ggacgtgtcg ccaaaccatt 180
 cacccccta ttaggtgaaa cttttgaata tgtaggcca gataagggt atcggttctt 240
 cgttgagcaa gttagccacc atccaccgat tgggtagacc ttggctgaat cgccaaagt 300
 ggactactgg gtatgttccg actgccatat atcagtttaa ggatatgtcg ttagctaacc 360
 gtggtagggg gaatcatctc tcaagtccaa attctacggc aagtctttcg acatcaatct 420
 cctgggaacg tggtttttga agcttcgtcc tgtatcagga ggcgaagagc tctacacttg 480
 gaagaagggt acgtcctcag ttattggcat catcactggc aatcctactg ttgataatta 540
 tggctctgat gagattaaaa actggaccac tggtagata tgctatttgg atttcaagcc 600
 tagaggctgg agagcgtcct cagcatatca ggtgaccccc gaggttggtc taaatcgct 660
 cctgttt 667

<210> 21583
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21583
 ccgtgggttag agccttttcg ggaggctatc aagcgccgat tcgattatgt tgagagctgg 60
 atcaagaccg ttgatgaggt ggaggagggt ctcgataagt tcagcaaggt gagtagacta 120
 tcaactatcc agttgtgttc cccattttct ctataacttg tgtgcaacgg ctaattggag 180
 agcttcttcc atggggacga tagggctatg agacattcgg cttcaatgtc agcgagacgg 240

gcgacatcac ctacagggaa tgggctccaa acgccataga agcggcgctg gttgggtgac 300
 ttcagtacgt ctgtctggca cctgggggtg gtaaaatcgc cagttaaagc acgttactaa 360
 gactggcaga caattgggat accaaggcga atccaatgac gagagacaac ttcggtgttt 420
 gggagattgc ccttcctgcg aagaatggca cgccggtcat accgcatgat agtaaggtta 480
 aggtatgttt acggcatgca gcttcaccac cgtggggggtt ctaatgctga cttcctacag 540
 ataactatgg tcacccgcag cggagaacgt atatatcgta ttcccgcgat gatcaagcgt 600
 gttgtgcaag atctgaatgt atcgcctatc tacgaatctg tcttttggaa cccaccaaag 660
 gcagagcggg ataactttca gcatgcgcgc cctaagaaac ccgaaagcct acggatctat 720
 gaagctcacg tcggtatctc gtccccggat accagagtag caacatacaa ggagttcaca 780
 gccaacatgc tccatcaa at taagtaccta ggctacaacg caatccagct catggcgggtt 840
 agtcctcata 850

<210> 21584
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21584

taccagtatg agcagagttt gttcgtccgc atgcaatcga atcaccctcaa cgatgtccat 60
 ttgctggata ttcaataccg tatgcatcca gcgatcagta tgttcccgcg tacagcattc 120
 tatgacggca ggctacaaga tggctcctgat atggctcggc tgcgtactcg cccatggcat 180
 caaagcgagc tcctcagtcc gtatcgattc tttgacgtgc aggggtcttca ccagagcgcg 240
 ccgaaaggtc actcattggt gaactttgca gaattgaaag ttgcgatgca gctatacgag 300
 cgctactaa aggatttcaa agaatatgac tttagcggca aagttggtat catcacgcca 360
 tataaaggac agctgagggg gctgaaaacc caatttgcca acaagtacgg gaatgctatc 420
 ttcaacatga tcgatttcaa tactacggat gcccttccag ggtagagaag ccgaagtcac 480
 catcttctct tgcgttcggg cctcgaacaa aggaattggt ttcttgtccg atattcgtcg 540
 tatgaacgtc ggtctaaccg gcgcaaaatc atccctctgg gttcttggtg actcgcagtc 600
 gctggtccag ggcgaatttt ggcgcagttt agtcacggat gctcgtcaga ggaatgtcta 660
 caccgatggt gacatcctga aactccttga gaagcctcag ttcaccgggtt acaagaacgt 720

tgagatggct gaagccgatg cgtcagattc tccagcacca tcaaggcctc tttctgcttc 780
gtctgtttct cgaccgcctt cgggtgtctct tgagaatctt ccgccggagt cgctgtctc 840
tgcaggtgcg 850

<210> 21585
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21585
tgttatgcct tttagtttgg ctaatacccc aagcaccttc caatagtata tcaactggat 60
gttacaagac ttccttgaca agttcacatt ggcatacttg gacaatatac ttatctttac 120
tgatggatcc ctatattaat ataggggaaca tgtatactga gtactagcct gactacagga 180
agctggcttg cagatagata tcaacaagta caagtttgaa actaaaagta ctaagtatct 240
gggatttatt attgaagcag gcaaaggaat acagatagat ccagagaagg tcaaggccat 300
tgttgattgg caaacccta tattaaccta tggagtatag ttattcctag ggtttgtaa 360
cttctactaa cactttatat aaggattttc tgatttaata tatcccttag tggcccta 420
acagcagggg atactattta actggaccaa caggtagatg caagtatttg agcagttaaa 480
gcaaataatt accactgcac cagtactaat gcagtttgac cctgatcaag aaatagttgt 540
taaaacagat actttaact gggctactgg tggagtgtc ttacagtata ataataatag 600
cttactatga ccttgtagct acttctccaa gaagaactca ccagtagaat gtaactatga 660
gatctataac aaggagctac tggccattat taatacttta aaggaataaa aggtagaact 720
tattagacta aaggaattcc ttattattac agactatcag aatttgcatt actttatgat 780
aatacaacag ttaaataaac aacaaatgta ttaggcagat atcctaagct gctttaacta 840
caaagtatat 850

<210> 21586
<211> 501
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 21586
actgggtaaa agctcactcc tcgagcttgg ctaaactcgc accccaatga ggacatcatg 60

agganccgca gtttgcattgt gcaactgcccg tcgggtgccca ttcccaagga tggcccgtct 120
 gccggcttcg cacaccacca cgcttgattt ctctgttctc tggtaaagct gtacccccga 180
 agcttgcaat gaccggtgaa gtctctcttc gtgggcgcgt aatgcctgtt ggcggtatca 240
 aggagaaact catcgggtgcg ctacgagccg gcgtaaccac tagtgcttct accgcatcag 300
 aatcggaag atgtcaagga tgtcccgga gaagtaagca atggctctga aatcatctat 360
 gttaagtatg ttcttgatc cctccttctc atataaagtt actaacgtaa actacgtagg 420
 cacatatggg aagctattcg acacatctgg cctgatgctc actggcctgg ccagcaccat 480
 atggacttcg ttgaaagccg t 501

<210> 21587
 <211> 533
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21587
 ggcgtgagta tccttcgctc aggggagcagc tttgaaactg ccctacgaag ggcttacggg 60
 tacgttacga cctttgggtca ggtgggggtt tgggtgcgagg tatacagtgg ttgtttcatt 120
 cgctgaccca tctatcatgt ctgtgtccag cgagaacctc agcatgggca agctcctcat 180
 ccagcgcaac gaggaacga gtctccctgt ccctctgtac tcgaaactgc cagcgggtat 240
 cgcgagcag tgtatgtccc tttcttgaac ttgctgttac ctgcctaact gaaatgtctg 300
 atggccagcc gttttaatcc tggaaccaat gctcgcgacc ggcggttccg ccataaaagc 360
 catcgacgtg ctgaaagaga aaggcgtgtg cgaggaggat atcgtctttg tgaatctggg 420
 tgcgtcgaag aaagggctcg agacgataat gcaacggttt ccgcggttaa ggcttgtaac 480
 tgcagcggtg gacgaggcgt tgacagtgtc aaagtaagta tattacgatt tgg 533

<210> 21588
 <211> 773
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21588
 gacgcggcat ctgccttcgc catcactggc aatgccgtgg tcaccggtgg tgccgggacc 60
 ctgcgcctaa cagcatgtac tgcgtctctc gacgacgggc tccagggtct catggtcctt 120

gacatgaacc cgtccatggc agagactgaa atcaactcac tacgagcccg atttcccgt 180
gcaaaaatca taactgcaaa agtcgacatc accgatgaaa acgccgttga tgccgccttt 240
gccgaggcat caagtgttct aggtccatc gacatccttt gctgcttcgc cggcatagtc 300
ggctgtgccg acgcgctcac catggccccc tcgcaattcc gccaggatcc tcgacgttaa 360
cacaaccgtg cctttatctg cgcacaggca gccgcgaagc acatgtttgc gcaggtgaca 420
ggggttcaat cacgttcatt gcgtccatct cggcgcacag agtcaactac ccacagccgc 480
aggtcgcgta taactgttcc aagacagggc tgctgatgtt gaagaactcg ctggcggcgg 540
agtgggcacg gtacgggatc cgaacgaaca gtataagtcc cgggtacatg gatacgatcc 600
ttaatgaggg agaagggtc caggggcata ggaagatctg ggcggagaga aatccatttg 660
ggcggatggg ggtccctcat gaattgtcag ggggtggtgtt tttgcttgct agtcgggctg 720
gggggtatat taacggggcg gatattgtgg ttgacggggg tggaattgtt ttc 773

<210> 21589
<211> 333
<212> DNA
<213> *Aspergillus nidulans*

<400> 21589
tagtcgacta aaaaaattga agttagatta aattttcaaa ttgatcaaaa aaaagaatat 60
attttactat taattaaaga attttttaggt ggtaatatgt gctatagaaa aagtcaagat 120
acatattact atggatctac tagttttggt tcagctaaaa atgttattaa ttattttgat 180
tactttcatt tattatctag taaacatgtt aactatttaa aatgaagaaa agcatattta 240
ataattcaaa ataaagacca tttaacaat gatggacttg aaaaaattat aaaattaaaa 300
agtacaatga acagagtaaa tgatactaca att 333

<210> 21590
<211> 542
<212> DNA
<213> *Aspergillus nidulans*

<400> 21590
gcccaacacc atttttcgcg aagaagttcc tccctcagct gcagcctcag ggtttccgtc 60
cgcgcacggc acagaacttc gcaccacga ccccgatc atcaaggctg gaagcatata 120

ctactcttac agcgttggcc cgagcatcac aatccaccag gcttttagcc tcgacggccc 180
ctggacggaa gttggtgctc tgctctctgg cgaaagtgtc ataaaaaaag gcgaccgaaa 240
agccccctgg gccgcgaaca caatctacat caacggccgg tactactgct actactccgt 300
tagcaattcg ggggtgctgt acagcgcgat tggcgttgca tcaagtgcgt ttccccggcc 360
gggagagtgg acagatcatg ggctcattat ccagtcgggc actggtgagg gaagtgatgt 420
gtttccgctg aaccagtcga atacgattga cccgaatgta tttgtggatg gtgacggcat 480
gcgtacttga attttggcag cttctggacg ggtctttggc aggttcctct taatcagtat 540
ca 542

<210> 21591
<211> 499
<212> DNA
<213> *Aspergillus nidulans*
<400> 21591

ggcgggtgggg gctccacctt tttgaagact atcgctgggtg aaatgaacgg tatctttatg 60
gacgagaagt cccagctcaa ctaccaaggt attccggcaa agcagatgcg caagcagttc 120
cgtggtgaag ctatctacac ggcggagacc gatgttcact tccctcaatt atctgttggc 180
gatacattga aattcgctgc gctggctcga tgcccgcgga atcgctctcc tgggtgtctcc 240
agggaaacagt atgcagtcca tatgcgagac gtcgtgatgg ccatgttggg tctgtcccac 300
acgatcaaca cccgtgtcgg taacgatttc gttcgcgggtg tcagtgggtg tgagcgcaag 360
cgtgtcagta ttgcagaggc gaccctgagc gcaagtcctc tgcaatgctg ggatacagta 420
ctcgtggctt ggatagtgcc aacgctttgg tgagccgtgt tcggaagtcc agtcgggata 480
tatgtgctaa ttgaccgac 499

<210> 21592
<211> 670
<212> DNA
<213> *Aspergillus nidulans*
<400> 21592

aagcggcagg aacgcccagc gttctgtcgg gagtacgtct gatcttcgaa cccaagagtc 60
taacaaaatc gtgtcgaagt cgctctgtca taagagcgaa ccgacatcac gtcagaaagt 120

ctcgacggag ctccgtacct gctcgcttgc tttagacgagg cgttcagact gtacccgccc 180
gtcccgactg gcctgcagcg gaggacatta gctcctacat ttattttctgg atatgagatg 240
ccccaggag taaacctcac cttccaacta cctctgaaaa ccatggccgg gtactgattg 300
acatatgcag accattgttt ccgtccacca atccggcgcg tacagatccg aaagcaactt 360
ccatctcccc aacaacttca tccccgagag gtggctccca gacgcaaaga ccaacccgtc 420
ctcccaattc taccatgata accgggcggt cgtgcagcca ttttccgtcg gcccgcgga 480
ctgcattggg cggaaccttg cctttgcgga gatgcgtgtg attcttgccc ggggtgctctg 540
gaacttcgac cttgagctat gtaaggaaag cgagaactgg agtgatcaga agtcgtatgt 600
cctttgggag aaggagctt tgatgtgtag gctgaaggca agagagggca tttgactaga 660
catgtgacta 670

<210> 21593
<211> 645
<212> DNA
<213> *Aspergillus nidulans*

<400> 21593
ccaatccgct aaacgcccac gcccgcgctt ctgacacgac cgccttcccc ctccccaacg 60
agggccatgt cggtgcccac gatcccagca tcgtccgcca ccacgagcac ttttatctct 120
tcaagggcgg gattcatatt cccgtattcc gtgcttcgaa tctgtcaggg ccatgggaac 180
gactcggcac agtgctgaac gggcccagcc tgggtccagaa acagaaccag cggcgggccat 240
gggcgcccac ggtaacgcag tggaagaacc ggttttactg cttctactcg atcagccaga 300
atgggaagcg caatagcgcc atcggagtcg catcgagcga ttccgtagaa cggggcggt 360
ggaccgatca cgggcccgtg attaatacgg gacatgggcc ggggtcgggg gtataccgct 420
tcaatgtatc gaatgcgac gatccggcgt tcttcgccga tcccatcacg ggacagccat 480
atctgcagta tgggagctat tggaagggga ttttcaggt gccgctagcg gaggacttgc 540
tgtcggttga gaatgccacg catccgaaca cggaccatct tgtttttctg ccgaagaaga 600
agccgaagcc gaacgagggg gtttttatga gctaccgggc tccgt 645

<210> 21594
<211> 735

<212> DNA
 <213> *Aspergillus nidulans*

<400> 21594

aaaccgaaaa gcggacaaca acacaagtaa acacaacgag aaccaaaaca acggcaacaa 60
 gagggcgacg acccgagat cgcgagagc gacccggcag agcaccggg ggaaagcgac 120
 ggagacacc cagcacacc ggtaaggcgc tgcggacgag gcgcacacag acggacggaa 180
 aagaaaaagc cggcatggca gccaccaca agcagaaggc ggaaagacag ggaaacacca 240
 aaaaggggag acagcgaaga aaggacacag ggagggagga agagcacagg gaagcccca 300
 aacacaacac agcgaaccgg aggaaccaga aacgacagac gaacgccagc cgacagcacc 360
 aaaggccaag aaggcaaaga gccaccccg gaaaaagcaa aagcctgcga gaccgcccgg 420
 aggccacgag ggcaaacgc aaggacaaac acaggaccgg gacactagag aaccacaaag 480
 caaacacaac ccaaaggcg cagaccaac cactaaag gacagggcac acccagacg 540
 gagaggacga cgccacacc ccaacatccg gaaaaaaaa aggccagccc ccaacaagg 600
 aaagggccgc caaaaaacca gaacccaaaa aaaggggaaa ccgccagaca caaacgacct 660
 ggggacgagg gacccgacag ggaaaaaaaa acaagaccac ccaaaggaa agccaccccg 720
 aaggaaaccc cccca 735

<210> 21595
 <211> 621
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21595

atttcgagcc cgcagattga tggaaggagg tacatctcag cgtacggata tacccaagct 60
 aaagcgctcg tctactccaa atacggggaa caaaagatg tcttaaggta agtagttgtt 120
 cggcgtccat tatcgacttg tttttaacag gagtttctcg ccgcaggctt cacacacatt 180
 caatctccgc tccaatggc acacaagtca atcttcgcct tattgctgcg ccctgaatc 240
 ccgccgatgt gaaccagatt caaggtgtat acccaagcaa gcctcctttc gaaacgaagc 300
 ttggtacact ggaaccctct gccattgccg gaaatgaggg tgctttcgag gtcattgcaa 360
 ctggagccgc ggtgaagggc ctcaagaagg gtgactgggt tatcatgaag cgaacggggc 420
 agggtagctg gcgcacgcac gcccaaatgg acgagtcgca attgatcaaa attgaggacc 480

aaacgggatt aagtccactg caagtttagca ctgttagcgt gaaccctgtt accgcatacc 540
ggataataaa ggattttctgc gattgggact ggttgcgcgc tggcgaggaa tggctgagac 600
aaaatggcgc aaacagtggg g 621

<210> 21596
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21596

gccacagacg actcaaccgc tgaggttccc gtcgccgcga cactgcaga caagcccgaa 60
gtctctcctg aagccggtag ggggtgctgaa gatgctgtcg caaatcccca ggatgagatt 120
ccgaccgagg acgcgcagcg tgggtgtgcac gaggtcgagg ctgtcaccct gacctggagc 180
aaggcgctgc tgattgccgt tttcatcaag tatactcacc accccttttt ctctcttcct 240
ttaggaaaac gggaagagta aaagtcatta tattaatgct ttgtgtgtag tatctgggtgc 300
ctctacttcg tcaacgcctt ccagtcctcc atcatcagta acctgcttcc ctacgtgact 360
tccgactttg aatcgcactc gcttctgacg accatctacg tcgtcggcga ctgcttttcg 420
gcagcagtct tcatcccgt gtccaagatc ctagatatct ggggtcgcgc cgagggggtc 480
ctgttcatga ccatcctcgc gacgctgggc atggtcatca tggccgcttg ccataacctg 540
gcgactttct gcgccgtta tgtatgtctc cttaattgtt agtccacgcg ccattctcat 600
gagatatgaa aggtcttcta tacaatcgga ttcagcggca tgacctactg tattgatgtc 660
atcacgcgcg actcctcaa gctcaagaac cgagccctcg cctacgcgtt tacgtcgtcc 720
ccctacatca tcaactgttt cgccagcccg aaggcctccg aggacttcta tgcgctgtac 780
ggatggcgct ggggtttcgg tgtcttcagt atcgtgttcc ctcatcatcc gcggcgccgc 840
tgtacgtcct 850

<210> 21597
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21597

aatggacctc ctatgtctga tatggcttac tgacggcact ttttctaggc gatgctagag 60

cgcgtaggtc cgttggttacc tcttcgaacc ccttcctaca tccgagccca acgttcttac 120
 aaatttgacc agctaccgag cagatattgt tttgatgctc aaccgaaaac tacgtcgctt 180
 gattgtatgg tccccctaac tataattgca ttggcgaaat tcgaatagga ccctaactcg 240
 ttcgcatcta ggtcagcatt gatgagatcc gagcacacaa ccgggagatg gcagatgggt 300
 aagcggctat gcctatacat cacagtactt atcttgctta catctgttgt agcctcctta 360
 catctccttt tgactggaca caagccttcg acagagccct gaaagatgtt atcaagactc 420
 tccctaaccg cccgtcaagc gaaaccgccg acgaagtggg gagtttcctc tttcacagcc 480
 gtttaccat ctaatgcatg ctagaattat tactgtgctt acgttggcgc atttggggaa 540
 ttctcatgta accctagaac tctcgatcc tcacacctta accgaatggg ttctcttgag 600
 gggattgtga cgaaatgctc gttgggtcga ccaaagatca ttcagagtgt gcattacaac 660
 gagcgaaaag acagatttgt tacaaggaaa tatagggatc agaccatgac agccactggc 720
 gcaacattta tgaacatata ccctcaggag gatgaagata agaaccggg aagtgtttcg 780
 attcaatcca acatatgtgg ctaactctcc actttgtagc tcattacaga atacggttat 840
 tgtacgtaca 850

<210> 21598
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21598

cagcattttt ggctttgatt gaattagcgg aaatctgccc caaaatgttc aagggcctgt 60
 ttaacaactt ggtcaaattc agtgtcagcg ttgtcgcgaa caaggagctc agtgatcagg 120
 tcaggcagaa cgcgtagag ctgatggcta catttgcgga ttacgcccc gcaacttgca 180
 agaaggatcc cgatttcaca acacagatgg tgacccaatg tttgagcctg atgaccgaca 240
 tcggtgagga cgacgatgat gcgtctgagt ggaatgcac ggaagatgta tgtctctccc 300
 tcattatctg gcatcttcta atgtgctgac aatcgcagtt ggatttgaa gaaagcgatt 360
 tgaaccatgt tgctggtgag caatgcatgg atcgccctgc caataagctc ggaggccaag 420
 ttgttcttcc gggtactttc gagtggattc caaagttgat gtcttcggcc gcctggcggtg 480
 accgtcatgc cgcgctcatg gccatctcag ccatctctga aggctgccg gatttaatgg 540

taggtgagct ggaccaagtc ctccgcatcg ttgttcctgc tctgcaagat cccacccac 600
gagtcgcta tgcgggttgc aatgctttgg gtcagatgag cacggatttt gcgggcacga 660
tgcaggagaa gtaccaccag gttgtgctta gcaacatcat tccagtcctt agcagcgctg 720
aacctcgtgt tcaagcgac gctgccgcgg ctttggttaa tttctgtgaa gaggctgagc 780
gtaatatcct cgaaccctac ctgcgagatg cctatagtga gtcgtattat gcggccgcga 840
atgtcatgtt 850

<210> 21599
<211> 494
<212> DNA
<213> Aspergillus nidulans

<400> 21599

caaaactccgc aagcctcaca gacatggtta ttctgcacga acaccgtggt acccctactg 60
cgatgacgat ctcacatctt cctcatggcc cgacagccag cttctccctg cataatgttg 120
ttctacgtgc cgatattccc aacgctgccc gcgggactgt gtcagagagc taccgcact 180
tgatctttga gggtttcaag aaaaaactgg gcaagcgctg ggttcaaatt ctgaagcatc 240
ttttccctcc ccgagaagct ggaaaagtgg gaaaccgcgt ggtcaccttt gtaaataaag 300
aggatagcat tgaggttcgt caccacgttt tcgttaagac gggatataag gatgccgaac 360
tagcagaagt tggaccgcgc atgacgatga gattattcga gatcagggga gggtcgctcg 420
aaaaaggctc gagtggagat gtggagtggg cgcttacaca gtacacgagg acttctagaa 480
agaaggatta cctc 494

<210> 21600
<211> 646
<212> DNA
<213> Aspergillus nidulans

<400> 21600

cacttgattt tggcgataac ctctcgtga gcggcgacgt tgtcagcaac ctaccgatcg 60
aaggcgcttt acgaaacacc gtgaacgccg ccaagcagac aagaatgcga tcatgacaat 120
gatactgcgc gaagctggca gaaatcatcg aacaaaggcc tcgtcagtat cgctgtttt 180
tgtggtagac ccgaccaaag accgctgttt gcattacgag gagattgatc accactctcc 240

tgaatcttct cgcctgacta ttgacgctga gcttatcacc acgttccttg aaattgatat 300
tcggcaagac ctgattgact gtaacattga catctgcacc ccagacgttt tgagcttgtg 360
gtccgacagc ttcgattacc agacgccgcg aaagcaattc ctctacggtg ttctgaaaga 420
ttatgagctg aacggaaaga ccattcacac acatatcatt gaggaccatt acgttgcccg 480
ggttagaaac ctgaaggcgt atgatgctgt tagcaaggat atcatatctc ggtgggccta 540
tcctttgtgt cccgacacca acttacttcc tggccacaac tacgatgctc ggaagggtac 600
tctttaccaa gaacatgacg tgacgctggc ccgtcaggcg ttgtgg 646

<210> 21601
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 21601
actatacaaa gaccgcccaa acaaagcaga tcagcctcgc cggaagatga cggagtgaca 60
gagaatgtat acctctttgc tccaaatatt attggttaaga aacgcaatcc atgttgctgg 120
tcgctgactc ccactgacag cggaaatttc ataggttatg tgagagtgtg cctggcgatt 180
gcgtccctct actatatgcc tottcacccg cgaacatgct cgcttctcta cagcgtctcc 240
tgcttgctgg atgccctgga tggatatgca gcgcgttatt acaaccagtc cactacgttc 300
ggcgtgtgct ttgacatggt aactgatcgt tgcacaactg cttgccttct tgtctttcta 360
agttctgctt ggccacgatg ggcgctcgtc ttccagtcgt tgatctcctt agatatggcc 420
agtcattaca acacatgtac gcgactctca gtatgggcgg ggccaaccag agccataaga 480
aatcgatac ctgcgaagc 500

<210> 21602
<211> 681
<212> DNA
<213> *Aspergillus nidulans*

<400> 21602
acagccagct tactggacaa agcgtctccc cgcaaaggat ggatctgcca accaaccgca 60
cagccactct taagtctgcc ttcgtggtga cagacaagct cggccaaaac gtcaagaact 120
tcctcgtcgg cacagcgat cttacccct ccgtcaacgt ggcttacaag aacaaagtcg 180

acttccagtc ccccgacctc aagaccgcgt gcggtatgag tggaaattat gcaggccgggt 240
 atatccacta cgggatccgc gagcacgcca tgtgcgcgat ctccaacggt ctggcggcgt 300
 tcaacaaggg caccttcac cegatcaca gcacctacct cgttttccac ctgtacgctg 360
 ccgccgctgt acgcatggcc gctctacagg ggctgcacca gatccacatc gccactcacg 420
 acagcattgg cgttggagag aatggaccaa cgcacagcc catcgccgta ccggcactct 480
 accgtgcaat gccaaacatc cttttcattc ggccctgtga tgcagaggag acggttgggg 540
 cgtacatcgc agcaatccag caccacaaa ctccctccgt tctggcactg tcgcgccaga 600
 accttacgca gtaccctgct cactcctctc gagaaggcgt gcagaaggga gcctacgtct 660
 tcgtcgagga agagaacttt g 681

<210> 21603
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21603

tttcatccag tgaatatgaa ttatgatgtg cccaaggccc gcttacgccg caggaatcaa 60
 tcagcgggtg ggaccatgta aatcgctatt cttcgtggat atctttcggc agctgtcgca 120
 tctcgcaatg gggtagaggg gagcatgttg gcagctggtt tgtcagagtc aaaagcgaac 180
 aggcatttgg ccaacattga ctgtgcagat gagtaacaat cgcttcgatt aatagcccac 240
 gcagtgtcac cttttcaggc tccaagccat cgattgccgc cctacacgat gttctaagtc 300
 gggatggcaa attttcacgt atcctccgca ctggtgtcgc ctaccactct gcctatatgg 360
 cggtcattgc gccagatctg gaccacgcgc tgactcgatt accggaacgc actctgtcgg 420
 ccacagtgcc catgtactcc tcggtaacgg aagaagccgt tgggagtagt ggcctcagca 480
 ggggatactg ggtaaagaac atgcttcagc ctgtacgctt tgcaggggcg ctgcagaccc 540
 tcctttcctc tggtaacaaa tacagcgcca tcctcgagat tggccccacg aagacactac 600
 aggggtccgat tcaacagatc ctgagcagca tcggcccaaa cattccgaca cagccgcgt 660
 ataggtcgat gctggtagct ggacagcacg ccggacgcgc agctcttgag gcagctgggt 720
 tcctttgggc aactgggcac gctgtcgatc ttgaccgtgt caacgggata tcgacgcagg 780
 atattacatt agctaccctt ccacacctgc catcatatcc gtggaacat gagcatcgct 840

tctggcatga

850

<210> 21604
<211> 631
<212> DNA
<213> Aspergillus nidulans

<400> 21604

gcgtctgaaa ctatggcgca tcgcctgttc atcatcttaa gcttcctctt gtcggctgcg 60
agtgtgcgcg tacttgcgaa ttaccctgtc aatgcgcaat tacctcctgt ggcccgaata 120
tcgaagcctt ttcatttcgt cttctcacia agcaccttta gtggaagcgg tccccagacg 180
gtatactcgc tctccaacgc tccgtcatgg ctctcagtgg ataatacatc ccgtaccttg 240
tctggaactc ctcagaagga agatgccggg tcaccggagt tcgaccttat agccactgat 300
ccatctgggt ccgctagtat gcaagtaact cttgttgtga ctggcgacga cggaccgaaa 360
gtcggcaaac ccattgtacc gcaactccaa gccatagggc cgacatcttc tccatctaac 420
gtcatcgtag attctagcgc ctcccttttcg atctcttttg accaagagac tttttccaac 480
acacgcccct cgacagtata ctacggaact tcataccctg acaatgctcc tttaccctca 540
tggattcgat tcgaccagtc aaacctccgc ttttatggta cagcaccgaa cattgggccc 600
caaaactttca gtctcaactt agttgcgtcc g 631

<210> 21605
<211> 713
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 21605

aactaccaca aaacgcancg agggcgngga gatgagcgag gacaccaaag ccaccaacca 60
cccaaatttc aacggccgga acaaagagga gcacgagggg gggccataga aaaacagcca 120
caaccagag cccaagggc aacgcacgga gaaccggaac cggaacaaga cgcaaccgcg 180
cccgcgggac aaaccgaagc gcgggccagc cgccgaccgc cgacgggagg aaaacaccag 240
ccagagaacg gaacacccgg aggacngnga gacacaacag ccgaagaccc gacaaaaaag 300
aacggaacga cacacaggag gaacaacaag aggaagcagc aaggaacgan nnaccccagc 360

aacccaacc gaaaaggcac cgccccggac caggcaacgg aaccaccaac agccccggga 420
 ccgacccgaa cacgaacacc ccaaaacgag aacaaacccc aaggacgacg accaccaaag 480
 aggcacgaaa acgccccaaag gcgcaagggc ccggaacaca caaacggac caagagaaag 540
 gcaaaaaccg acgagcacac caggagacac acaagagcca aacgaacccc ccgaacaacg 600
 cccccgccc agggcaccga ccacaaccaa aacaagccaa caccgcaaga acaccaggg 660
 gaacgaacgg gcacaagccc accaacgaca cccaacacg aaaaaggcca caa 713

<210> 21606
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21606

atatcttoga tagtggcgct gcgaagacat ttggccgtcc tatccttcta ccggaagata 60
 gcgttatgga tgtaaagcat gttctcaaca ttcattgacga agcgctcacc tcgacgacca 120
 cggttgtgcc tcccagaggtt aatgagccaa ctttgtacac gggaatgctt gcgcaggcta 180
 aattccacat actcaciaaac agtgtctacc aacgtcttat atccggggccg aacccacac 240
 cagaggagac ccttagcctt cagaaaccga tggaggaatg gtataatagt ctacccgatt 300
 atatcaaaaa tccgggtccc ggttcaatgt cagacaattt cgctctagtc cgcagtcgac 360
 tattgtggcg ggattggaac ttgagaatcc tcatttaccg cccgatcctt ctaagatggg 420
 cttcgaaacg atggacgccg aatacgccca ccgagccaga agacccttac gaggtgagt 480
 gccggatgct ctgcttccgc aatgccaaac tgactatata ctccatcacc gatttcgtga 540
 acaattatcc gtgcaccagg gttggtgcat ggtatatgct gtgcggtccc ctattttacc 600
 accaattaat tctctagatg tgacctcaac taacactcgc tccctcgcta cagttacttc 660
 ctcttccaag caggtttaat cccaatcctc ctctgatga cagatccaac tagcgcagaa 720
 gcccgaagct ggattcagga gatcgaagca actaaagccc tactcatgta cccttcattg 780
 agcaacaaca accttgccgg tcgttgtctc gacgtaatat atcgactttg cgcccctgta 840
 tatccgtcaa 850

<210> 21607
 <211> 850
 <212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 21607

tgctagccct acccccgaga acatggcata tgcaatattt acttctggga gtacgggccg 60
tcccaaaggc atcattatag agcaccgtgc agtatgcagc agtgtcattg gctttgcccc 120
agttgtgggg ctaaacaagg aatccagggt tttccaattc gcttccctca catttgacgc 180
cgccatattg gaggttcttg gtactctaata gctgggaggc tgcattctgtg tgcctagtga 240
tgacgaacgt ttgaatgaca taccagggtgc tatgcaacgg atggaatgtc tcatggagtt 300
tcttgacgcc atctgttgct tgtatccttg agccctcgac tgtaccttct ctgcagattc 360
tcacgtgcgg aggcgaagca ctctctagcg aagtggtaaa gaaatggaca ggtcacgtaa 420
agttttacgg agggatatgt cctacagaga ccgttgtgtt tgcggttgtg gccgcgatt 480
ttgtggacca tgacttcaca tgcattgggt atgaagacct gagtaccttg acctgggtcg 540
tccagcccga tgaccatgac aggcttgctc cgttgggagc cgttggggag cttgtactgg 600
agggcccagc tcttgcaagg gaatatttga agaaccctc gaagacaacg gatgttttca 660
ttaacgaatc cgcttggtt aagagctttc cgagttccat accttctccc atcagaatat 720
accttttccc tcctcttggt attggtacct ctaacgcctc gatagagtac ctaggggcca 780
aagatcacca ggttaagctg catagacnac gcatgtagct aagcgagcac gaacaggagc 840
tacatgcaca 850

<210> 21608

<211> 781

<212> DNA

<213> Aspergillus nidulans

<400> 21608

atcatcatgc aagctgctca actatcctgg ggtagtaat gaggtctttc agtttatgat 60
ccactgatgc ttacgtctcg tagagctaga gaatgctgtt acctgattg atccccaacg 120
agactccctc tacagatagc acgaggaaac ccacaaatac cttagtata cccgtccatg 180
gaccaaagac cctcactatt ttaaatacgt tcggatctcc gccgtcgctc tctgaaaat 240
ggatcatgcac gccgctccg gcggttcgct cgaagtcacg ggtctgatgc aaggctatat 300
cctccccaac acattcgctg taacagacgc cttccgcctc cccgtggagg gcacagagac 360

tcgagttaac gcgcaagacg aagcaaacga gtatatggtc tcatatctcc agtcgtgtcg 420
ggaagcaggg aggatggaaa acgcagtggg gtggtaccac agtcaccctg gctacgggtg 480
ctggctttcg ggcattgacg tttctacgca ggatatgcag caaatgagcg ggccatttgt 540
tgctgttgtc attgatcccg aacgtacgat ctctgcggga aaggtagaca tcggtgcgtt 600
caggacgttc cctaaggact ataccccccc caaggaggag caagaagaag acgaatacca 660
gaccgtaccg cttaacaaag ccgaggactt tggagcacac gcttccatt actactcact 720
tgagggtgtca ctttttaaaa gcgcccttga tactgagatt ctctccgac ctctaggac 780
a 781

<210> 21609
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21609

gccagtttct ttgcggtata ccgtgggggtg tatttgctac tatggcacct gcctatgcct 60
cagaggtctg ccccttgcg ctccgaggtt atcttactgt ctatgtcaac ctgtgttggg 120
catttggtcca gctcatctct gcgggctgac aatcgggctt ttctgagaaa actggtcaat 180
ggcctaccg catcccggtc gctatacagt gggcctggcc ctgctactc ttcccgatcc 240
tctggtttgc ccccgagtcg ccttgggtact atgtccgct cggttaaccac gatctggctg 300
aagcctctat taatcggtc ggatcagcct cacaagggtc gcacagcaag gaaaccctcg 360
caatgatgat ccatacagac gagattgagc gatcaattga tgaaggaacc tcatatctcg 420
actgctttcg tggcgtggac ctccgccgga ccgagattgc atgtatggca ttgcgggcac 480
agcccttctg cgggagtgc atggggcgga cgccaacata tttcttcgct caggctggcc 540
ttccggagtc tatatccttt cgcattgctg ttggtggctt aggtatcgt tcagtgggca 600
cgatctttgc atggttcttg atgcgcgggt gtggacggcg cagtttgtat ctatgggggc 660
tgggcttact tacgctggtt ctctcgtg ttggcttttg cagtgttggg agcaattcga 720
acgcgagcaa ttatgccag gccgggctga tgctctgctg gctaggcgtg tattactcga 780
ctgttgggccc catatgctat gctgttatta cagaggtttc gaccacgccg ctgaagaaca 840
agagtgtatg 850

<210> 21610
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21610

```
acctgcaccg ttcccaacat tggctcgcgt tcgctgcaag gagatgctcg ttctcgtgtc   60
gagggttttga ggcctatggg gtgtactgtg gagcagactg aaacttctac tactgttact  120
ggaccgtcgg acggcatctt acggccactt ccaaacgtgg atatggaacc aatgaccgat  180
gcgttcctcg gtgcttccgt actggcagcc atcgcccgtg gaaaagagtc aaaccacacc  240
acccgtatct acggtattgc caaccagcgt gtcaaagaat gcaaccgcat taaggccatg  300
aaggatgagc ttgccaagtt tgggtgttatc tgccgcgagc acgacgacgg tctcgagatt  360
gacggtattg accgctcaaa cctgcgccag cccgttggcg gtgttttctg ctatgatgat  420
caccgagttg cattcagctt tagtgtactc tctctcgtga caccacagcc gacacttatt  480
ctcgaaaagg aatgtgttgg gaagacatgg cccggctggg gggataccct ccgtcagcta  540
ttcaaggtga agcttgaggg caaggaatta gaagaagagc ctgtggctgc cagcgggccc  600
gatcgggcta acgcttcaat ttacattatt ggcacgcgtg gtgctggaaa gtcgacagct  660
ggcaactggg tttctaaggc tctcaaccgg ccattcgttg atttggatac agagcttgag  720
actgttgagg gcatgactat tccggacatc atcaagaccc gcggttggca aggctttaga  780
aatgcggacg tggaaatcct gaaacgtacc ttgaaggaac gctcgagagg atacgttttt  840
gcttgtggtg                                     850
```

<210> 21611
 <211> 337
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21611

```
acaccaccat ccctcgatct tcgtcctcgg gccataagaa ggatcggcaa aaactgcaac   60
tgacgccgcc gcagaattat tgtcaggagc aatcgccggc cttgtttccc aaacatcttc  120
atatcctttg gaagtgtgtc gccggcgaat gcaagtcggc ggagtcgttg gtgatggccg  180
ccgtttgggc atggcggaag cagcgccaat aataatgatg gaaagaggat ttgcgggggt  240
```

ctttataggc ttgacgattg gttatcttaa gatgataccc atgacggcta ctgggtttttt 300
tgtttatgaa cggctcaaatt ggtcactagg gatttag 337

<210> 21612
<211> 486
<212> DNA
<213> *Aspergillus nidulans*

<400> 21612

ccgataatac gacttatagg gatcgggatc agcatttctc atcaaaacga ggagctggac 60
agtcaaattg aagagaaact gaccaaagca tacaaggatg caaacatcca agacttcac 120
caatccctac cagaaggcca gcagaccgat cctggcaccg gtggactagc cttatcgggc 180
ggccaacgac agcgcacgca aattgacgca gcactcatcc gagaccccgga actcctcctg 240
ttcgacgagg ctacgagcgc gctagacact gaaaacgaga ggcttgtcca agaggctatt 300
gaacgtgttt ctcatggtcc cggaagaacc acaatttctg tggcacatcg gtcacaacc 360
gtaagacggg gtgatcgcat actagttctg catgagggac gagtcgagga agaagggact 420
cacgcggaac tgatggcgag agggggacgg tattatcaaa tggtccttgc tcagggcctt 480
gacaga 486

<210> 21613
<211> 586
<212> DNA
<213> *Aspergillus nidulans*

<400> 21613

gggcctgccc ggggcacagg ctttccctca tcccctggca aacgtacaat cgcaaagtac 60
gaaaccgtct gttgccaact tcgcatcgta tgctattgtt gaaattatga tgtgggaggg 120
actcgagat ctgattaatc gatttcgaaa gcgcgaactc gggttggacc cattggatgc 180
tattcgcgca ccgagcctcg cccaccggtt gcagggtgcca tacacgtatt tatggtattc 240
ctggcaaagc agatacacia gaataagtgc gaaagctaac atgattccag gtctcccgcc 300
ctgctagaaa aaccctcga ctggggcgac aacattgacg tggtcggcct ctcaaccctc 360
cccacagcgc aagactacaa accaccccag gacctgcaaa gtttctctgga cgccgggtccc 420
gcaccagtat atatcggtt cgggtcaatc gtcgtagacg actccaaagc actaacggat 480

atcgtcttcg aggccgtgga gaaagccgga gtacgcgccg tgatctccaa gggctggggg 540
aacatcggag ccaatcacgc ggcgtctgac tcgatcatga tgattg 586

<210> 21614
<211> 664
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 21614

actgcgacta cccaaccca caccaacata caacaccacc gagacaacat aaagacaacc 60
acacccccca caacacaaac aggggaaagc tagaaccag ccancgcgt cnaccaagag 120
ccagggggag aggacgaccg agcccccccc cgagggggag acatgttctc gaagacagac 180
gaagccccac agcaggggaa agccagcgac aagcgggccg gccccaccag nacaaccac 240
aaccanagc aagacacca cacaaccgcg cagccagcaa gaaccacagg cccccaacg 300
ccaccagcc aagccccaga caaggaagcn ncaccacga ccacagaacc cacaccgcg 360
gaccagaag caccagacc cccccgcaca agccaccca gaacccccgc cggaaagcca 420
gcggaacac ganaagccg gacacccac aaagacacna caccagcca aagagaccag 480
aaaccgcaga gacaccccc aggcaaacg aaacaaacc aagaaaccac acgccccgcg 540
ccaaccggac acccaacggc aagccaaaca ccgggcaaga caaccacaan gcccgaaagc 600
caacaaccag aaccacaann agaagggccc gcaaaccaca gccccggcg acccgagcg 660
caaa 664

<210> 21615
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21615

cttccggagg tggcagctcc cgagaccaag gtgcccttca accagaagtt gatgtggact 60
ggggtaagtt ctctggtggc cgccgtgcga gattcagcca gctcatcgat acttcagttg 120
actcttttga tcttcttgg catgagccaa atgcctttgt atggtattgt gtcctctgac 180
acatcggatc ccctctactg gcttcgtatg atgctggcca gtaaccgggg aaccttgatg 240

gaattgggta tcacccctat catctcctcc ggcatgggtt tccaggtaag tcttgcaggc 300
cgtacaatcg atttccaaag aattgtgatt tactgactca attgcgcctg aatagctcct 360
tgctgggtacc cacctcattg acgtcaacct tgaccttaag accgaccgtg agctttacca 420
gaccgctcag aagctcttcg ctatcattct ctcgttcggc caggcttgtg tctacgtttt 480
aactgggtctc tacggccagc ccagcgacct aggtgctggg atctgtgttc tgttgatcgt 540
tcaattgggtt gttgctggtc tcgtcgtcat tttgctcgac gagctgctcc agaagggtta 600
cggccttggg agcggatatc ctcttttcat tgcgactaac atttgcgagt ccattgtgtg 660
gaaagctttc ttcccaacca ccatcaacac tggtcggggc cctgaattcg aaggtgccat 720
catcgccctc ttacaccttc tttttacctg gtccgacaag caatgtgctt tgcgcgaggc 780
ctcttaccgc agaacctccc aatgtcatga acctgctgct accctcggcg tcttcgccgc 840
cgttttctat 850

<210> 21616
<211> 435
<212> DNA
<213> Aspergillus nidulans

<400> 21616

acaagaacgc acaacaccaa cacagaagaa atctacacag gaaagaagaa gaaggctcta 60
gaaagaaaag acgacagacc ataagcagag aggaaaagaa acgcatgcgg taccaagcag 120
agcacagggc ggtcgaagat gccggacaag gacagtcatt aataaagacc acgcaaggag 180
cgaacagcaa agcagaaacc ggagggagaa catccacgca cagacaagga acaagaagtg 240
gcagagataa cagaaacaag acggaaaggc agaaagcgac aagaagaaca caacagaaca 300
acaaggaaca aaaaataaga ccaagaatta aaacctcgac aaaaacaaac gacaaagcca 360
cgaacgcaac ggacgaagaa cgagaaggga cgaaaacaca taaacaaaag gaaaaaagat 420
gccaaccacg gagga 435

<210> 21617
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21617

tatcaagggc gttgatgttt cagacgggaa ggtgacgctc ttctccgagc ttatcatgca 60
gaaactaggc atatactgtg gcgcattatc ggggtgcgaac attgcgcctg aggttgcggc 120
cgaaagacta tgcgagacga caattggata cgaccccccg cctatggatc ttacctctag 180
tgacggctcg cctgaggata acctgcccc a t gtagatggc cagcgccaga aggacctgag 240
ctcgacggat ataaagttag agcgtgtgcc gcaggattat ccgcatgtga atgatgaact 300
cctcgagaag atgttcgagc ggccgtactt cctcgtagat gttatcaagg atgttgacgg 360
ggttgcgttg ggtggagcgt taaagaacat tgttgccctg gcagctggat ttgtcgccgg 420
aaagcagtgg ggtgaaaata cgaaggcggc gattatccgg caggggtgtag gagagatgat 480
ccggttttga cggacgtggg ttcccttcctc ggtcaatgag aagacattta cagaggagag 540
cgcgggcatt gcggacctgg tagctagctg ctatggcggc cggaacgtaa ggtccgcaac 600
gcacgctgtg gagaaagggg tgagcgttgc tgagattgag aagacagaga tgaatggaca 660
aaagttgcag ggggttttga ctgctcagac cgtgtccggg ttccctggaga agcacggcaa 720
gacagacgaa ttccccttgt tctgtgctgt gtacagtaag ttggccgtct tctgctcacc 780
tgaaccttgg tggaggctga ctgggtccag atatcatcga aggaaaagca caggtggatg 840
atcttccggc 850

<210> 21618
<211> 850
<212> DNA
<213> Aspergillus nidulans
<400> 21618

aggagaccga gtactacatc aacattcact ccgtgcgtga ggtaaggaac attcttccgc 60
actttctgaa actacgttca tagtctaact tttcttaggg tgactggatc ctcttcaccc 120
acgaggggtg tgtcgatgtt ggtgacgttg atgctaaagc agagaagctt ttgatccccg 180
tcaaccttaa gaactacccc tccaacgagg aaatcgcttc cgcacttctc agcaaagttc 240
ccaagggcat tcacaacgtc ttggttgact ttatttctcg tctctacgct gtctacgttg 300
actgccagtt cacctacctt gagatcaacc ctctcgttgt catccccaac gccgatgcta 360
cttctgccga cgtccacttc cttgacttgg ctgccaaagct tgaccagact gctgagttcg 420
agtgcgggtac caagtgggct gttgctcgta gcccggttaa ccttggcctg gccgctcttc 480

ccacatccga caaggtcaac attgatgccg gtccctcccat ggagttcccc gctcctttcg 540
gacgtgaatt gagcaaggag gagaagttca tctcagacat ggatgccaaag actggtgcct 600
ctcttaagct cactgtcctg aaccccaacg gccgtgtctg gactctcgtc gctggtggtg 660
gtgcctccgt cgtctacgcg gacgccattg cttccgctgg tttcgttagc gagctcgcca 720
actacggtga atactccggt gctcccactg agactcagac tttcaactac gcccgcacca 780
ttctcgacct gatgctgcgc tctcccatcc accccgacgg caaggtcctg ttttcgcgag 840
tatatgccgc 850

<210> 21619
<211> 739
<212> DNA
<213> Aspergillus nidulans
<400> 21619

atgggaggat cactatcgcg gctttggtcc ctattttggc ctaagaagga aattcggatt 60
ctcattcttg gacttgtgcg tcaatgattt ctgttgcaat cgccatttct ggggtcaagg 120
agctgagacc tcttcttcgc aggacaatgc tggaaagacc actcttctct acagattaaa 180
ggtatgtttc cgcagtctct gtgtatagta tacatgactt caacttcgcc gctaacactc 240
gaatacatag atcggcgaag tcgtgactac gataccgacc atcggattca acgtggaatc 300
ggtgacgtac cgaaatctca acttcaacgt ctgggtacgt acttcaagcc actgttcggg 360
ttaatgagct ccgctcatat tatttgttca ggatcttgga ggtcagacat ctatccgtcc 420
atactggcga tgttactatg ccaataccgc tgcggttggt tttgtgatcg attctacaga 480
cgtcgaaaga cttggtacgg ccgcagacga gctcgccgcc atgttgaatg aagaggaact 540
ccgcgaggca gctctcctag tatttgccaa caaacaagat caacctggtg cgaaggcgcg 600
aggagaaatt tcggaagcac taaagcttgg tgagctgcgg gataggaact ggagcattgt 660
ggcttgctca gccattgacg gtaaaggtct gaacgagggc atggattggc tggtggtgtaag 720
ttcatctctt tcttcgacg 739

<210> 21620
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21620

ctcaattgct gaaggctgct agcgcctccgc tcatcattgt cggtaagggt gccgcatatg 60
cgcgcgcaga gctcggaatt cggaattag tcgaccagac acagggttccg ttcttgcccta 120
caccatggg taagggtgta gtccggact cacacccct gaacgcatcc agcgcgcgaa 180
gtgccgcatt gaaacatgcg gatgtcgttc tcgttctggg agcgcggtt aactggatcc 240
tgcattttgg tgagccgccg aaatggtctc ctaaagtga gataatccag gtcgacatct 300
gcgcgaggga gatcgggcgg aacgctggga catcagagct tgggatccta ggagatataa 360
gtctagtgtt ggatcaattc agggcatctc tttctagctg gaaatactcg tcctcagcga 420
agttcccatt gcttctcgcc gaatcagcca agaagaatga agacaaggct caaaaggctg 480
cccttagaca aacgcccgcc ggcaagccac ttacctatca acgagcctac cacatcatca 540
aaacagcact taatgccttg acaccgctcg aggatggaaa tattgtttac gtctctgaag 600
gtgccaaacac gatggacatc tcccgtcca tcttccgct ctaccacccc cgccagcgtc 660
tcgatgcagg cacgtacgcc acaatgggag tgggaatggg ttatattgtc gccgcgcacg 720
aagcattcaa tgctaacccc ggagcaagca catcccgccc caagaaaatt gtcgccttcg 780
aaggcgacag tgcgttcggc ttcagcgcg tggaaatcga aacgctcgcc cggtagcgta 840
tccagcactg 850

<210> 21621

<211> 787

<212> DNA

<213> *Aspergillus nidulans*

<400> 21621

tttttaaaag atttaagggg aaatcaatcc gggaacacgc ggggtaagtc tcttcaaacc 60
tccaaagcac agcggagtct cattgcctct gtaggatggt gaagtatggt tttttcatca 120
aaaaaggtaa tatactatg ataggtatga tttcaattaa atgtcaatta tttcaaataa 180
aaaatttttag gaattgtatg taagttagg aaagaaatga atagaatggt agccttagaa 240
taagagacaa aaacatttaa aagtttcatt ttacctatat tgaaaaatat cccatgtttt 300
ctaataagca ttatgactat ttaagattta gaaatgcatt acttacagggt attatttctt 360
taaagattta cctgattata ctagaagtga tgaacctctt aattctatag agtctattat 420

taatacatct tatttttctg cttgattagt aggatttata gaagctgaag gttgttttag 480
 cgtttataaa ttaaataaag atgatgatta tttaatagct agttttgata ttgctcaaag 540
 agatggggat attttaatat cagccatacg taaatattta tcttttacta ctaaagttta 600
 tttagataaa actaactgtt caaagttaaa agttacaagt gtaagatcag tagaaaatat 660
 tattaaattt ttacaaaatg cacctgtaaa attactaggt aataaaaaat tacaatattt 720
 attatgatta aaacagttac gtaaaatata tagatattca gaaaaaataa aaataccttc 780
 aaattat 787

<210> 21622
 <211> 644
 <212> DNA
 <213> Aspergillus nidulans

<400> 21622
 cgcatacctt gcttgtggga atttcctcgc aacgattcgc ctgctgaaat agtcctcgc 60
 gtgataatgc tcctctcact tttogetcgc ttgggttggg cttcattcaa ggatcatcagc 120
 ctagcgaaac ggatgatcgc actgcacaag aacccgcct atataccttta ctccgaccgc 180
 acttgcttga acaagtgggg cttoctctat gtgcaatata gagcaaccgc ttactacttt 240
 gttattcccg tgctgggcta tctcctcgtc aagggcatgt tcatcggcct cagtcagccg 300
 gtcctgtgg tgcaaaccgt cgcctatgtg atcattgaag cggctatgtt gattgcagtt 360
 agcgttctgc ggccgtggat ggacaagaag actaatatct acaatatttc cattgcggcg 420
 gtccaatttt tgaacgcat cttocttctc ttcttttcca atgtcttcaa tcaaccagga 480
 ctggtgaccg gagttatggg tgcgtcttcc ttgtttatta atgcagttgc tgcgttggtt 540
 ctgttgattt tgggtgctcat tggatctatc tatgcttttg cttccaagaa ccccgacacc 600
 cgctatcagc ccatgagga tgaccgtggc tccttcatca aatc 644

<210> 21623
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21623
 gataggtggc agcaccgaga cgcagatcga gatcaaattc aagcagatgc gttatggagc 60

atctgtctac cttggagacc tcgctgaact cgggcaattt gcctttcatg acaactactt 120
 ggaaattggt gccaacattt cattaactga tcttgaatct gtctgtgac aggccatcga 180
 gcgctacggc tcagctcgcg gccagccctt tgccgctata aagaaacagc ttcgctactt 240
 tgctgggaga cagatcagaa atgtggcttc gccagctggg aacctggcca ctgcatcccc 300
 gatatccgat ctcaaccag tttttgtcgc taaaacacg actcttgtcg ccaggctcgtt 360
 agataaggaa ccgagattcc aatgacacag ttcttcagag gttaccgatc tacggcccg 420
 tccgcagacg ctatcatttc aagtctacgt atacgtacgc atctgagaaa ggcgagtatt 480
 tgcgggctta taaacaatct aagaggaagg atgatgacat tgcaatagtg aatgccgctt 540
 tgcggtctc actctcgcca tcgaacgatg tcaactagcg gagcctagat tgtggcagga 600
 aggcgcctca gacggaatct ggcgagaacg cggaggctct cctcaccggg aagaacttac 660
 tgatcacgta actctaagag gtactactgg tgctttggga gcaggattca accctgaagt 720
 tgggtggtcc aggcgagatg gggacttacc aaatgtcact ggatcttga tttttttacc 780
 agacctacta tgagcgctat gtccgaaatc gaggcctgga gaagtgaact gaataacagt 840
 gtggccactg 850

<210> 21624
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21624

ggctaacttt aaagcagcgc accgcctcga aattccgtga agcgagactc ggaaatcgtg 60
 tttctcagat cctcctctc cgtcttcttc attctctcga tgacgagaac gtgccggtgg 120
 aaagcaacat ctttggctct tcggtgtcc gtgaactcgt ggaagaatta agctgcaaag 180
 cgaacttcct cgttgccgc aagttggttg cagctctgcc tgacaaagct ttccttcgcc 240
 gccagcaatc accaaacccc cgtcgccctc actcatttgt cgatcgcatg aacagactcg 300
 ggtttgggtt tgacgaatct agcagcggaa gcttgagag tagtctctgc aaggtaagg 360
 acgatgattt gcgcaagggt agccatctta ctcaagaccg tcccttggtt attcggttgt 420
 atctaattga cgacagggaa tggaaacaat ctctgtgaaa tccatgcagc gtgcgaagta 480
 ctatgtggca ggcactgtac aggatgaaat gcgcctcac tatactctca acttgccctgt 540

gtatactcac ttcactaacc ctctccgccg ctatgctgat gttattgtcc accgccaact 600
ggaagccggt ctgtctgatg gtgctatcga gttctcagac gacgtcgaat ccctcagcaa 660
gaccgctgat atttgcaaca ataagaagga ttcagcgcac aacgcccagg agcagagcgt 720
tcatatcgaa gcctgtcgca atatggacaa actacgcaa gagattggtg gtgacctcat 780
tagcgagggt attgtgcttt gcgtctacga gtcgcggttc gatgttctca ttccagaata 840
cggcttcgag 850

<210> 21625
<211> 431
<212> DNA
<213> Aspergillus nidulans

<400> 21625

aagcattagc agtctcttgt tctattggaa ttggaccatc ggctggaata gaagattttg 60
gaacacctaa caatcatcgc agaaccaaag cctggggcac aacccttgac ccaacaggca 120
agagcggcgt aagagatttg ccattattgc tgttcgtttg cttttactga catttctcaa 180
gatccgcttc ttgggtgatc ccaccgggaa gttctccgag gcattggatg ttacattcga 240
cagcacgacg atcttcggca accagcgtag caagcgtat gcgctcctcg tcgaggatgg 300
caagatcaag gaggcctttg ttgagccgga caacacgggt gttaagggta tcatttctag 360
ccctgctgcc atacctccag catgctaaca agtgaacagt ttccactgcc gagaatgtgc 420
ttggatagat a 431

<210> 21626
<211> 513
<212> DNA
<213> Aspergillus nidulans

<400> 21626

ctacatctcg tggactttga agtgtcaatg agcaggcgag attgatcagt acggccttcc 60
aagagatcac cccacgctcg cgctcggttca cctacacatc ctccggtggt ctgctgcacg 120
agacgatctt cacacaaccg gcgctggtgg ttatggacgt ggcgcggttc cacgacatgc 180
gcgctcgcgg tctaataaac gaggacagct gctatgccgg aactcgcgtt ggcgagtatg 240
ccgcgctcgc tgctatgggc gaggtcttca cagtagaggg agtcactgcc gcagtcttct 300

accgtggact gaccatgcag aaatccatcg aactggaccg atctggccgg gactattcca 360
 tggtagctgc gaacccgagc cgagtatcca agagtacgtc cctcgttcct ccccttacct 420
 cttcactatt ccgtgcatgg actgacagat atagacctct ccgaatccga tctctgcgct 480
 attgtggact cgattgaagc tgcaacaggg ggt 513

<210> 21627
 <211> 510
 <212> DNA
 <213> Aspergillus nidulans

<400> 21627

atggcatctc aagcagcatg taagcagcgc cgtggaagag ccggtcgagt tagagctggc 60
 acttgctaca aactctacac gcgcaaagca gaatcaagca tgccacagcg accggacccc 120
 gaaatccgcc gcgtcccttt agaacagctg tgtctttccg tccgctcgat gaagggaatc 180
 gacgatgtcg ccactttcct tgccaacacg attacgcccc cggaaccat tgccgtcgaa 240
 ggagccctca acttcctcca ccgtgtcgga gccctcgatc acgacagact aacagcccta 300
 ggccgatacc tgtctataat cccggccgac ctgcgctgcg gcaaactaat ggtctacggc 360
 tctatcttca actgcatcga cgccgccatc acaatcgctg ccattctaac tgtgaaatct 420
 cccttcgtgt caccgccga gcgtcgcgaa gaagcaaacy ccgccagagc tgctttctct 480
 aagggcgatg gcgaccttct cactgacctt 510

<210> 21628
 <211> 454
 <212> DNA
 <213> Aspergillus nidulans

<400> 21628

atcgtgacca ttgttatggc tggcatccta ggcattctac gcctggtggt ctcggtgctg 60
 attgccaaca acctcgcgca gacggtcgct ctgtacacga gtctgcttca gctgggcgcc 120
 ggccctggcgg ttgggctttg cgggctggct gctgggtaag gaaagccagc tgagccgtcc 180
 ttttccagtt agctgttggc tgttggtga ttaatgtcag gtttgcaatt gggatcgctg 240
 gcgatgcagg cgtgaggggg accgcgcagc agccaagact ttacgtgggc atgaccttg 300
 ttctgatctt tgctgaggtc ttgggtatgt aactctggtc tctttttctc tgaggaacgg 360

attaatagct aatgcacctg gcatggtagg cttgtatgga ctaattgtcg cgcttctaata 420
gaacgccagg gcgggcgtta tcgacttcaa atgc 454

<210> 21629
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21629

tagtggatat caaagtggcc aaagtggat tgctgtggcg taaagacca aagaagaaga 60
gggcacgttc cccttggcag gaatgggtg cccttcttac cttgtcgac ctttatttct 120
tcaaagatgt aaattgggta aagtcctca tggctcagtg cgatgcccat cagaaagaag 180
gtcgccggcg ggccgtggtg ttcaaacctc cacttaatga ttttaatccg gtttcgatga 240
tgtcgacaga caatgctgtg gctctgttag attccagcta caagaaacac aagcatgcgt 300
tcctctttgt acgccccaac tcactcgaag aggttttctt agccaacagt gaggcggata 360
tgaacgactg gctagcaaaa ctcaattatg ctgcagcatt tcgcacaaca ggggttggga 420
caaagggtat ggttgtcacc aaatacgatg ctcagaggaa ccgaatgagt cgtcggctct 480
cgtttcagtc tgaaatgtcc cggttttctt cggataaaga acccgcatca ccaagttctg 540
gcatgggtgc agccgaagag ttgatggcag cccgaaccag gcttatacag caaaagggtca 600
gggaggcgaa cgaaacactt tttatctccc agaaacaact ggacgatata ttgaggaatg 660
cgagacatct tcaagtcttg acccctgtcc acacacgcgc aagggaacag ctgatcatgg 720
ctgcaggccg catgtcggcg aacgtcaagt gggtaaggca ggacatttgg cgcacaaaaa 780
gtcaccggga ggtgcctagt gcgcgacttg ggagaagaga atgaccaggc cgtcactgcg 840
cctgaaccac 850

<210> 21630
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21630

tttogaagca catatccgtg gtacagagca ggaaacaccc gcccgcgagg gcgcagcagc 60
actccgcctc cttgtctctg gctctgccgc cctcccgacc cccatcaaga ccaaattcgc 120

caccatcacg aaccaaacc tcttgagcg ctacggcatg acagaaattg gcatgggtct 180
 cagctgcggg ctcgatgtag cgcagcgcat tgacggcagt gtcggctggc cccttcccgg 240
 cgtccaggtc cgcctcacag acaaggaaac aggagccgta attgaggccg cagacgtcga 300
 tggcatgata gaagtgaag gcgacaacgt cttctccgag tactggcgac ggcccagggc 360
 tacggccaag gagttcactg cggacgggtg gttcaagacc ggcgacgttg cgcgacggga 420
 tgaacgaggc gcatactaca tccagggccg cgcctcagtt gatatcatca agtccgggtg 480
 gtacaagata tctgcgctgg aggtagagcg taagctgctg agcgctggat gagatcgcg 540
 aagtagctat tgttgggatt gccgatgagg aatgggggtca gcgtggttgc gcagttgtaa 600
 agcagaggcc tgggtgaagt taatcaccct ttccctgatt tcacagaagc cgctcctaga 660
 aaaaaggaag aaaggaaagc aagatactga tgggataaac tagacggaac cactagaatt 720
 gcaaaccctg cgcacacgcc tgaagcagga gatggcgccg tataaaatcc ccaccgtgct 780
 gaagatcgtc gacggtattg agcggaatgc catggggaaa gtcaataaga aagacgtcgt 840
 acgaaaatat 850

<210> 21631
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21631

atacagccgg tctcatcttt ggcgcaactt tggcattatc ataggcttct ttgtcttctt 60
 cgtcgccaca gcatgatcg ggatggaact gcagaagcca aacaagggcg ggagctcgg 120
 aacaattttc aagagggcg aggcaccgaa ggagattgaa aaagcggttg aacagaagga 180
 gaagccgaat gatattgagt ccgggtctcg taatgacacc acagataccg tgggctcaga 240
 tgacggccaa gcggttgaag gcattgcgag aagtgaatca gtctttacct tccagaatgt 300
 gaactatacc attcctgtta gtggcggaag gaggcagctt ctgaaagacg tccaaggata 360
 tgttcgtccc ggtcgtctta ctgcgcttgt tggagcttct ggtgcagggt aagtgtactc 420
 gagcctatag caaagagttc aagctaagca tctaggaaa acaactcttc tcaatgcact 480
 cgcccagcga ttagactttg gcgttgacac aggggacttc ctggttgacg gaaagtgaga 540
 aaccctaac tatttgtgtc actcttgtag tcacaatccc agacccttc ctgcagctt 600

ccagagagcg actgggttcg ccgaacaaca agatatccat gagccaaccg ctactgtccg 660
agaatctctg aggttttctg ctctcctgcy ccagcctcaa gaagtcccca tcgaagagaa 720
gtacgattac tgcgagaaaa ttatcgacct gctagaaatg cggcagatcg ctggggccac 780
agtcggtgct ggccgggactg gactgaacca agagcagcga aagagactta ccacgcagct 840
tgagctggcg 850

<210> 21632
<211> 556
<212> DNA
<213> Aspergillus nidulans
<400> 21632

tatggagctc agtcttccgc gcagaacctc caattttacc catctagcta ttcctccgta 60
tcagggcaca cgactccttc tcaagcatca tatggcggat ttggtgcacc accaaatata 120
acggcacaag ggtaccccggt tggaggggct ggatacggcg gtttcgggct ccctagtgggt 180
gggtgtgagcg ggaggatggg cgaacagggc ggcttgcgga ccgggtggct tgctgcattt 240
ggaactgagg gctatgacgg cgaaccgccg ctgttgagg agctcggggt gaattttgag 300
catatccgga ccaaagtctg tactcacctt tcaacatctt cggacaatag gctaacctaa 360
tgcatagacg ttaacgggtcc tcaatccctt cgcgcgcata gaccagcacc tcatggacga 420
tagtgacctc tacggcgcac tcctctacat cgttttatac ggcaccttcc tacttttata 480
gggcaaggta ttctacggct atatctacgg cgtcgccgct ttcgggtactg tcgcgtctcc 540
atctaattat cagccg 556

<210> 21633
<211> 850
<212> DNA
<213> Aspergillus nidulans
<400> 21633

gctgaaagag gcagagaaga tgtatcagcg agcattggca ggcaaggaga aggactggg 60
tcctgaccac acatccacc ttgatacagt caacaatctt gggattctct actctgatca 120
gggcaagctg aaagaggcag aggaaatgta tcagcgagca ctggcaggct atgagaaggc 180
actgggtcct gaccacacgt ccacccttgt gacagtcaac aatcttggga atctctactc 240

tgatcagggc aagctgaaag aggcagagaa gatgtatcag caagcactaa aaggctatga 300
 gaaagcactg ggtcctgacc acacatccac ccttgataca gtcaacaatc ttgggagtct 360
 ctacaagaat cagggaaagc tgaaagaggc aaggtaattg tatcagcaag cactggcagg 420
 caaggagaag gcaactgggtc ctgaaccaca acatccacct tgatacagtc aacaatcttg 480
 ggattctata caagaaccag ggcaagctga aagaggcaga ggaaatgtat cagcgagcac 540
 tggcaggcaa ggagaaggca ctgggtcctg accacacgtc cacccttatg acagtcaaca 600
 atcttgggag tctctactct gatcagggca agctgaaaga ggcagagaag atgtatcagc 660
 aagcactggc aggctatgag aaagcactgg gtcttgacca cacgtccacc cttataacag 720
 tcaacaatct tgggaatctc tactctgatc agggcaagct gaaagaggca gagaagatgt 780
 atcagcaagc actggcaggc tatgagaaag cactgggtcc tgaccacacg tccacccttg 840
 tgacagtcaa 850

<210> 21634
 <211> 576
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 21634

ccaacccaac gccaaaaaaa aaaaaagaaa ccaagcaaca accaaagaaa caaccacaaa 60
 aagaaaaaag aaaaacgaaa acacacaaaac aaaagggaga cgacacgaaa taaagaaaaa 120
 caagggaggg gaaaaaagag acaaaaaaaaa cgcacaggca aaggtcgaaa aaaagcaccc 180
 cagccgacac ccgggggagc aggaaacccc caaagggggg agcaagagca ccaaccaaga 240
 gcagaacgag aaggaacacg gccgaaacag ccccaaagac caggcaagac ggacgacgaa 300
 nncaaaaaca cgcacgagaa gcaaaagccc cggcgacaga acaagggcac aacacacgaa 360
 cgacccggga aggaagaacc caaccgaaaa ggcaacaaca aggaccagga ccgacaacgc 420
 ggcagcagcg gagcaaacag gaaggaacac cggaaaccga aaccacaacc gaaagaagaa 480
 cagaaccgaa aggacgaacc ggaaaagcgg cccacaaaag aaaacgggga accgaccccg 540
 aaaagagaac accnacccca gaagcaagcg aaaaca 576

<210> 21635
 <211> 850

<212> DNA
 <213> Aspergillus nidulans
 <400> 21635

```

catgcatgcg gcactatctt gagggaggca ttgaagttcg acgtaatcgc cgctatcatt 60
ctttatgatc agtcaaaaga gggggagcca gctatcagac tgaccgaggt ccagcccaac 120
gttcctcagc gcggaacagg tgttttctgg aggttcttcc attggattga ccgaggtacc 180
tttgagctca gcgcagatgc attcacaact tttagggcaa gtgcacaaag aaatcatttc 240
taagaaacta tcctaacacg aaactgtttc ctcaggaaat cttgacgcgc cacaaatccc 300
ttgttacagg atatctagcg acaaacttcg attacttttt cgcgcagttt aacactttcc 360
tcgttcagtc tgagtcatat gtcactaagc gacagagcat caaactctta ggcgagattt 420
tactcgatcg cgcaaactac agtgtgatga tgcgatacgt cgagagcgga gaaaacctca 480
agctttgcat gaagctcctg cgtgatgatc gcaagatggc tcaatatgag ggatttcatt 540
ttttcaaggt atgtgaagga cgcaacctct atgaccgcgt aggatgcgtc gtgctgacaa 600
agaatgtggc taggtatttg tcgccaatcc ggacaagtca gtggcagtc ccggaattct 660
gatcaacaac cgggatcgct tgctaagatt cctaccgaaa ttcttgagg accgcacaga 720
cgacgaccag ttcacggacg agaagagttt cctagtccga cagattgaac ttttacccaa 780
ggaacccatt gaaccatcac gttctgcgcg tgaaccgtct cgttcgactg ccaacaccac 840
gactgttgcg                                     850

```

<210> 21636
 <211> 717
 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
 <400> 21636

```

gacaatggac ctgaacatcc tcatgccacg cgtccccgtc gcaagatata tggccattaa 60
taagtttgcc tcgggggtgcc gttgtcgctt tgactgccgc gtgcgtaaac tatggcggcc 120
tgctcgtagt ccgatttttg ctgggtgtcg cagaggcaac cataacaccg gccttcattg 180
tcatcaccac cacttggtat acacgcgaag agattcccggt tcggaccggt atctggttct 240
caggtaactc cgtcggcggg cttcttgcta gcattttggc gtacgggatc ggccatatcg 300

```

accaccctct ccagccgtgg atgtgggttat tcatcatcct cggaactgcc accttcctct 360
 ggggcttcgt catcctagtc tctttgccag acagcatttc gaaggcagcc ttcttgaccg 420
 ctgaggagaa agcgttcctg tcaagacgcg tcgtcattgc cgggacagga cgcacagagg 480
 gaactgtgtg gaaacccgac caagccgtcg agtgcttncg cgaccctaaa acatggcacc 540
 tgcttggaaat cgctgctcta acccagatac ccaacggggg cattcagaac ttctcgaatc 600
 tggtcacat atcgttcgga ttcacagcct tggaatctac cctggtaaata atcccggtag 660
 tatcatcagc gctgcacgat cacccttacg gatggctcgc ggctgtttca ggtctca 717

<210> 21637
 <211> 534
 <212> DNA
 <213> Aspergillus nidulans

<400> 21637

gtccggtcca tctttggctt gacaaagatg gtacgggtatt caaatggcac cctgcaacga 60
 acgagtatca ggaatcttct tcgtctgccg atgaggtggc tgccagtccc gacggcagtt 120
 tattcgtaac aagcagcagc aacggaaccg tcaaagtgtg gagctttgaa tatatgtcgg 180
 tcatatatca gctctcgtct ggtgatctgg ttagggagct ggcatTTgct ccggatagta 240
 gacggttcta tgacatccga ggctctttat taaacgcgtg gcaatcaaac actctactac 300
 gattccttga ggtagatgag gctttcagtg atacatccag ccaggatcaa agatcaacat 360
 ctatttcgca tatatccgaa gcccataccg tgtcttatga agcagtgtct gtgatcagag 420
 tcagcccaga gcacggcttg tactgcgctg gtaacgagga aggaattgtg aactgtttg 480
 atgaaaagtc agaggaactg gggaaaattc tggaatttcc caattttgtc agca 534

<210> 21638
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21638

acgatatgcg gagcagtgat tgggtggaca agaggcacag ctataatgca aacatcaaac 60
 gctgtggctg aagaggtaga gaaactggga gtcactactt tcacgcaggc agaaatggcc 120
 ttcaatatc ttgcgttgat gacgcctgcc ttgactgccc ttgccgaaga tacaccaata 180

tatgccgact tgaccggagg tctaggatcg atgtggaata tcaaacagga aatctcagcc 240
gctcgaaaaa ggatatcaga gaggcagatc ctacaaatcg caattgcgga ggaggatgcg 300
cgtgagcagg ctatgatatg ttcagcaagc accgatgtcg aatcaggttt acccacaact 360
agacacgcca ggtaggcct acagtttccg ccacttccgg atgtgaacga agggtagcct 420
aatattgagg gaatgatcga tcttaccgc atcccagtta ttgtaggcta ctccgaacta 480
ggatcatggg gcaatgctcg cacgcggtgg gagattgagc atcggggaga tttcagcctg 540
gaaggctata ttgagatggc ctggattatg ggctcatca agcacgtcga tggacacgcg 600
aaaggtcggc cctatgtggg ctgggtggat gcagacacag agacacccat tcaagactat 660
gaggtgcccc ataagtagca taaacacatt atggctcatg ccggtctccg tctgataaaa 720
ccaactaac tagacagtta cgatccgtct cgcaaggatc ttctccacga agtagcagtg 780
gaagaagact tagctccttt catatcatcg aaatcaaccg gtgaagcctt tccaactacg 840
gcatggagag 850

<210> 21639
<211> 500
<212> DNA
<213> *Aspergillus nidulans*
<400> 21639

atatataggt cgtcaaaatc caccggcacg aaccagggca tccccccggt ccttcataac 60
aaagccgcgc aaggcttcc ggtacaccag tgcccacatg cacattccgc tggtagacca 120
gcagtatccc ctatgggttc ccccggtcat ccccgatcc ctctcctccg taccctaacg 180
tggcttacct ttctgacctg ggaagatgtt tcttggtgg gatccttacg gggcttccgg 240
acattatgcc aatgttcgcg ccgactgtca actcctacaa gcgcttagtg gagaacttct 300
gggccccggt aaccgtgtct tggggcttag agcacgggc cgcattctatt cgtcttatta 360
cgccgccaac cgcgagcccg aaggccactc ggctggaggc acgtgtgcct ggagccgatg 420
cgaaccgcga tttcgtgctg gcagccatag tcgaaatggg atggttgggt gtggaaaaaa 480
aaccacagat tcctgggtcc 500

<210> 21640
<211> 850
<212> DNA

<213> Aspergillus nidulans

<400> 21640

cgacccttcc gcttgcgcgg cttcaaaata tcgcgcagca ggtgggcgca aagatgatgt 60
tgtcatccag caagcagcac gatctggcta cgatgattat gccggatagc aacccttttg 120
ttgttgggga agagacattt gccgacgctt ctaagctgca gagtattccg gaattggcac 180
cagtgccttc atccgccctg atgtatatga tctttacatc cggtagtacg gggactccta 240
aagggtgtga ctcatggtag acgcttcaac cccatccgtg tgtccatcgt tgaccctcct 300
taggagtcaa actctctcac gaaacgtata caagcagcgc tatccctcga gctagagagg 360
tcggttacac ggagaactcg agggtccttg atttcgcgtc ctacgctttc gacgtcagta 420
tcgacagcat gcttctcacc cttggaaacg gcgggtgtct ctgcatcccc tctgacgagg 480
accggatgaa tgacattaac ggtgtgatcc gcaacatgcg agttaactat gcgggtctta 540
ccccctcggc cgcacgtatt ttagatacag acgtaatctc gtcacttgag ggtcttggtc 600
ttggaggcga ggctgtttcg gcaagagact gcacggctctg gggtaaactc gcaagaatta 660
tcatcggata cggaccttgc gagtgcacga ttggatgtac agtgaacggc aacgctgcaa 720
ctggcagggg ttatatattcc attggcaagg gcaatggagc agctatgtgg attacggacc 780
ctaacgacca tgaactgctg gtgccagtcg gtgctgtagg tgaactgctt gttgaagggc 840
caatcgtcgg 850

<210> 21641

<211> 467

<212> DNA

<213> Aspergillus nidulans

<400> 21641

ggtgattaga gctgatgctt cggtagctgt tattggatta acgaagctcg tatgtcctac 60
cctccaata tgatatcccc caccattaa tggatctacg attgatggat gtaacgaaca 120
ggacgcaaaa aactacgcca aagacgggtg ccgcatcaac gccgtctgtc cggggtaagt 180
ccattatact tttattttat atttccggca taattccctg cttgttgccc atgtgtctgt 240
ctccacgggc gaaatatatg cctaaacccg gtaccagctt cgtcgacacg ccccttacct 300
accgcaacct cgaagaaggc gtgctttcac ccgagattga aaacacggtg ctgaagcgcc 360

cggcgagggcc agaggagatt gcagacgcgg tgctgttcct gacctcgcg atgggcagtt 420
 atatgtgtgc ggcagcttta gtcgttgacg ggggttatac tgcttga 467

<210> 21642
 <211> 588
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21642

atgtcttccc aagaatacta cagcgacagc aaataccccc gccatggcca gggctatggc 60
 aatcaggggc ccatgcctcc aactgggtat cccgcatacc ctccagcttc aacttcatgg 120
 ccagcacctg caaacgacac agcatatttg tcacaaacta gcaacggata tcaatacccg 180
 caggaatact acggcggcta tcagcaaccc ccgcctccgt actatcaaca ccctgaatcg 240
 ccagcgccag cgccagcgca ggctccatac tcatacccat acccacgca gcagcagtct 300
 cagccgacat atccgcaaca tactgaccaa gacgttcacg cccgtcaaga ctacaatgac 360
 cgtgggggtcc tagggggcct aactggaggg gcggcaggcg catacgcagg gcatcaagtt 420
 aaccatgggg tgcttggaac aattggaggt gctatagcag gctctttagc ggaagacgca 480
 ataaagaaac acagttcaca cgggaagggt gacaagaaga aggaaaagcg gccgtggagg 540
 tttcacgggc gccgttcttc gagctcatcg tttcatctt cctctgat 588

<210> 21643
 <211> 837
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21643

agcaaaatgt tatccatatt gagaaaagcg aggctaaagg ataaggagat gcgaatcctg 60
 atgctgtaca atccactttg accagaaatc ttggggaagg tcgctaata gcagtagagg 120
 gctggacaat gcgggcaaga cgaccatcgt caaacgaata atgaaagaag atgtcacgac 180
 tgtaagccca acgctgggat ttatcatcaa aacaatagat tttgaagggt attttctggc 240
 tgtttaccgt ttttgttcat aatcactgac tgtctctaga taccgattga atatttgtaa 300
 ggagcccgac agtgtggcca cccagccgct aacgcttgcc caggggacgt cggagggcaa 360
 aaaacactcc gttcatattg gaaaaactac tttgaaaaga cagacacttt agtttgggta 420

gtagatgcca cggaccgact gagaattggg gattgtcgcg acgaacttgc tgggtctttta 480
 ctagaagaag taagctgatg cccgcccggg aaacttttat cgactggcgt tctcgatgag 540
 cttaccacaa ccgagcagcg tttaatgggc gcgagccttc tgggtatttct gaacaaaact 600
 gatgtggaag gatgtatgac ccaagacgag gtcaggaagg tgggttgctt ttttttcccc 660
 attgatctgt tcaaggatcc ggggtctttc tgactctccg tgcagaacct cgcttttagat 720
 tcgatcaaga ctcataagtg gactatactg ccttgtagcg cgatgacagg ggccaatctt 780
 catgagggtc tgaattggat tgtgcaggat gcaaaggaca ggttattcct atactga 837

<210> 21644
 <211> 631
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21644

gctcatgtgc tataacgtca gaatatgtc gcttccctcc cggacaatca aatttgagat 60
 ctgggatacc gccggtcagg agcgctttgc ttcgctcgcc cccatgtact accgtaatgc 120
 tcaggcggca ttggtagtct acgatgtgac caaacctct tctctgacca aggccaagca 180
 ttgggtggcg gaactccagc ggcaagccag tcctggcatt gtgattgctc tcgtaggcaa 240
 caagttggat ttgacgaacg acggcgggga gacaccagct gagaccgaac gcgaggcggg 300
 tacagagggc gacgacgctg acgacaacca agaagagcag gaggataata cacctggaga 360
 tgctcgcaaa gtaccacac gggagggcag tacgtatgca gatgaggagg gacttctatt 420
 ctttgagacc agcgccaaga cgggcctgaa tgtgacagac gtctttactg caattgccaa 480
 tgccattccc gagagcagtc tgaagagtgg acgaggcgct ggcgaggca ccggtcagac 540
 tacgctaggg ggtggcggcc gatctactga cgactcaaga gtcaacctgg gagatcgcg 600
 cgccgcgaca gcccaaggagg gatgcgcctg t 631

<210> 21645
 <211> 768
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21645

ggccaggaag attgcgcttc cgtactggag cagttcgtcc acgatgtcgc gaaccttct 60

ctagagatca accacttgat ggaagaaatt caagcaaaag acaaaatcat tcaggagtgc 120
cgcgctatta ttaactcgcg cgacgccagc atccagaagt tcatcaaact taacggcagt 180
ctcaccocga accctaaaga agaacaatac tcgaagatcg tctccagaa tctcgacaag 240
tcaagccagc tgcaggatga gaagatccag ttgagcgaga aggcgtgcat cctcctggac 300
cggcagatca agaaactcga tatcaagatc cgcgacctgc aaaacgacgg cgtcctttcc 360
aatgatcctc ccataccctc tctcttcaac aataaagacc agtaccgca cccgccaag 420
atcttctttc cggactcctc caacgactcc gcctcctaca catctcctct cgctgcatcc 480
tccggcaacg caaaccgac accccgactc agcctctccc tcaaccgccc tcattccgcg 540
gccgctctat ctcagactgc acgcagctcc gcgcccgcga cccagccgc aaccgogcac 600
ttccagcagc gtcagcgtga atcatctgcc ggcgctatcg atagcaagcg tcgtogtcta 660
aacgcgacgc tcggctccct tctgctgcc tcttccaaca acacaacaat catccctcgg 720
cccaggaact ccgaaagcag gaactccggc ctccagtcgt ccggaaga 768

<210> 21646
<211> 850
<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
<400> 21646

tcgaaagttc aaaaccgct tgaaaggaaa gaaccgcaat tacattgctc aagtcatccg 60
cttgatcagc tctatagcag atcatctcca gtctcttata gataataaac aagcaagtga 120
aggctctgtt ctctcatctg acttgatggc agggaagggg gctgatcaga tcaatccgta 180
caaactctgc cgatatctga atgagagcaa actagcaagg aaagtcgacg ggtatattga 240
tttttcacaa agcaaagcga atgcccgaag tgagcccaag tctacgattc ctgttctttt 300
tcatatacaa agctttctcc tgccattaat gaatctttct tctgaaggga gactgttctt 360
cacgaaaacc cccggggata ttcagcttca ttatatgctt cttgacccaa caaatcattt 420
tcgggagatc gtcaggatg cgagggtgt cactactggc ggagggacca tgtctccgct 480
aagattcttg tgcttttgc tgacaacgtt cggtctctga cggccttaca gatgtctgac 540
tacttaaac atttattctc ctatgtccca aaggatcgct taaatacttt cagttatggc 600
catgtcattc catcgagaa cctgactgcg cacactctgg ctngggcgt tacaggttgt 660

gagtttgact ttacatatgc cggtcgtgat gcagagaaga tggtagcgac cccccggcc 720
 ttccctgcag catgccata gtttttaact tcggtactag atacttgacc tcggacggac 780
 attcactcag ttatgtcgtg caataccaga acgcattgtt gcttttttcc cgagctacga 840
 gtattttaacc 850

<210> 21647
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21647

tttccgaagt ctcggtgccc tcggccgaga agccacctgg gatgacttcc ctaacggccg 60
 ttgggggtgat gtcgctctc cagcattcgg tgaaattgac ggctatggcc catctcttca 120
 cgctcgtcca tccgttgctc atcgaatatg gggctaccct gtttctaccg acgatatcag 180
 caagcttttc aggcgccatg tatccggtga tcttcatatg gtcccggtgg ctgaagggtg 240
 cgctgaagaa aacaccagcg gcctcaatgc cgaaacagaa acaattcgtc ctgaacttct 300
 cgctcttata gacaagaagg gctgggtggac ctcgcttccc agccggccgt caacggcggtg 360
 cgcagcgacg accccatctt cggctgggggt cctcctggcg agggcttcgt cttccaaaaa 420
 cccttcgttg agttcttctg cccagcctcc gactttaaaa ccaccctcaa acccctcctc 480
 cagaaacacg gacacgaaaa gctcgcttgg tttgcaacca acgctgctgg cgattttgag 540
 tcttctcttc ccgccgaaac atcagacacc gagcccgttg agatgaacct gaacaatgtc 600
 aacgccgtca cgtgggggtgt tttccgcggc aaggaaatcg tcacaccac cattattgag 660
 gaagtcagtt ttccgcgcgt ggggcgactg aggcctaccg tatctgggat gaattgcgcc 720
 gtatttatcc catgagttcg gcttcagaga agttcctcga gaagacaaag aatggatgtt 780
 ggctagtttg tgttgccgac aggatttttg agctgcgccg gaggtagggt cgagggagag 840
 gtattttaaa 850

<210> 21648
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21648

gctggtgagg cggaattgc agaagcgtgt cgcagtttcg gggggatgca cattatgttt 60
aacaacggct ccatgacttc ggagcagatt gtcgaaaatg ctgctgccga tcaggtgttc 120
ggatggcagt tgtgtgggca gaccaatcgc aagaagagtg agggccagat ggcgcgtgtc 180
aacaagctga aggtgataaa atttgtggtc ttcattctcg acgccccagt tcttggtaaa 240
cggaagatg acgagcgggg caatgctgca accggtgctg gccaaggcga gagcggcgtt 300
ggtaagcagt tttccaggg aacggaccgc acgctcacct ggagggacac cctaccttgg 360
ttgaaaaagc ataccgacct acccatcata ctcaaggggc tccagacca tgaagacgca 420
tatattgcat cgctccacgg tccccaggtc aagggtatca ttctttccaa ccatggtgga 480
cgagctcttg atactgcgcc tccggcagta catactctgc tagagatccg caaatattgt 540
cctgaggttt ttgacaagct tgaggtcttg gttgatggcg gtatccgacg cggaaccgac 600
gttgtaaaag ctctttgcct tggcgcaag gccgtgggaa ttggaaggcc cgctctgtgg 660
ggtctgggag ctgggggtgt cgccggtgtc aagcgcacat tacagagtat gactcctttc 720
gcattaaaag ctatagcgaa ctctctgact gtgtttagtt ctggccgacg agacgtccac 780
cgctatgcgc ctgcttggtt gcgagcgcgt agagcaattg ggacctcacc atgtaagctt 840
ccggtcttta 850

<210> 21649
<211> 850
<212> DNA
<213> *Aspergillus nidulans*
<400> 21649

tgcaacgccg agtgattctg tctgggacgc ctattcagaa cgacctttca gaatattttg 60
cacttctcaa tttcgccaat ccagaccttc ttgggtcgca aaacgaattt cgaaagagat 120
ttgagatacc catcctcaag gggcgagatg cagcaggcac ggaagaagac aggaagaaag 180
gcgatgaacg tctggcagag ctttccagta tcgttaacaa gtttatcatt cggcggacaa 240
acgacatttt gtccaagtac ttgccagtca agtatgaaca tgttgttttc tgcaatcttt 300
cacaatttca actggactta tacaacatt tcatcgatag tcccgagatc aaaagtcttc 360
tcaggggcaa aggcagtcag cctctgaaag cgatcggaat actgaaaaag ctctgcaacc 420
atccagactt actgaatctt tccactgatc ttccgggtg tgagcacgca ttccctgatg 480

attatgtccc tgtggaagca aggggtcgag acagggacgt cagaccttgg tattctggga 540
 aaatgatggt gcttgaccgg atgctggcgc ggatacgcca ggatacaaatt gacaaaattg 600
 ttctaattag caattatata caaacactag atttgtttga aaagcttgca ggtagagagc 660
 atatgtttgc ttgagactgg acggtacgat gaccgttaag aagtgcaga agctggtcga 720
 caagttcaac gacaccgacg gcgaagagtt tgtattcctt ctcagcagca aagccggtgg 780
 gtgtgggttg aacttgatcg gtgctaactc acctgtcttg ttcgatcccg ataggaactc 840
 ggcatcagac 850

<210> 21650
 <211> 560
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21650
 acagaacaac gcatcttgcc aagtgcgagg ccattcgcca cttgtgctct tccggtcctt 60
 ccatctttgt tgatcttccc tagccctggg gccggtctcg agctcgccct ttgcacgcat 120
 ctccgcggtt tgggtccaa cagccccgtc gccctaccga gacgaagctg gcgatcatcc 180
 ctggcgcagg cggtaactat cgccttccgt cgctgattgg tgtgaaccgt gcccgggacc 240
 tcatacttac cggacgccgt gtgacgggac ctgaggcata ctttatcggg ctgtgcgatac 300
 gactggttga gatccttccg gaagaggagc agaaggaggg tgctgcgcgt gagaaggtac 360
 tgcgtgagag catcaagctt gctctggaca tctgtgacgg tgggtccatt gccataaagc 420
 aggcattgaa agcagtcaac gggatatgac agggtgaggc ggcagagaac gaggcgtatg 480
 atgggtgttg cgagacggag gacaggcgcg aggcctctgat tgcgttcgcg gagaagagga 540
 agcctgcttt ccggggccga 560

<210> 21651
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21651
 ccgctgatgc cgattttaat gccgagtatg gagagctgga accaggctct gcagttttacg 60
 ctgaagcaag tgaactcgcg gacgagttta gcacgggacg gggagctcga taaaggcgac 120

ctggaggagg ggaaggatat gctaagccgg tggatggcga tccatgtcgc tgatccagag 180
 aagatgagca cccgcgatgt gattgtgcat ctgtcgacca acgtctttgc gggctcggat 240
 acaacggcta ttgcgctgcg ggcgattatg tatttccttc tgaagaatcc cgacaagatg 300
 gaaaaggctg tgggggagat cgaggccgct gatagcgcgg gacgcttgag cagccctatc 360
 tcgtacaaag agtcgatgac gcacttgctt tacctggggg ccgcatcaa agaggccatg 420
 aggcttcata cgaccgtggg gttgatcctg gaacgacatg tgccagaggg tggagtcacg 480
 gtctgcggga ggtatatcc tgccggacga ccgttggcat caacgcttgg gctctgcacc 540
 acgacgagaa ggtgtttccg agccccgggg catttatgcc cgaacggtgg ctggagagcc 600
 cgctgcgaa attgaaggag atggagcaga gcttctttgc ctttgggtgct gggcaagga 660
 cttgtgtggg taagaatatc tcgctcattg agatgcacaa gatcatcccg cagctgctga 720
 gggatttcac cttccggttg catagaccag gcgacgagt gaagacaaag aacgcttgg 780
 ttgtgcagca ggagggtctt gttgttgatc ttgagaggag gaggtgatat ccagacattc 840
 attgtgcatt 850

<210> 21652
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 21652

tgaagacgag gtggattcct ggatttcggg actgggggtct cggagagaag aatcacttgg 60
 gttatttgcg taccctgcgc agtcgaacat gaatgggcgt cgtgttccaa tgcgatgggt 120
 cgagcagata cgtgcgcaaa aggaaaatgc agacaacatg atctacacgc ttcttgatgc 180
 ggcatccttc gtctcaacat ctnccattga ttttaagcaaa atagcggccg ccccgattt 240
 tacagtactc agcttctaca aaatattcgg gtttcttgac ctgggtgcgt tgatcgtccg 300
 caaaagtctt ggagatgtgt tcaagcaccg gaagtttttt ggggggtggca cggtagacat 360
 ggttctgacg gacgggaatc cgtggcatgc gaaaaagcaa tcttccatcc atcagagctt 420
 ggaagatggg aactcccgt ttcacagcat aatcgctctg gattcggcat ttgagacaca 480
 tggtcggctg tttaggtcta tggagaacgt cgcttcccat acgcgtttcc tagccaagcg 540

actgcgtgac cggatgaatg cgttgaagca ctacaacgga acgaaagtct gtcagctgta 600
tatgtcgctt aactctagct acgacgatgc ctcttcacag ggtccgattc ttgctttcaa 660
cttgcgaaac agtcggggca tgtggatcgg taaatcagaa gtcgaaaggc tagcgagcat 720
caagaacatc cagatcagat ccggaacgct ttgtaacca ggggggtacag cgtaagcct 780
aggttggaca ggggcggata tcgtcgccac ttctcagccg gaatgcggtg cggagatgac 840
cacgacatca 850

<210> 21653
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 21653

caaaatcttg ttaatttaca aataaattaa atgtgaagta agataattta tccttgggta 60
taggggtgggt aattaaaaaa ttaacaaaaa atttaccatgc caccaccaac tttttttatt 120
tttaatacca gtattagcaa taatcttgct agctgttaat ttaatatttt ccacctcata 180
tccatatcaa gagaaagata gtgcatttga atgtggtttt cattcctttt taggacaaaa 240
tagaacacaa tttagcatat ctttctttat atttgcctta ttatttctac tatttgattt 300
agaaatatta ttagtatatc cgtatgtggt aagtgcatat acaaattggga tatatggttt 360
agtaataatg ttagtatttt ttctagtatt aacattaggt tttgcatttg aattaggtaa 420
aaatgcatta aaaattgaaa gtagacaagt ttataatata cttataaatc ttaagtgggt 480
attcattaat atataataaa 500

<210> 21654
<211> 300
<212> DNA
<213> Aspergillus nidulans

<400> 21654

tgatctgcag gtgaatgcc agtacaagcg gtgggtgcag agtgatataa tggggtatcg 60
cggatattgt cccgggagag agggggagtg ctgcaccaac atgggaagcc ggttgctggt 120
tacagagacc aagacgggaa ccagcacaag cttagcgcaa tctgcccgca catgaaggga 180
gtagtgtgct ggaatggggc cgagaagagc tgggactgcc cgggtacagtc tgttagagca 240

acggaagctg ccaacagtat agaccaggat atcgtgtaga tgctgaccct gtgcctgctg 300

<210> 21655
<211> 611
<212> DNA
<213> Aspergillus nidulans

<400> 21655

gttgattcaa aagtacttga agatgggtccc ctttggtacg acaggtctta caggaagcgg 60
ccgaacatga gccgtcaatg gtcttcatta atgaaattga tgcaatcggg acgaaagtta 120
atgattcaac ttctggcggg aaaagagaga tccaccgaac gaatgcttga gcttctcaac 180
cagttagatg gattcgacga ccgcggagac gtcaaggtga tcatggctac aaacaagatc 240
gagaccctcg accctgcttt gattcgtcct ggccgtattg accgaaagat tctgtttgag 300
aatccagatc gtaagtatta cttcagatc caatatagtg gtgatgctga cgtaaaacag 360
aaaacaccaa gaagaagatc ttcactctcc atacctcgaa gatgtccctc ggagacgatg 420
tcgaccttga cgagttcatt aaccaaagg atgacctctc tgggtgctgat atccgcgcca 480
tttgacaga agctggtttg atggccctga gagagcgccg catgagggtg cagatggacg 540
atttcctgct cgctcgcgag cgtatcatga agacgaagca ggacggcggg cctgtggaag 600
gcttgatatt g 611

<210> 21656
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21656

cttacatgca agacgatcgt gatgttcgtg atgagcgcaa ggctcagggc cttgagcctg 60
cctacagctt catgattcgt tgccgtctcc ctggtggtgt tgctactccc tctcagtggc 120
tgcatgatga tgccatcagc agcgcttatg gtaacgagac catgaagctc accaccgctc 180
agaccttcca gttccacggg gtcgttaagc gcaatcttcg tggagctatg cgtgcgatca 240
acaaggctct gatgacgact attgctgcct gtggtgatgt caaccgtaat gtcattgtgca 300
gttcgctgcc tgagctctcc tactaccatc gtgaagtga cgccgtgtcc aagaagatta 360
gcgaccattt gtcctctgcc accactgcct atcacgagat ctggctccag gatgagaatg 420

acaagaaggt ccaggtegct ggggatgctg ttgttgacca ggagcccttg tacggtccta 480
cctatctccc tcgcaagttc aagattacca ttgcaattcc tcttcacaat gataccgacg 540
tatacgctca cgatattggt ctcatgcca tcaaggggtgc cgatggacac ctggaaggtt 600
tcaatatcct cgctgggtgt ggtatgggta ccaccacaa caacaagaag acgtaccccc 660
agactggctg catgtttggt tacgtgcccg ctgatcaagc ccacatcggt tgcgagaaga 720
ttatgcttgt tcagcgtgac tatggtgacc gcaagaaccg caagcacgcc cgtctcaagt 780
acacaattga agatatgggc gtccaggcgt acaagcacia ggtaaaggct cttcctcgtg 840
atggtaaccg 850

<210> 21657
<211> 845
<212> DNA
<213> *Aspergillus nidulans*

<400> 21657
ctattggttg tggtcactat tatcgcaact tcgcgctgga aggggtgcctc agaaaatggc 60
ccctgccctt ctgataccgc gtgaaagtgt ggaaaagcat cgccagcatg gccatcgtga 120
tgaggaatct cagtccaacg agaagacttc tacgaaaggc aagagcgagg gtgtacagga 180
ctctagcgat atagacaacc aactcgctccg gaacacgtct gtctttactt ggaaggacct 240
ctgctatacc gtcaagactc cgagtgggtga tcgtcagttg ctcgaccatg tctatggctg 300
ggtgaaaccg ggcatgctgg gcgctcttat ggtatgtagt ctttatttga cttgaagcca 360
ctgctaacia gtctagggat catccgggtgc cggaaagacg acactcctcg acgtccttgc 420
ccaacggaag actgccggtg caattcaggg atcggttcta gttgatggtc gtctctctcc 480
tgtatcgttc caacgttcag cgggttattg tgagcagctt gatgttcacg agccgtacgc 540
taccgtccgt gaagctctgg aattttctgc tttgttgctg cagccacgta caacaccgcg 600
ggaagaaaag ctgaaatatg tcgacgttat tattgacctt cttgaacttc acgacatcgc 660
cgacacgctt atcgggcgcg taggtgctgg actcagtgtg gaacagcgca agcgagtcac 720
cattggtgtt gagctagtct ctaagcctag taccctgac ttcttgacg agccaacatc 780
tggtcttgat ggccagtcgc caacaacia cgttcgcttc caccgcaagt tggctgatgt 840
cggcc 845

<210> 21658
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21658

```

ccccgggccg acattgttga gcgcattgag catgacccccg gacggagtgc tcatattgcg   60
cttcttcgca gtaaagaaac tgggaagctg agctatatcc tggctgcaga cggtatgagg  120
gcaggagatg ttgtgcaaag ttacatggct gggattccccg acgacctttg gcagagcatg  180
ggaggaactg ttgatecctgg tgtgatggct gccagaactg cctggagagg aaactgcttg  240
cctttacaca tggttccggg ggggtcgctc atattcaacg tcggggttgcg tcctggcgga  300
gggtggacagc tgtgccgtag cgccggtacg ttcgcgacgg ttatctccaa ggggtgtcaat  360
caggtggctg cagccgatca agagagcaaa gaaagccaag cggctggcga agagaagaaa  420
cccatgaccc agcgcgagaa gcaagcccgt gagcgcactc tccagcatat caccattcgc  480
ctttcaagtg gggaggtgcg ccttattcac aaagattgct gtgccaccat tgggtgcgct  540
agcaacccaa acaagaagta tgcccaacta ggaaaggctg gaagatcacg ctggcttaac  600
attcgaccaa cggcgcgcg tcttgccatg aacgctcaag atcaccctca cgggtggtgga  660
cgaggaaaat cgaagggtaa cgttgatcca aagagtcctt ggggtctgcc ggtacgtaac  720
tcgtcctttg tatgttcctg caagttgcta atgggttata caggccaaat ctggctacaa  780
aactcgcccc aagtggaaga tcaacaaagc tgttgttgtt ccaagagtcc ggaaccaagg  840
caagcgtcgc                                     850

```

<210> 21659
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 21659

```

gggtgggagaa gagaggaggt attgggatga gagcagcgag ggggggagaa gagatgcaac   60
agcaggaaag agagggatga aaaaagacca aaaaagtctg caaaaacttg ggctcaagca  120
tatcctcgat cctaggaagt agacatccca gacaatgtcc acgggttgac cgacggcgctc  180
ggcgcggatg tggctcttcga cacagcgggc gtggagaagg cgcttgacgg agccattggg  240

```

gctgcccgcg tccatggtac gatcgtaa at gtcgctgtgt gggagaagaa accgcagatc 300
aaggtcaacg agatgatgta ccacgaggtg aaatatcttg gctcggcatt atacgatgag 360
aagtcatttc aagacactat cgacgctatc tcgaagggcc tactgaaacc ggagtccatg 420
attacggata aaattaaact ggaagatgtg gtggagaagg gattcaagac gctgctgcag 480
gacaggaata cgactgcaa 500

<210> 21660
<211> 383
<212> DNA
<213> Aspergillus nidulans
<400> 21660

aggatcaaat ggctcatgaa atgggtccacg cctatgacca cctaagggtc aaagttgatt 60
ggacaaacaa cccttaggca tgcagcttgc acagaggtag caatggcgtc cctttgtgga 120
tgtcctatac ttgcagacgt ggaaggacta atggcaaaca gattcgagcc agttcactca 180
gtggagaatg tcgatgggct cgagagttct tccgacgcgg tcagtgggaag cttacacagc 240
aacaccaaga gtgtgttcga cgaagggctg ttctgtcagt aatggcaagg ccgggatgtc 300
aggataaagg ccatgccgag aaggttgtga atgaagtctg ggatagctgc tttagggaca 360
ctcgaccgtt cgacgaaatc ttc 383

<210> 21661
<211> 497
<212> DNA
<213> Aspergillus nidulans
<400> 21661

aagctattcc ggacaccacg cccagttgta tagtccttca tacggttcag gcgtattatg 60
ccagtcggcc gtagagtatg ttctcgggca gggcgccat cgcaagaaac tcctcctagg 120
tatccctgcc tatggccggt cgtttctcgg cagtgacaat atcggacagc gatatgcagg 180
ctgcggtggc gaagatggag tattcgatta ctgcgagctc ccgcgcccag gtgcgacgga 240
gtatcatgac gaagaggttg cagcagcgta ctgcgtcggc ggggatggtg ggttcgtaac 300
gtacgacacg ccgaagactg ttcagcagaa ggcgaggttc gtaacccgag agcagctggg 360
aggattattc tactggcata ttggggggga cactcgaggc ccacggagtc tcacgagac 420

ggggtataac acgctgcatg aaatgtagat ctaaggctgg atgagcatgc agctgaaggg 480
aacgaagggg gatggaa 497

<210> 21662
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21662

aggcgagggg tgctgcggct tcgaatatga ggagggcgca gaatttcccg acaatctacg 60
actatggccc gtcaaaaatc cctaagcctc agctccaatt tgaacatcaa gtcgatccta 120
cggatacgtc gcctttcaga cctctgctga agacgaaacc gcatgctata gagccgttgg 180
agcagtcgct gacaccttca attgacgcgc ctacagggtt tcgtaatccg tacgagacgg 240
agatccgtgc tgcaaagtac ccaagctccg tctataccgt atcgcccccg attgactatc 300
tgccctttga gacgacagct gcgactttcg tggatacttt ggacgggtgtg aaagagatgc 360
tggcggaact gaaatctgcg cgcgagatcg cgattgattt ggaacatcat gatgtacatt 420
cttatcacgg tcttgtatcg ctgatgcaga tcagtaccgg cgagaaggac tgggtggtgg 480
atacgtcaa gccatggagg gaggagctgc aaatgctgaa cgagggtgtt gcagacccta 540
acatactgaa actcttccac ggatcgagca tggatattat ctggctgcaa cgcgaccttg 600
ggctctatgt tggtgggatg ttcgacacgt atcatgcagc ctgtgctctc aactaccga 660
agaagagctt gaagtatctg ctgcataaat ttgtcaactt tgaagccgat aaacagtacc 720
agatggccgt ctggagaccc cgaccgcttc aaaatggccc ctttaacgat gctcgctccg 780
accaaagaga cgctcgaca tatgcgacaa tcttcgctac gagctgcccc gggggtattc 840
ataagttttt 850

<210> 21663
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21663

cgatcttggg cccatgatca ccgagcacc tgggatcgac aagatctcgt tcacaggctc 60
gacggctact ggtaagaagg tcatggccag cgcgtcgaag acgatcaagc gcgtcactct 120

cgagctgggc ggcaacgacg ccgcgattgt ctgcgacgac gtcgatatcg acaaggctcg 180
 tcctaacgtg tgtatcccc cgaccgtttc ccttatagca tcgtctcctg cccgaatcaa 240
 cctgcttgag aagatgcttg accagccaag cccgaccctt cccttaccgc gttgtctcag 300
 cccgaactct atccctccac ccctatagta gtctctagct aacaatggcg gcagctcgct 360
 atcctctcct tcctgacctc ctgcgagatc tgcatgatga tcaaacgtct ctacgtgcac 420
 gaaaagatct acgacaagtt cctgcaaaaa tttgtcgcgt ttgtctccaa cttcaaggctc 480
 ggcgccggca cgcaggaagg cgtcttcacg ggccctgtgc agaacgagat gcagtataag 540
 aaggccaagg acctcttctc cagcatcgag tccgagaagc tctgcgctgt cttgggcggc 600
 acaatcaccg cgtctgacgg ctactacatc gcgccaacga tcatcgacaa cccgcccag 660
 agctcgcgcg tcgtgcagga ggaaccgttt gcgcctattc tgccggtgct caagtggctc 720
 gacgaggacg acgtgattgc gcgtgccaac ggaaccgaca gcgctctggc agcgagcgctc 780
 tggagtgtgg atatggagcg ggcgagcgt attgcggggc agctggccgg agggtcagat 840
 gaacaactgt 850

<210> 21664
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 21664

tactcgaaac caacggccac gcgcccggga gatcatctct ttgagggtata gaaacttagg 60
 ctgtgtcacg cgcggctggt gggcgccctt gtggactttt atttttatga tttattacta 120
 tgttcttgta ggtttttttc cttttccttt acttttttct tactttgtgg ttttttattt 180
 gtttcttcat ttatatgaat ttttattatt ttttacattt ctttgtttgt ttttattaac 240
 taatatgtct atttcttggg ttgatgtttt ggttgctata gtctgttctg acttttatct 300
 tttattcggg attgttatac tgctttatat gtttctttgt atttatattg tgtattattc 360
 taagtttttt tgacattctt ccaattatgt tgacctttgt tgctgatttt tactgttttt 420
 tattcataat aacatgtgtt taatttctct tttccatttc tattttatat tttttgttta 480
 ttgctttttc tactctttat tatgtcgtct tttttgcttt tacattgttt atcagatata 540
 ttgtatctat tttttttata tattattaat tttatagtat ttaattttct tactttgtta 600

tgtttcattt ttgaggggtg gttttttcat tttttgttct tcattaatat attttttact 660
 tatatttatt ttattccatt tttttattat cgtttttttt tttttttttt atttttttct 720
 tttatacttc tttatatctt ttctttactt acccttttca ctttaccctt attttcctgt 780
 ttctcttctt ttctacttct catctatctc ctctattaat ctttacttta ctattgatgg 840
 taggtgggtg 850

<210> 21665
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21665
 ccgactggca tcatcccgat gcggtgatt tctgggcaa cgagctcgtg acttggtatg 60
 agaaagtcaa attcgatgga gtgtggtacg acatgagtga ggtatcgtct ttctgtgtgg 120
 gaagctgtgg gtctcgaaac cggacactca accccgttca cccgcctttc agattgccag 180
 gtgaaccggg caacgttgat tacgagtatc ctgaaggatt tgagctgtcc aacgcgacag 240
 aggctgcttc ggcattctga gcttcttca gccaggccgc aaccaccgcc acagagacta 300
 cgacatccac cagctcttac ttgcgtactt cgccactcc tgggtgtccgt aatgtcaact 360
 atccacctta tgtgatcaac catgtccaga cgggccatga tcttgctgtg catgcagtct 420
 cgccaaatgc tactcacgtt gacggttatc acgagtacga cgtgcacagc ctctacggac 480
 atatgggtat ccaggccacc taccgaggtt tgactcagat tgccgccagg aagcgtccat 540
 tcatcattgg ccgctcgacg tttgctggct ctggaaaatg ggccggccat tggggcggtg 600
 acaactactc ccggtgggtc tccatgtact tttcaatctc gcaagcgttg cagttttctc 660
 tctacggcat tccgatgttc ggagtcgata cgtgcgggtt tagtggaaat accgcggagg 720
 aactctgcaa ccgctggatg cagttgtcgg ctttcttccc gttctatcgt aaccataatg 780
 ttcttgggac aatccctcag gagccttctc aatgggcatc gaaaattgat gccacaaaaa 840
 aggcgatgag 850

<210> 21666
 <211> 742
 <212> DNA
 <213> Aspergillus nidulans

<400> 21666

atggttgagg ctttgccagc ggggcacacc cggctgcatg tgcaatcgtc actccccctca 60
ttaccagccc atctacaatc cgatacccat cttaccgcac atttagccag tcggtacgtg 120
gtctttctat tattctaggt agaaactagc tgatttgact gtctaccagc ttccatgtcg 180
gcctaccac cgcgcggcctt tctccacg cactaatcag cttaaacaac tacacctcat 240
cttcgaaagg tctgatggc gggaaagaag gtagtgctat gggcgagacc gaggacctcg 300
ctcggagggc ttatactcg ctcggtgctc gaggagagaa ccaagcgatt gttttcctgt 360
aagtttccc ggcgttgtct ctgattcaag cagcatttac tgaatatatc cagaggcgag 420
agtggcgcgc gtaaacgac tcttcggtct cactttctct catcattcct ctccttttcg 480
tccactccgc tgcatacaa actgtcctat gccgctttca ttttcgacac cctcaccaca 540
accaagtcac tgacgacacc taccgcgtca aaagctggat tggtccctgg aactgcaata 600
tgatgcgtcc tctccgtta acccgactct aatagggtga aagatcatcg accacagact 660
tgagcgtagt cggattgctt cggttccac gggcgaacgt agcttccatg ttctatatta 720
tctgcttgca ggaacaagcg cc 742

<210> 21667

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 21667

atcacctcgg tgagtttagc ctggcgacta ttgaagaata atttagaggc ggtcggaccg 60
gcgactaact agaactctca ctttcaggtc cttatcgga ataacggtat tgcggccgctc 120
aaggagattc gatctgtccg aaaatgggac tacgagacat tcggcaacga gcgtgccatt 180
caattcacag tgatggcaac cccagaagat ctggcggaac acgccgacta tatccgtatg 240
gctgatcaat atgttgaggt atggaaacgc ctttcggatg attcggagtg tatataatat 300
aggtcaaatt tgttaaactc cctcgcaggc ccttggtggt acgaataaca acaactacgc 360
caacgtcgag ctgattgtgg atgtggctga acggatggac gttcacgccg tctgggccgg 420
ttggggtcac gcctctgaga acccccgggt accagaatct ctagccgctt ctcccaaaaa 480
gatcatcttt attggacctc ccgcctctgc gatgcgatct cttggtgaca agatttcctc 540

tactatcgtc gctcagcacg ctcaggtacc gtgcattccg tggctctggaa ccggtgtaga 600
 tgaggatgaag gttgatgaga acggcatcgt tacgggtggag gaagagggtt acaacaaggg 660
 atgcacattc tctccggaag agggctctaga gaaagccaag cagattggat tccccgtcat 720
 gattaaagcc tccgaggggtg gcgggtggtaa gggatatccgt aagggtgaga aggaagagga 780
 ctttatcaac ctgtacaatg ctgcggcgaa tgagattcct gggtcaccta tcttcatcat 840
 gaagcttgcc 850

<210> 21668
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21668

gcacacgaaa actgctccga acgatcactc ggttcgatga cactgcgcgc ggcacagacg 60
 ttcgtcctga tggcaggatt ctagtagcgg gtgatgatac cggtagatta cagggtgttcg 120
 atgttggttc gcgagcgatt ttgaagacgt ggaaggacca caagcagccg gtttgggtag 180
 ccaagttctc gcctagcgat ccgacgtgtg ttctgtccgc aagcgatgac cggactgtgc 240
 ggttggtggga tctgcccagt gagaacagta tcaaatcatt cgtgggtcac tccgactatg 300
 tgcgtactgc ggcgttcatt cccgggttcgc tggcttcgtc tggctcgtta gtgtctggta 360
 gttacgatcg aacagtgcgg ttgtgggac cccgtatgga gggccggtct gccatgactt 420
 tcaagatggg cgcgccgctg gaaactgttc tccccatgcc gacgggcacg acagtgtctg 480
 ccgcggcgga caacaagatc gcgggtgttg atatcgtggc tggaaagcca ctgcatatga 540
 ttcagagcca tcaaaagaca gtcacatcac tctccttagc atcggacgga acgcggttac 600
 tcagcgggtgc tctcgatggc caccttaaga ttcacgaaac aactggctgg aatgtcgtgg 660
 ctggcttcaa ataccagtcg cccatcctct ccctctgcgc aatcacctcc ggcgtgcac 720
 gcgaagacaa gcatattgcc gttgggtatgc agtctggact gctgtcaatc aagacccgtc 780
 tctctggtca gaaaaaagcg cgcgagcgcg agcgcaagaa ggaaatggag gcccttctta 840
 gggaaagatt 850

<210> 21669
 <211> 503

<212> DNA
<213> Aspergillus nidulans

<400> 21669

ttgaatgcag ctataatgtg atgttctcaa tagctccttc aagaaatcga atcccgctg 60
ataacctcgc agcaacagat tgggatcacg aaggcacaaa tgacaagcaa aaaccgtgat 120
atccgaatgc tagagctcac atcaaaggag ctaagctctt tgcccgcga tactaatgtt 180
tatgagggcg tcgaaagat gtgagtcca tatctgcct tgcggacaaa ctttggggct 240
gaaacggggc gtgctatatt acgggacctg gtatacaaat aagacaagac ggattgggtg 300
aataagagta aatgaaacgg atactaatgt cacttaggtt cgttgcggtc cctagagcca 360
cagtggacaa gcgatatcg acagagaccg gagagttgaa gggggagata gagaatctgg 420
agaagaggat gaattatttg gagatgacgt ttaagaacag tggggagaat ctggaggcta 480
ttttgaagtc tggacgggcg tga 503

<210> 21670
<211> 690
<212> DNA
<213> Aspergillus nidulans

<400> 21670

gttcactatg gatatggagg cggaatggt gtgtctagaa atctcctctg cttgtggttg 60
ccagttactg acaacctgac aggtctcggg agtcaaagga gcgaagagct gcttcagcta 120
caaagccggc cgtctctggc cgtacaagtt catttgtggc ctgctcaaga agtgtatagc 180
caagggggcc aacttgcaga cgaacacccc cgtcgtagat gtatctgagt caaacaacgg 240
ctggatagtg aagacagagc gaggattaat tcgagccaaa cagggtggtct tcgccactaa 300
tgcctatacc tctggcattg cggccgagta tgcagacaaa atcgtccccg ttcggggcat 360
ttgcagccgc gtcgtggtac cgaacccgcc acatcctctg agcccgactt tagattcctc 420
atacacggtg cgcacaaag agggaatcta tgagtatctg gtccctcgcc cagacggaag 480
catcattatt ggtggtgcca gatcagtcta tgtacacgac ctgaagaact ggtataacgt 540
cacagacgac agccgtttga ttgagccagc agcgcacac tttgagggct acatgcaaaa 600
gtatttccac ggatgggagg atacaggagc atacactgac cgggtatgga cgggcagtaa 660
gtgaaatgat gtctatcata tattgagaga 690

<210> 21671
 <211> 825
 <212> DNA
 <213> Aspergillus nidulans

<400> 21671

```
aacagacggg ggttcacaaa acttgggtgaa ggcaagcaca cggacaaggt tctggacaat   60
caaagggacc gaagaaagga cagggaggat ctgtcgtttc gtcgcttttc tcgaaaaatc  120
cgcgaccccg caacgctgtg gaggaagaca agaacgacga gccgatggaa gatgcgaagc  180
cgactaacgc cccgctcatt gacggactgg acacattcac gaatcttggg ttgtcgcta  240
ccctcgctgc acacctgctc acgaaactcg aacttaaagc tcctactgct atccaaaaag  300
cgtcaataac gcagctcctg aaggaagaga cggatgcgtt catccaggcg gagactggtt  360
ccggaagac actggcttat ttactccac tcgtgcagcg gattatggct ctttcgcgcg  420
caaagaacga aggtgatgcg aagggtgaca cgagcgtcca tagagacagc gggttgtttg  480
cgattatctt agcaccaca agagaactgt gtaagcagat ctcggttgtc ttggaggagc  540
tgttgcgctg tgcgattgg atagtcgctg gaacagttat tgggtggtgag aagaagaaga  600
gcgaaaaagc gcggttgcgg aaggggctga atattcttgt tgcgacacct ggtcggttag  660
cggatcacct agaaaacacg caggcattgg acgtgagcaa tgtacggtgg ctggtgctcg  720
atgaaggatga tcggttgatg gagcttgggt ttgagaagga gttgcaggag atcattagca  780
aacttgatgc ggggcagcgg ccgagtcgga ttctggtgt tccag                               825
```

<210> 21672
 <211> 385
 <212> DNA
 <213> Aspergillus nidulans

<400> 21672

```
gatctacgtg gttactcgga ttcggttga tatggcactg gccattagag cccttgcct   60
ctgtgtactc cgagatcatg agctctgcc tggcggaatt gatgcattgg atcagctttt  120
gcatgattat ctgaccgagg aggtgttctt ggcacaagcg ggaaccgggg atgatattca  180
ttttctgac acagctggca ttatatggct gtgatggcta catgctgctg ggcacgaaa  240
tgcactaacg ggggacatgc ttgtggatac tgaatgatac tactgggttg aggcgatgct  300
```

attattgggc atgaagtctg atatggcggc gctgatagct gaggatacat acataggtaa 360
 gaatgcgaaa ggcgaccgct tgacg 385

<210> 21673
 <211> 430
 <212> DNA
 <213> Aspergillus nidulans

<400> 21673

cgtgtagtct gtatgagcta atggatgtag gcgcgaggat cctcgtaaca aactcggatc 60
 aaatgtgcga gaatatcatt gtggcgggcc tcttcgtgca aataatcttc ttcggtttct 120
 ttgttacctg ctcgttcata ttccagcgtc gaatcagcag caacgccaat gcgctcggga 180
 acgccagcac aacaccatgg ctaaagcact tgtatgcgct atacggctcc agcatcctga 240
 ttttgattcg gtccatcttc cgcgtggtag agtatctcca aggggtgggat ggctatctgt 300
 tgcggaatga agcattcata tacgtgttcg atgcactgct gatgtgggtg gtgctagtga 360
 tcttcgtggt catccacccg agcgaggtga attgtcttct gggccggggg cgtgttatga 420
 taaccaaagg 430

<210> 21674
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21674

tgctcagcct atatcgacga tgtgcttgtc tataccaatg gggacctccg ccagcaccgg 60
 aagcatgtat gaatggtctt gaagaaactg gaagaagcag gcctatatatt ggatattaag 120
 aagtgcgaat ttgagtgcaa ggagacaaag tacttgggct ttataatata ggcagggaag 180
 gaatttaaat agacctagag aaggtaaaag caataaagga ataggaaacc cctactatta 240
 taaaagggtg ccaaggattc ctgggctttg ctaacttcta ctaaagggtt atccctaact 300
 tctcagggat catataccta ctaaacaact tgacaaagaa aggaataccc ttcttataga 360
 ctaaggagtg ccaggatagc tttaatctgc ttaagaaaaa gtttattact agacctatcc 420
 tagcaacctt caacctttcc tactatatag tagtagagac tgactcctca gggtataata 480
 caggaggagt tctttcttaa tataataaaa aagggaatt gtacctatat acctacttct 540

ctaaaaggaa ttctccagct gaatataact acaagatcta tgacaaggag ctacttataa 600
 ttatataata ccttgaagcc tgggatgctg aactgtactt atatagagaa ttctaagtta 660
 ttataaatta taaaagccta gaatactttt tctccctaag aaaattaata gaataatata 720
 tataatagtc cttatttctt agctagcttg attttaaact agtatataga aaaagatcag 780
 ctaactaaaa agctaataata tttttataaa aaaattaagt tatacctaata aataaagata 840
 acaggcttaa 850

<210> 21675
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21675

ggaactcact cccgaagtgg aacgtcgagt ttcagaactc aacttctacg acgcctgtgt 60
 cggatggaaa ggaggtccct tttgtgaact tcatcgcta tcgggacccct cccttcgcag 120
 ccaagggcga tgtgggaaga ttgaccctcg tcgcccatta cgatagtaaa tacgagccta 180
 aaggctttat cggagccatt gatagcgctg ctccgtgcgc gatgattatg catgcgatgc 240
 gcagtatcga cgaggccttg acaaagaaat gggaatccgg ctctcctgac gattatctcg 300
 agtaccacgg aatccagatc cttttctgga cggcgaagaa gcctttaaag catggactga 360
 cactgattct ttgtatgggg ctcgctcaact tgcgcaacac tgggattctg aagtaaattcc 420
 agcaatatcg gtctacaaaa cgccgctttc atccatatcc ctgttcgttc tcttggactt 480
 actgggttcc aaaaacccaa taattcgctc ttattatcga acaacgcact gggcctatca 540
 gaagctggcg aatgttgaac gtcgccttag ggatctaaag atgttcaagt cgaacggcga 600
 gacctggttt cctgacagct caacaaatga gcggcaatta tcttattatg gtagcttggg 660
 ggatgaccat gtccattcc tcaaacgtgg agtggacgtc ctgcacgtca tcgactactc 720
 gccacgcgc ggtggatttc caagtgtctg gcacaccatc aaggacgatg ctgaacacct 780
 ggatatcgac acggtagagg attggagtct tctaattgct ggttttgctg ccgagtggat 840
 ggaactggaa 850

<210> 21676
 <211> 850

<212> DNA
<213> Aspergillus nidulans

<400> 21676

tttcgatgct agcccactaa ttacagcaca gctttccccc agtattgcac gagtggttcg 60
tggagatggt ccctgagact ggtgcttggt ttgccgctag gcttcgctat actcggtcat 120
gtgctgtaat gtccatggtt ggatatgtcc tagggatatg tgatcttatt gaatcaagct 180
taccttgcta accgtccact ctacagccta ggagaccggc acggtgaaaa catactcttt 240
gaggaaggca ctggtggcat cctgcatgtc gacttcaact gtctttttga caagggtgat 300
tgtctcgatc ttcttggaact gaccgaagac cataactaat cacgtgcatt taggggggga 360
cgttcgataa gccagagggtg gtgccatttc gcctcacgca gaatatgatt gacgcctttg 420
gtgcttacgg gtataatggt tagtcttcac taatgcagat taatgtcctt ttttatttaa 480
cattcatagg tcattccga aaaacatgtg aactcagtct cgatctcctg agacagaatg 540
aagacgccct catgaccata ctggaaacat ttttacacga cccgacgact gattttattg 600
gcaaaaaggt acgtatctca cctttgctta ttaaggcata gccaatatta acaccatcaa 660
gcgacgaact catgcaaatg tcccggatac tcctgctggc gtccctcgaaa atgttcgtaa 720
caagctccgc ggccctcttc ccggtgaatc ggtcccaactg tcagtagatg gtcatgtcga 780
tgaactgatc atccaagcga ccgatgaacg gaatctcgcg gcgatgtaca ttggttggtg 840
tgctttcttt 850

<210> 21677
<211> 597
<212> DNA
<213> Aspergillus nidulans

<400> 21677

tgctactggt gttgcggtat tctttttatt gttgtttctt gtgtttttta caatattggt 60
atactttagc gtttgctttc ctttctgttg ttggaacttt tttttgggtc attcatgtgt 120
gtagatatct tggatgttta tagtttctgt tttttttgtt atgactttta ttctgtcttt 180
cttgtcatta ttgtattttg attttggtgt attattgtat ctcttcctct tttcttaatt 240
actctatctt ccctgtttgt ttttttttct ttactatatt tgtttattta ttttgttact 300
tattttttcc tctgtctatt ttatatcttt tatctaattt ttttattttt tctattctct 360

tctttatcat attctttttg ctttgttttt ctctgttttg taatttttta tatttgttct 420
 ttctttatta tttctataat tttcaagtat ttattattat tttattattt ctcatctatt 480
 ttaatatattt ttgtttgat tttttatttt tatattttta taagtgtaga tatttttttt 540
 ttattattat gttttttttt tttttatttt tatgttcttt cctcacacac tctttat 597

<210> 21678
 <211> 793
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21678

gggatcaagg aaaggcggcg gcgggacaca acccaacaca gagagagaag ggagagaaag 60
 ggaagaaaaa agacaaacga ccgaaaaaag accaaagaag acaaccacaa gaaagcaaac 120
 aaggaggacg aacggacgca aaactacacc gccatggcaa gcgtgagaca aacaacacag 180
 cgccaaaaaca acgaggagcc aacaaccaag aaagaacaaa acgcagcaag gccaaccccc 240
 gaaagaacag aaaaaaacca ccccaaaaaa ggaaggaaca aaggacagac aaggctaagg 300
 gcaaacaggg cgcacacaaa caacaacaaa aaaacgaagg agaccaacag cccccacaaa 360
 aacaccaaga gaacacacaa aaagaacgaa cgtcaaaaaa acaaaaaccc gccgaacagc 420
 caccaaaagg agcaaaaccc acccacaaca acacagcaga ccctatcaaa cacacaaaca 480
 accctaacac ccaaactcaa aatcggcgcc ccgcacacac gagaagagca caatcaaact 540
 agaacgacaa aacacccccca ccgacagcaa cacaccaaaa aaaataaacc aacacccaaa 600
 cgccagaaaa aaccggacaa caccagccaa gacaacaata ccaaaaacca gctacacacg 660
 accagacaca caaagccaaa ccacacaaac gcaacaagaa caccaaccga acggcaaaaa 720
 tcaaccgacc agcacacaaa ctaccacca caaagacgcc atcacaacc accaacaaaa 780
 cacacactca aaa 793

<210> 21679
 <211> 597
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21679

cacactcaat caacgccgac agacgcaagc aatgacaacg ataatacctt cctcgctgca 60

tcaatagacg gtactattag ggtgtgggac agacggcagc catccgccat cgcccgcatc 120
 actccccgca attctccgcc ttggtgcatg aacgcctgct ggtccccaga cgggaattac 180
 atctacgccg gtcgccgcaa cggtacggta gaagaatata gtcttcacaa gggctctccgt 240
 gagccagaac ggaccttcaa gtttccgcag ggaagtggac ctgtgacggc tctcaaggca 300
 atgcctaattg gtcggcatct cctttggtaa gtagccatcc ataataatga aaatggaagg 360
 acattatcta acaaaaccag cgcateccat gatatcctcc gtctatacga tcttaagcac 420
 gaacaggcaa cccgccactc aaccgttcct ttcctcatca ttcttggtca ccgcaccggg 480
 acagtctcgc agctatatgt cgatcaagcg tgcggttcc ttgtctcaac tagtggtaac 540
 agagggtggg aaggtagcac gacggaagtg ctgctgggat atgagattgg tgttcct 597

<210> 21680
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21680

acaagacgct ctggatatac aatattggat gtgagttcct gccctccaag gacggctcga 60
 ttcgtcgccg ctaacagcta tgctcttgct ccagttgtcc ttccatttc cacgtttatt 120
 gtcattactg ttgcttgctc agctcgctcg gaagtccacg ttgactcgaa ggaaatatgg 180
 gcgataatga cgaatggatc cggttggtca gacggcatat ccttcttaac cggcttgctca 240
 acgccccagt tcatgctgtc cggcattgat gccacgctcc atcttgacaga ggagtgtctt 300
 gaccccgaaac gcgtcgtacc aaaggcgggtg ctggccaccg tcattgtagg gtttctgact 360
 gctttcccct ttgctatcgc gatcagctat agctaccgcg acgttgacaga gtcgttgctc 420
 accaactactg ggtgagtatg cagtcgacct ctgcccata tacctcccag aaagtcccta 480
 attggcggcc aatccaggtt ccctatcttc ttcattctggg aaaaggccac tcattcccca 540
 gccgccgcaa ctgtgttcat ggcttgcta tttgtcatct catgtgttgc atttaacgct 600
 gtgcaccaga cagcttcgag acttacctgg tcctttgctc gtgatgacgc cctcttcttc 660
 tcaaagaaac tctcaccgct ccaccattcc ctcggtgtgc ccgttaatgc gcttggtgctc 720
 gatggaatac ttgtcttcct cgtcgggatt gtctacatat gtcctcaac aggtacgcca 780
 gtctctcaca acctactgtc ccagaaatcg tgtaagttaa cagtgaatat agccttcaat 840

tccttcatca

850

<210> 21681
<211> 769
<212> DNA
<213> Aspergillus nidulans

<400> 21681

aacttattcc ccacatggat gggctgggtca actacatcat tatgcaacag cagagccaga 60
tcgacccgga actgaacctt gatgcggccg agttttggct ggttgccgggt gaacaggctg 120
cggtacaaca acccctggcg cctcatatgc ccaagattgt tccggtgcta ctacagagta 180
tggtatatga cgaggaggaa gctattcggc ttgccgggga aggcgaggac gctgacgtgg 240
aagatcgtga ggaagatctg aaacctcagt ttgctcggtc gaaggccagc cgtatggatg 300
tctccaaagc cggcggacag cagaacggga atgcgtcggc gcaggcgccg gaggatgagg 360
acgatgattt gagcgaaggc gaaatcgagg actccgagtt tggagacgat cctgaggatg 420
aatggacttt acgcaagtgc tcggccgctg cactggatgt cttctcgaac gtctaccacg 480
agcctatatt tgaaatcatc ctgccttact tgaaggaaac cctgcgtcat gaacagtggg 540
tgcagcgaga ggccgctgtt ttgacgctcg gtgcggtggc cgacgcgtgt atggatgccg 600
ttactcccca ccttctgaa cttattccgt acctatttc attggtgaac gacacgcagc 660
ccgttggtgc gcaaactact tgctgggtgcc tcgggcgtta ttctgaatgg gcttccacat 720
cgcagacctg cggacgtgct aggtttttcg aaccatgatg gagggcatt 769

<210> 21682
<211> 368
<212> DNA
<213> Aspergillus nidulans

<400> 21682

accacgtggt ctcttttatc tttcctttgc agaaggcggc ctatgtactt ctatttggat 60
tcatcaacat ctggaccgtt atgattcacg atggtgaata cgtcgccaac agccccgtta 120
tcaatggagc cgctgtcac actatgcac atctttactt caattacaat tacgggtcaat 180
tcaccacttt atgggatcgc atgggtggca gctaccgaaa gcctaacgaa gagctcttcc 240
gccgtgagac aaagatgggc gaggaagagt ggaagcgaca gaccaaggag atggaaacta 300

ttctcaaaga tgttgaaggt gatgatgacc gcaaatatct cgctgaggaa gatagcaaaa 360
agaacctg 368

<210> 21683
<211> 850
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 21683

tacctattca gaagcgatca agcatctgac ggagctccta tacttttgcg tcacgacact 60
cactggaaac cgaacgctag gagaagagta ttgtgacctc gttcagttag aagatgacac 120
actacgacta ccatcaattg gaagacgtgt cggatatatc ctcagcagca taatgggtacc 180
atggacactt cagegaatcc ttcttggtt cgggaacgt ctccgcgcca aactggagcg 240
cagattgcc aggcaacaat tgaaggcaca gcaggcgaag gattcgacaa aactccgtta 300
agaacaagtc gaacagcccc ctttcttacg aactacgaat tcagaatata ttctagagca 360
tctagattcg atcactttctc tgtcgccaat atatgcccta agcatagcga ctttctactt 420
caccggctca tattaccatc tgtcaaaacg tttctgggga ctccgctatg ttttcacgaa 480
aaaattagaa gagaacgaac agcgcgtggg gtatgaagtg ttgggagtct tactcgctct 540
acaaatagca gttcagagta ttcttcacgt caagaaggtc agccacagcc tgcagtcgga 600
ggaccaagac gtacactccg aaacctctgg atccagcagt aaagaagata ctttgacctg 660
ctcgatcgaa catccagcct tccttctgt cctccccgtg tctaccgcga gatatgacct 720
ctcgggaagat ccgaacgcaa tcccttgat ttcagatgga cagcaggcaa gtgtacactc 780
tggttgagt cattcaggac ccgagtgtac tacttgtgnc acgtgttttg ctggcatgct 840
tgtgtgactg 850

<210> 21684
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21684

agggttcgga cgttcacaat tctcaaccgt ggtgagcgac agtacatggt gtctacggaa 60

ccggcgaggt gtattgggtt tagggactcg tatcttttct tccaaaaaca caagctactg 120
tacaagatca ttatcgacga cgatgccaaag cgcgatttga tcgagagaga cattatcccc 180
cactcctaca aaggctcgcg ctttgggtgtg gtgaccgctc ggtctgtgtt ccgggaattt 240
ggggcctaaaa tcatcgctcg tggccggaaa gttattgatg attatcaagc tcaagctgcc 300
agagaacgtg gcgatgtgga gggtagctc gctgtgccgg aggacaagct cccccgccca 360
ggagaaccct acaacaagaa ccaatatgtg gcatggcatg gtgctagtag cgtttatcat 420
accagcacgc ctgctgttcc tatacctggt actggaaagg tggtagctc caagaaacgg 480
agggttactg ttacaggaga caactggatg ttggaacacg ctcggaagc tgcgtaagtc 540
aatatttcc caattctatc cagaacggtt tactaattat atacagcaac ttcaatgccg 600
tcctatcaca tacacgccag cagaacctcg gaggcgtcta tgacattcac acgaacatta 660
tacactatcc caagattatg caaccaacgc acgctcgttg ggagagagta cctccttccg 720
acgctcgggg cgccaataaa cttacgaaag aaatgtcaac gctcacgttg tcgaacggcg 780
ttgtcgaaca ggagaacgct ccggcagaac cagaaacgga aatccaggac agcaagccgg 840
ccggagagac 850

<210> 21685
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21685

cgcgagccta cgtcgacccc acaaccogta tgtctctcat tcttgggacc gggacgaatg 60
tggccataca tttccccgtt cacgctattg ggctcggaaa gtttggcaag aggccacaag 120
gctggttcga ctacgctaag catgtcatca tcaacagcga gatgagcatg tttgggggtg 180
gagttctgcc aatgacacgg tgggacgaca tactcaaccg caccacctc aggccagact 240
accagccact ggagtacatg gccacggggc gctacctcg cgagattgtc cgactcatca 300
ttgttgacgc agttgagact gcccaactgt tcggcggaga actgcctcat tcaatgcggg 360
atgcgtattc attagatact agcatcgttg cttttatcga agccgacaca tcgcccttcc 420
taacagcacc agccgcactt ctccagaaag aacacacaat gtctaggccg ccatccccgg 480
aggacctacg gtttctcctg cgagtatgcc gaaccatctc caaacgagca gctgggtatc 540

tcgccactgc tatccacagc atgtggtgcc tgcgaaatga agccgaaatc tcccaggggc 600
ctccgtcgcc ttctttcaag gggcctcggg acgttaccgt cacggagagc gggagcaact 660
ctgactgcct gtccattgca tgcgacggca gcgtcatcaa taaatatccc ggtttcagag 720
atcgctgcca agcgtatctg gaccaattga cgcaggagac aaatacgtcc aaggatatccc 780
agatttcaga ggaaggctca tgcatacgtc tggagcctgc tcctgaagggt gccatattcg 840
gcgcagctgt 850

<210> 21686
<211> 739
<212> DNA
<213> Aspergillus nidulans
<400> 21686

ggtcctctta gcggcaaagt agcagtcggt actggcgctt cgtctggtat cggagctgcg 60
gtcgcgacgg ctctggccag agaaggcgcc catgtcgctc tcggtgcccg ccgtttagat 120
gcattggaat ccctgaaaga gaagctctct gctagcggcg tcaaggttgt cacttgcaag 180
accgatgtta ctgacaggaa gcaggtcgag ggtctcgtga aggcagcaac cgaggagcta 240
ggtccagtgg acatcctcgt ggcttgcgct ggcgtaatgt actttacaat gatggccaat 300
acccaaatgg acgagtggga gcggacagtc gatgtgaact gcaaggggat tctcaactct 360
cttgcateta ctgtaccgga aatgctggcg cgcggtaagg gtcacgttgt ggcgatttct 420
tcagacgccg gtcgcaaggc ctttccagga ctgggagtat attcggccag taagttcttc 480
gttgaggcaa cccttcaggc actgcgtttg gagacggccg gtcaaggctt gcgggtaaca 540
gccgtacaac ctggaaacac agccaccgac ctcttgggca tgtcaaccga tgcagaggcc 600
atcaagaagt acggctgagc catccggggc acagatcttg gaccccgagg atgttgccaa 660
ctccattatc tacgctctcc gccagcctga acatgttgcc atgaacgaga tcctgattga 720
gccgcgagac gagccaatc 739

<210> 21687
<211> 850
<212> DNA
<213> Aspergillus nidulans
<400> 21687

ctgcaacaac tctctccgca cattgccgca ttctcctaac ctacaatggt ggcggtcccg 60
 aagaggcaaa aactacaaat taccggataa agggttcgtg gggtaagatt ctcatcgcgc 120
 agcctgcgga aacaatagag gaaatggcgg agattcggat ggcagtggta gggaaatgtg 180
 atgctggaaa gagtaccatg ctcggtgtcc tcgtgaaagg aggcttggat gacgggcgtg 240
 gtaaagcacg agtgaatctc ttccgccaca agcacgagat tgagagcggg aggaccagct 300
 cggtcggtct agagattatg ggctttgata gccaggaga gatcgtgagc agctcgcagg 360
 gccgaagct ttcttgggaa gagattggca aacggtccgc taaagtcac tccttctctg 420
 acctcgccgg tcacgaacgt tacctgcgga cgacagtctt tggcatgctg agcagcaatc 480
 ctaattattg ccttctaatt gttgcggcca acaatggcct tattggtatg agcaaggaac 540
 atctgggcat agccctggct ctgaacgtgc cggttatggt cataatcacc aaaatcgata 600
 tctgcccccc tcagattttg caagagacta tctcccagtt gactaagatc ctcaagtcgc 660
 ctggagctcg gaaaatccct atatttgtga aggacatgga ggagacaatc aacactgcca 720
 cgagtttgt ctctcaacgg atatgcccta tctttcaggt ttctaacgtg actggagaga 780
 atctggagct tgttcggacg ttcttaaaca tccttcctta ccgcgacag tataatcctg 840
 acgcgccctt 850

<210> 21688
 <211> 627
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21688

aggtctgggt cagtagccgg caaccatggc cctcgaaccg ttcaaagacc aacggcttcg 60
 gcctgggcgg caggaaattg gatggataag caacggcaat tcttacaggc atatgagtac 120
 ctttgccata tcggagaagc caaggagtgg attgaagagg taatccagca acagattccg 180
 cccatcgtgc aactagaaga agccttacgt gatggtgtca ccctggcgga gatcgtacaa 240
 tcaatgtacc ctaaccggcc gttgcgaata tttagacacc cgaggctgca ataccgacac 300
 tcagacaata tagccttatt ctccgggttc ctcatgaag ttgagctacc ggagctcttc 360
 cggtttgagc ttattgacct gtatgagaag aagaatattc ccaaagttat aactgcac 420
 cacgccctgt cgtgggttgc tttaaaaag gggcttgcg actttcggat gggtaaccta 480

gttggccagc tgggaatttga gcaccatgaa cttgagcaga cccagaaagg cctagacaaa 540
gctggcggtta gcatgccgag ctttaccggc aaaaaaccaa ttttggcgct gagcctgaac 600
catgaacccg agccggaggc ggagttt 627

<210> 21689
<211> 569
<212> DNA
<213> Aspergillus nidulans

<400> 21689

ccaaatgaag actttccaac acttgacgag gtgacgcga gaatagtcac tgacgtccac 60
aagaacgtca gtgaccggac catctggctc aagaacgggt atgactgggt ggaatcgttt 120
cccaagtctc catatttggt cgacatctac caggacaggc tcgacctga cgcgagctac 180
caccggggccc taactcgcgg caacggcttc gacaacatca cccgcacctt tccggccccg 240
gtaggcgagg ttctcgagat cgtctggcag aaccgaggaa cagtcgagaa cggcggcgtg 300
gacgcacacc ccttcacgc gcacggccgg cacttttacg acatcggcgg cggcgacggt 360
ctctacaacg cgacggcgaa tgagatacgg ctacgcggaa cccatccgat ccagcgcgac 420
acatcggtag tctatcggta ccgctcaaag accagccagc tcgtcccctc tggctggcga 480
gcgtggagga tccgggtaac aaacccgggg gtttgatgt accattgcca cgtgctgcag 540
catatgataa tggggatgca gacggtgtt 569

<210> 21690
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21690

aatgatttgg atacctgtat gtccaatttt gaggatgcaa gggctcagac taactgatgt 60
ttctagatgg tcggccctgc gctgatcgac aatgggtgga atgctacgcc cagcttgctg 120
ggacagtcct gtcccttggg atgccgctgc gctggacgca gcaggcgatg cagcggaagt 180
ccccgaaca ttcgttaatc ttgcagatgc ttcgatcaga tcggtgagtt gagagtcttt 240
tcatcgatgt cattgacggt cgttactgat cattccagat tgaaaacctc cccacacaaa 300
accaagcagg cccacagtct ctgcagaacg tcttgagcgt gtgctccgcc ggtcaaaatc 360

ggtatctgct ccattttgac tcgtatgact ctttgataca ttgggcggca gcgattcgcc 420
 tggctatgta cgaacatacc tgcctctacg aagcgtatac tggctccatt attgccgcga 480
 aaggcagaga attgaataac atcagaacta tcctggagcg gagccggttt aaacatgaag 540
 attgggctcg tgtgagggtt ggagccggaa cccctggcg gcggtgctgg tttgtgatca 600
 ctccgccaga tgaaaaacag ctccagaagg caaagaagac catgaagaaa aaatccgcct 660
 atgaccgtgc gccgaggcta gtaataggga acatcaaatt ctatgaaaca aagaagacga 720
 agaaggtcaa gcctatagca acaatcacog atgcctactg tgcatacgcc atctatcccc 780
 aatcgaaagc cttgatcgac cagtcaacgc tgatcaagat tgaggggaag gtcacccctc 840
 ataacagtag 850

<210> 21691
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21691

cgtctaccga tggcagcctg atccgcttcg atcttcgagg acctaaacac cttacatcag 60
 ccctcagctt cgaccttgag ctatagtgcg caggagccag cggacactgc acgatactac 120
 ccaggatagc gaggcaaagt tgagacgatt ctatgcgtct tgttggtccg tcgatgctga 180
 agagccgact aaagattcga ttggtgtaaa gctcaccacg ggtcccgttg tactctcttc 240
 ccaagttgta ctttaattttg tctctctgat atcgagggcc aaaggtcatt aggttcgtcc 300
 acatgttctc aacatggcct cccttgatgt tggatcatt gttgcctggg aggcgctatt 360
 aaggtcactt ctaagcccgg gactaggggg ggacctttct cgcttggtgc acatctcgaa 420
 cacctttgaa cccgtcccag gtatggaacc gcttcgcgtt ggcgatctac tgaagacaac 480
 attacgcatt accgcggtaa caataaagcc actgggaaaa ctggtcgagg ttaccgtggt 540
 gattaaacgg gaagaggcat ccatcatgaa aatcacgtct gaattcctca tacaaggcca 600
 atttccccat catcatcaga gcttcccatc ctgagaggcc aatgagtggg ctctaccttt 660
 ggactccccg aaagcagtgg ttttactacg aagcagaccg tggttcaage cagatgcaaa 720
 gtgtccagag cttcttgaca agactctcct attcaggatc acgtctcaat cgagcaagat 780
 gtcactttga atactagtgg tgcggtgtcc cttgtcgtca atgggagaga gcagactctt 840

gcattggaaa

850

<210> 21692
<211> 794
<212> DNA
<213> Aspergillus nidulans

<400> 21692

tggttaccag gggttgatag cgttgcttc cataactcaa tctatggatc cctcaccggg 60
ttcttgggcc tcgacggaat tcttctgctt ggttacgata ccccgattga cggaccagaa 120
gcctggaatg taatgggtgat gaccaatgac atgataaacg cgaataccgg taaatttgac 180
ccgcgacaca tgtttggtgc cacgaaccag gatgtttttc gttggccagc catcaaacag 240
ggtatcgaac gccaaactcct ggcatgttc attacaacac ttcacctccc ggggtattcca 300
atattgttgt ggggtgaaga gcaaggtttc tatatcttgg acgccactgc agacaactat 360
gtctacggcc gccaggcgat gtcaccagcc acagcttga aaacccatgg atgcttccaa 420
ttgacagcag atcagtacca caactggcct atcagcaaag gacgtgaagg ctgtcatgac 480
gagacagtaa cctatgacca ccgcgaccgg tctcatccgc tccgaaatat catcaaacat 540
atgtaccagt tgcgacaaga ttaccagggt ttgaacgacg gatattctgt ccagaaactc 600
tccaatcaaa cccgccagat tttctatcca ggctcgaacg gaacggctac ggagaccgga 660
atgtggtctg tcttacgaga ctcatgttac aagatccagg agctacacaa cgagcaaccg 720
gtttggcttg tataccagaa tgacaacaag acggtggaat acaattttga ctgcagtgat 780
aatgacacgg cgtg 794

<210> 21693
<211> 653
<212> DNA
<213> Aspergillus nidulans

<400> 21693

ctgggaatgg actggcagca gaaggctcag cgcaagcgag atgagcttgc aggaaaaatt 60
ccttcgggat ggcgaatatc gtcagacctg ttaaagaagg ccgatgagct ggacaatatt 120
cttgatattc ctgcacagag cggcatcctg accgagcgcg agatcgacat cacggaaagc 180
tcagatgcta ccgctctgat ctgcgtctg aaggatggtg aaatcagtgc ttacgaggtc 240

gcagtcgctt tctgcaagcg agctgccata gccagcagc ttacttggtg tctgacggaa 300
atcttcttcg atagggctat tgagcgcgca aaggagctag atcgtcaata cgccgtaact 360
ggagagctcg tgggaccttt gcacggatc ccatcagtc tgaaggactc ctacaatgtt 420
actggtgttc agtctaccct tggctacgtt tcgttcctgg atcgacctgc cctgacgttc 480
aacagcccgga tggatgaatat actcttggac gcgggcgccg taatctacgt gaaaaccac 540
ctgccccaga cgatgatgac ggccgattct cacacaaatg tgtttggccg aaccgcaat 600
ccatatggtc gaaacctgac ggataacggt agttgcgacg gcgagggcgc tca 653

<210> 21694
<211> 558
<212> DNA
<213> Aspergillus nidulans

<400> 21694

tcatgggctc attatttctc tacatctaga tatccgtcat aagttcgaag agctggaata 60
catgcaagga actcgaatct tggaggggtc ccgggcgaac gacccctcgc accgttgggc 120
gctcgacgcg gatcccgaag tcagggttag gaatcgatat gcgaatgtac aagcgtgggc 180
gaattctcgc atacacctac gggttcctga aggcgaatgt gattttataa atgcatcgcc 240
tatcgtcctt agggattcgg tttcgcaaga ggaaaggaaa tatatcgcaa cacaggtaaa 300
tagcgacatt gtctggagtg gaagaataat gctcaatcga cgatagggtc ccaggctaga 360
cgacctctac cacttttggga atatggtttt ccatgaaacc ggagaagtgg cagtggttgt 420
catgcttaca caaacgatgg aagcgggtcg cgagaagtgc tcccagtact ttccgctcga 480
gatcgaaaat ccgatgtatc tacggcagga caacagcaat ccccatcttg aaagtgaaca 540
gcaagagttg gaagcttt 558

<210> 21695
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21695

ctgggtcata ggggaagaca aaactctcaa ccctaaggac tatttcatta tcactctgct 60
ctatttggca atggccagtc gacttcgccg tcctgttacc ccgtagaagg agagtggccg 120

gaagtttctt tctacgacaa cgtgcgcgcc cagtataagc ttgtcactgg gcacttttggg 180
 ataacacacc tgcgtgcggt aatcgggttg tcaatgggcg gagcccagac ttaccaatgg 240
 gccacgcaat atcctgactt tatggacctg gcggtaccct tctgcgcttc ggccaagacg 300
 tctcttcaca accaggtatt ccttgaaggc gtcaagagcg ctttgctagc ggcaaaaggt 360
 atccaatctg cggggtctgg tcaaggtggg gtccttgtgt ctgggcatac tctgaggaca 420
 tggaacgatg ctgaaaaacg agtcggcctg aaagcatttg gcaggggcta tgctggctgg 480
 taagactcgt ctgcttgagc cgggtgtcgt gattctaacc ctcagctact ataaggggtt 540
 tctctcaagc gttctatagg gaaaagctgt atgaaaccgc cttgggttat gcagacctcg 600
 aagactttat gcaaaatttc tgggaggcgt gggctctatc gaaaggttca acaagtctct 660
 cacggcagat tgacattcta gctaactgcg aattctcaat ttagaccggg gcaacctcct 720
 agcaatggcg caaacttggc aaaatggcga tgtcagcaag caagagccat acaatggtga 780
 ctttgaggca gccttggcag caatcagggc taaggttttg gtgttacctg caaaaaccga 840
 tctatacttc 850

<210> 21696
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21696
 tacttttttg ataaccggct gtcctccgg cttagggtc tctctaacc gtgtcgccca 60
 agcgccggc cacagagtca tcgcaaccag tcgtaacccc tcacgaacac ccgagctagt 120
 cgacgaaatc gaaaacgagg gtggaaaatg gatgcggctg gacgtggaca atccggacag 180
 tggtaatgta atcgacgagc tcgaaaggag cggcgagcag atcgacgtcc tggtaacaa 240
 cgccggttac gctatttacg caccatcga gaccgcaact gaggaggagg tgagggcaca 300
 gatggagacc atgtactttg ggcccctgcg tctgattcgt gccgttctgc cgtatatgcg 360
 ccggcgaaaa tctggtgtta ttgtcaacat cagcagcgga gcttcgctgg acgggattcc 420
 caccatgggt gtgtatgcag gggcgaaggc tggcttggat ggtatgcga atcaggcaca 480
 aataatgcac tttttctgtg atctgtagct aatcgaatct tatacgaaag cctcaaccag 540
 gatcctggcg aaagaagtcg ctcctttcaa cgtccgcacc ctcaccgttg ttcttgaac 600

cttcaacacc aacatgctca gctcggtagt gacgggcaag actccacttc cggacgacta 660
cagtgcgaca atcaccgaac aagtccaggg gctgctggca agcgggaaga tcaggcccaa 720
cggcgacaag gacagagcaa tgaatgcttt gtaccaggtt attgtgggca aggaatttgg 780
taatggtcgc gagactgaga aactccttcc tctggggagc gatatggctc cgaggttcaa 840
gggagttcag 850

<210> 21697
<211> 729
<212> DNA
<213> Aspergillus nidulans

<400> 21697

accataaagc gcggcatcga ggttggtgac gtcaagttga acctcgagca gatgatggcg 60
gccaaggaca cctccgtcga gggattgacc aagggtattg agtttttgtt caagaagaac 120
ggcgtcgact acgtcaaggg taccgggtgcg ctcgttgacg agcacaccgt caagggtcaac 180
ctgctcgagg gtggagagca gactctccgc ggaaagaaca ttatcattgc cactggaagt 240
gaggctactc ctttccccgg cctaaacatt gatgagaaga gaatcatcac cagcactggg 300
gctctatctc tgaaggaagt tcctaagaag atggctcgtca ttggtgggtg tattattggg 360
ctggagatgg tatgctccct ctccgctata gtccttctag tactgataat gtaggcctct 420
gtctggtctc gcctcgggtc tgaggtcacc gtcgtcgaat tcctcaacca gatcgggtgg 480
cccggcatgg acgccgacat cgccaagcag gccagaaga tcctgcagaa gcagggcatt 540
aagttcaaga ccggcaccaa gggtaccaag ggtgacgaca gcgggtgctac tgttgctctc 600
agcgtcgagt ctgccaaggg cggcaaggag gagactttgg atgctgatgt tgttcttgtc 660
gccatcgcg cagaccata cactgagggt cttggactcg agaacgccgg tattgagaag 720
gacgagcgg 729

<210> 21698
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 21698

aaagatcaga gggctccctc ggtgcogtca cgtgggaagt ctccogctca aatggcatcc 60

aegteccactg gcagttccta cctgtgccag cagacctcat caagcgcggc ctcgttgagg 120
 cagccttcaa agttgaggcc gagaacctta agtaccctaa gttcgaatca ccttcggcct 180
 cgtcatcgtc actgccgcaa ccaggatccg agggcctaga cccagcgcgt gaaccaggcg 240
 actttcttcg cctttggatc tggaatcctt cgccttctcc tgaggttgaa aagagtaatg 300
 acagcaccgg gtccgaaaag accctgctcc tcccccttgg caatgacttc cgcttcgacc 360
 tgcaatttgg gcgccgcgtt atggcaaac tcatgcagct tgagaagaga atcaactgga 420
 aagatgatgt acagtcgcag gaggaagagg aggctgattc ggcggcattt aaagaggcat 480
 ttaaggcggtt tgattttaca 500

<210> 21699
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21699

cagctgcagc cgcactctac tcttctatgg ggaagccttt agtggatctt ttcgttttca 60
 actaccaact ctaccgctcg ttggggccat tagcccttag tggaattctc actggatact 120
 ttagcaccgc tgttgtcctg cgtaaacctt cgcaccggtt tggaaaattg aaagctgtgg 180
 agggcaagaa agaaggtgat tttaggggct tgcattcaag attgctcgca aatgcggagg 240
 aaatatcggt ctatggtggt gccgatatcg agcgtgtatt ccttgccaga agctttaagg 300
 accttcagcg atggatggaa gggatctaca gtttaaagat ccgctataac atgcttgaag 360
 atgtgattct caaatactcc tgggtccgat ttgggtattt gattacctct ttaccggttt 420
 tccttctctg atggggcggt ctagggcgcg ccatggagct ggcagacaca tctgaagtca 480
 gtggccggga acgcggtcgt atgaaggagt tcatcacaaa caagcgattg atgttgtctc 540
 ttgctgacgc cgggggtcgg atgatgtaca gcatcaaaga catctctgaa ctggctggct 600
 acacctcgcg ggtgtatagt ctcgttttcg cccttcacag ggtacatgca aatgcctatt 660
 acccaccaca tgacgtggc tcagagctat attcactaga ggatgtccag ggaacgattc 720
 acattggttt tgatggggta cgctttgaac aggttactgt cgttgcgccg tctctttatc 780
 cccgaggtgg agacgaactt ctogagtcgc tctcgttcgt tgtacattcg ggcgatcacc 840
 tcctcaattc 850

<210> 21700
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21700

```

gcggcagctg agtcggatat gcatgttttt gtcatggggtt tattacttgg tacgtcgtcc 60
gcgcattcca ttacttgctt tgcgattggg ttgaagacgt gtcatatgg ttaatgggtga 120
agccgaagca aaaggccttc ggtacatcta ccgcaccggc gccgcattcg tctcaacgcg 180
ccttggcatc cctcaciaaac ctcccattac aaaagcggaa ctgcaacttc ctaacccccca 240
gcaaacaggc ggactcgttc tcgtagggtc ctatgtgcc aagacaactg cgcagctcaa 300
ggtcctcatt gagcgtcgcg gcgatcttct ctccgtgatt gaaatgcggg ttgaagatct 360
cattgagtcg aaagaaaagg cggcagaagt gattcagagt gtcattacgc agacagagag 420
ctatctaaat gccgggaagg atacgcttgt catgacaagt cgggcgcttg tgaaagggtga 480
cgatgagatt tcgtcgctga agatcgggtc gagagtcgca gaggccctag ttggtgtcct 540
ggaggggata gaggtgcggc caagatatgt tattgctaag gtatttgctt tccactcgaa 600
accatgaag taaactgacg cgggattcgg aaaatagggt ggtattacat cctccgacgc 660
agctacaaaa ggtctccgga tgaagcgggc cttgattgtt ggccaggctg cggcgggtgt 720
gccgctttgg aggtgctacg aggagacttc ccgccatcgg gccgtgccat ttgtggtctt 780
tccgggaaat gttgggagtg aatctacact gtatgaattg gttgaggctt ggagctgagt 840
agacaattag                                     850

```

<210> 21701
 <211> 585
 <212> DNA
 <213> Aspergillus nidulans

<400> 21701

```

atcgcccgca attaacccta ctaaagggat cgacctctcg agaccctgct gacctggctt 60
gattcgacta gacaatccgg ccgcattgcg tcaacattgc gttccgcttt ccaatcgcac 120
cttcacacat atctgtacc acatagtaca atcagcattc acgtctctgt tttgtcgtcg 180
gacggctcgg ttctcgccgc cgcagtcaat gcctgcacgc tggcactggg ggacgccggg 240

```

ataccgatgc cggggttgct gtgcggatgt acagcagggg tgagtggcag tgcctcgacg 300
ccaagagatc cgatgaacga caccctggac cttttgttgg atgtctcctt accggaagag 360
caagagctcc cattccttac tgttgcaacg acctcggctc ctgccgttat gacagatggc 420
gatgaagatg acatgaaagt ctcgatgctg acaatggatt caaaagtgca ttacagttat 480
atcgagacga tgctgggctg taggggtgaa tgggtgtaac aggtccgtaa aatcctcgac 540
agtgtgatca aaggatcgag ccgaagggtga tgtggctttg ttgtt 585

<210> 21702
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 21702

cctagtttac cgccgtaaaa acaaacctcc ttaagatcag cagaatgact ccgcaccgct 60
tcgatcccaa attcacagac aatgtcgtca acgctatggg caaggatgtc gaccgcgggt 120
ttcgacaact catggcctcg ctaatccggc atgtacacga ttctgcccgc gagaacgaac 180
tcaccgttga cgagtggatg gctgggggtac aacttatgaa ctgggccggc cagatgagca 240
ccgcaaagcg gaacgagggg cagatggttt gcgatgtaat cggacttgag tcgtacgtca 300
aatctatctc ccctccctta ccgggacttc tgtacaagcc tgtagggaca agcgttgatt 360
gaaacatgga tagcctcgtc gacgagataa ctttcaaact agctgacgaa gccaccgacg 420
caccaacggc gaccgcaatt ttagggccct tctttcgcgc tgacaccctt tccgctcaaa 480
cggcgaaaga tcgtcaagac 500

<210> 21703
<211> 557
<212> DNA
<213> Aspergillus nidulans

<400> 21703

gtctcacaac gccgtatgcg cagacgagag agctggcggt tagttttgcg ttccttgcca 60
cggcagtgaa tcataccctt gctaaagcta gaaaacgcgc cggagaaaca ggcttatcag 120
atgaagagcg tgtctttcta gcccgcgagg tcatgcgcgt gacgttcgag cacctcgcgt 180
cacggactat catcgactg gaatcgctgt gccagtgggt tccgctcgtc ccaaataatc 240

ctaatagacaa gccggcaaaag ccgctcccga gcagtgtccc cgtatcaaca ctgctcgttt 300
 ccggcggtgt tgcggcgaat aagttcctaa tgcattgtgt gaggacgtgg ttggatggac 360
 ggggcttttg gcatgtaggt gttgtggcgc cgcctattag tctatgtaca gataatgcgg 420
 cgatggtggg ctgggcgggg attgagatgt ttgaggcagg gtggaggagt gcgttcgagg 480
 cgagggcatt gaggaagtgg gggcttgagg agggatgatga gaggacggg ggtgaagatg 540
 ggggtcaagg gatactg 557

<210> 21704
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21704

tcgaatgaac aagccactga cgcgagttct gtcctctgct tcaacgatac gcaaaaccct 60
 gataagctat ttcagcacgc tcttgatgta gagttggata agatatgcgc tttctaccgg 120
 tcgaaagaaa gagaaatcta tgaagacgtt gataatgtta tgaaagatgc ggaggaatac 180
 acggctaagg ccgacggggc cgagatgaat cccatgcagg acagcatgca caaaggaagg 240
 agagtggagca ctggatccat tcaagaccat tctgccgagt ttggtctagg taggcgccaa 300
 agcatgggaa gcgaaccagc tgccgacgac gacgaagata gcgatgacga gcatcctacg 360
 acacgcccta cactaggcca gtcacggagc gcctaccctg gccctcctga tgataaccgt 420
 acagaggata tgaggagttc aatttggaac gattctaggt atgctccaaa cagccaggcg 480
 gtcgttcggc gaggcaacca gaatgagcac ctcaccgatc ccgcgctcct ggacctttac 540
 aactcggctg cttcccttaa aaaacggatt atcgcagtct atgtcgtctt ctgcggactt 600
 aagtcctatg tccagcttaa caagactgga ttttccaaag ctttgaagaa gtacgacaag 660
 atcatcgacc gcaatctccg tcgagagtac ataaactcaa gtgtatcccc agcttaccct 720
 tttctgtcct caactatgga aaatatcgag ggttttattc gtcagatcga gactttatat 780
 gcggagttga ccacaaacgg tgatctttct ctggccagac gcgagcttcg tttgcatctg 840
 agagagcatg 850

<210> 21705
 <211> 850
 <212> DNA

<213> Aspergillus nidulans

<400> 21705

cagcagtatc tccaagatca tcgcaagat catctcaggt actgggctgg tatcgtgaat 60
cagattgaag agcgttgtga catgaacgct ttgctgaacg aacgcagtcg gtacaagatt 120
caactggcgg actatgacaa agtggaggat caacaacaat taactttaac agtccttgat 180
gcttcttggc taagcaaatt gcgcaaaaca tgctctgcgc aaggcattac attgcactct 240
attctgcagt ttgtttggca cgcggtattg catgcttacg gtggcggtac tcatactgtc 300
actggcacta ctatctcagg gaggaacctg cctgtgagtg ggatcgaacg atctgtgggt 360
ctctacataa atacgctccc actggtaatt aatcagttgg cctataagaa taaaaccgtc 420
ttggaggcta tccgtgatgt gcaggccatt gtaaattggca tgaacagccg gggaaatgtg 480
gaacttggcc gtctacagaa aaacgagctg aagcatgggt tatttgactc gctatttgtg 540
ctggagaatt atccaatact ggacaagtcc gaggagatgc ggcagaagag tgaattgaag 600
tataccatcg aaggcaatat tgaaaagctc gactatcccc ttgctgttat cgcgcgcgag 660
gtcgacctaa ctgggggatt caccttcacc atctgctacg ctgagagct tttcgatgag 720
attgttatat ctgagttgct ccaaattggc cgggacacgc tctgcaagt cgcaagcat 780
ttagatgacc ccgtccgcag cctagagtat ctgtcatcag cgcaaattggc tcaacttgac 840
gcatggaatg 850

<210> 21706

<211> 728

<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 21706

gaccnagct tcggatctac tgactgcagt gcggtggcgc tccgactgct aactcgaggt 60
actggaactg tccgatcaag agtaactatt tgctggcatg acatgctaag aggatcgaag 120
cggctatctg ctagegcctc gcgatggcac ctcttttttg gcgcgagga gataccagt 180
caaggctggc caacgcgcaa cctattcttg cgccaattaa agagaaaatg ttgaatgctg 240
ctcgttctgg aaaccagggt gaggcacaaa agtggagagc ggagatggct aagaccaacg 300
ccaatcttgg tatcgtaccg cgcaatacgt tcatgccgtt agtattccag ctccctatcg 360

gtttcggttg cttccgtgtt atcgagggta tggccggttt gcctgtgccc ggcttggttg 420
 cggaacagtt cgcgtggatc aatgatttca cagtcgctga tccgacctat atcctcccca 480
 ttctctgctg tactgtcctt catctaagta ttagggtagc tggcccccca catacgtctg 540
 agtccattgc taattcgccc ctgtatagaa aggaggtgaa acgggaagca gcatgtctgg 600
 cgacatggcg acaatccgga agggatatgat gtacggcatt cctgcgttct ctttcttctt 660
 cgtagctttc ttccctgctg cgttgcaagc gtacttcctc accaccggtt tctcgggtct 720
 gctccagg 728

<210> 21707
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21707
 ggtttgtttt tagggctttg ccaatctgca agcgcgtctt gagcgtatgg cacaagcgct 60
 gcgaccgcta ttcgttacag ttacttgggg tgccggagga agcactgcag cgaggctcgct 120
 tgagttggcg gagatctgcc aacgccaact acagctgaca acatgcttac atttgacgtg 180
 cacgaatatg agtcgagctt tagtggacca agcactggag gaagcaaagg tattggggat 240
 taggaacatt ctggcggttg gtggcgaccc cccgcgaggt gaagagtaca atatgcatgg 300
 ggaggacgac agcaacaagg acttcacctt tgccgtggat ctggtccggt acattcggaa 360
 aaagtacgga gactatttct gtgtcggcgt tgctgcgtac ccggaaggcc accctgccga 420
 ttctttccag gatatccagg atccgaaggt cgatttgccg tggctggttg agaagacaca 480
 ggctggcgcc gactttatca tgacgcagtt gacatacgat attgacgcct atacggaatt 540
 tgagaacctg ctgcggaacc atgaatccgg cacttttaag acgattccca tcattccggg 600
 cttgatgcc attcacagtt ataaaatatt gacgcgagta acgaagctta gccacgtcaa 660
 gatcccgccg cctattcttg cgaaactgga cgagggtcaaa cacgatgatg atgccgtcaa 720
 gcgtctgggt gtggatatcc tcgccgagct tgtggatggc atgaagaagc tgcccactcc 780
 aggettacgt ggattcgatt tctataccct gaatcttgag aagactgttt ccttcattct 840
 agaacgatgc 850

<210> 21708
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21708

```

cgtagtcatc ggctgcatg ggatccattc caaggtcaaa cagtttggtc tcggtgcgga    60
cgagtacgca gctactcagc ctcggtactc gggaatgtat ggggtaccgtg ccgtgctgga    120
catggagacg atggtggaag ccgtcggcga ccatcgcgcg cgcgtctcaa ctatgtatgt    180
tggcgacgga gcgtatgcgg tcacataccc gatcaaacgg gcaaagaagg tgaacgtggg    240
catctacccc ttacactcgg aatgggaccg ggagagctgg gtgcggccgg cgagtaaaga    300
ggacatgcac aatgacttta agcatatggg gcgcttgata aacagcttaa tcgaggtgag    360
ccgttcccca gtttgtctcg tcggcaaatt ccagtccaag ctgggcgaga tcaggatatg    420
agctaaccac ggcgggggtgt tgaagtacat gcctgatcca actcagtggg cgctctacga    480
gcacccgcac atctcgacgt atgcgagggc ccgagtggcc attctgggag acgcggccca    540
tgccctgacg ccgcaccagg gggccggagc gggccaggca atcgaggatg cgcattgctt    600
ggccgagctt ttgggggatg ccagagtagc gactgcagac gatgtggctg ccgcattcaa    660
ggcgtacgac caagtgcggc ggccacgcag tcaacgagta gtaacgagca gtgccgagaa    720
cgcgtacctg ctttgtctgc ggctagatgg ggtgggtagc gacgaggaga agttaagaa    780
gacactgcaa gagaggctgg cgtggctctg gaatgaggat gtacatgagc aggccgagag    840
ggcgaggagg                                     850
  
```

<210> 21709
 <211> 483
 <212> DNA
 <213> Aspergillus nidulans

<400> 21709

```

atacgtcagg ccattgagaa ccaccgacga ttcaagtcag aagacttgaa gctgcggtca    60
acctgctccc acattcacat ccatattgac ctggatcccc ccagcaaaga gaagctgtca    120
aagactgaaa ttgccgctac cagctcagac cccttctctc gcctcaaggc tcttaaacgc    180
ctgcttccag acatccaagt tctcgccac ccgcaagcta accgtgccat cattcgtacc    240
gacgacaaat cggatactaa caccctctc gtcgaagggt acggtctccg ccagtgcatt    300
  
```


aacacagtcg gtatcgacgg cctacgcacc agatccaaca acgtcatgga aactcgtgag 360
 gtactgggta ttgaggcagc gcggtcaaca atcattcagg aaatcagcga ggtcatgaag 420
 gacatggaca tcgatccgcg tcatatgcag ctcttgccg acgtcatgac ttacaagggt 480
 gaa 483

<210> 21710
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21710

aaagcatgtg atcattaaat gcctcaggca ccaacacagt ctcaacatta catcagttgc 60
 ttctcattat ccggaagaca ttctatccaa aactgttcca atcagtataa cgacccatga 120
 accagtctga atctcaatat gagcccgact ttccttggg aattgggtgtc ttcgacgctc 180
 attgccaccc tactgacacc atggcgagca tcgccgatat acccgcgatg aaagcaacga 240
 cacttacaat catgtccaca cgagctgacg accaagacct ggtctttcaa gtcgcaactc 300
 agcttgccaa agaatcaggc gatgggaatg aggacgcacg gcgcgttctt ccctgttttg 360
 gctggcaccg gtgggttttcg cacctgatca tggacgacat aacaccgtcc aaagatgatc 420
 aaaaggaaat tgacgagaac accaaaaagt cacactatag ccgaattcta aaaccatccc 480
 cagatgaggc tttcacatct tctcttccaa ccccatacc cctctcgcag ctctatcag 540
 aaacgcggtc aagactacag gccttccctg ctgccctcgt cggcgaaatt gggttggatc 600
 gagcctttcg actaccccag ccctggacgc aagaggagca cgacgcccga gatggcgcgga 660
 tgacgcctgg gtcgcgcgag ggccgcggc tttctcccta ccaggtcagg ccggagcacc 720
 agaaagctgt tctggaagct cagttgcgtc tggccggagc attgcagcgg ccggtgtctg 780
 tgcatagtgt gcaggcacat ggggccgtga ttgaggtctt caagggcctt tggaaagggc 840
 atgagcggaa 850

<210> 21711
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21711

accagacgat gtccagctac cgccaaaatg ggttctacga cttcgagacc aggaagccgc 60
 ttcggaggat gtcagtcccc ctgatgcaat gggcgcgga gtaacagggg attttcctga 120
 ctcgtaccgt ctcgacaatg accatcgggc actacacgat agcttgacgg caactctcgt 180
 ccagaacaaa cgtgtgaccc cgcagacgca ctggcaagac gtgcgtcatc tgattttgac 240
 tgtctccgat ccattttcat atgctccagg ggacgtatta acgataaccc cgaagaacac 300
 tgctgaggat gtccaaagtc tcattgagat gatgggctgg caggagcaag cggaccagct 360
 cgtctcttta gtccctcgcg atagcactcg ttcgacgaat gaactgcta gtccgccccat 420
 ccacagcctg gattcctacc cgcgactgac cctgcgcgaa ctacttatca actacttaga 480
 tattagagca atccccgcc ggtcattctt cgcagcaatc gcacactaca ccacatatga 540
 gatgcacaag gagcgattgc tcgaatttac caatccggag tatcttgacg agttctggga 600
 ctacacaacg cgcccaagac gtagtatcct tgagatcctg cacgagttcg acaccgtcaa 660
 gatcccgtagg cagcatgcaa cgtccacggt tccaatcatc cgagcgaggc aattcagcat 720
 cccagtggcg gagaactgaa gcgaacttca gtaggcgggg caagattcga acttttaatc 780
 gccatcgta agtaccgaac cgtgatcaag aagatacgag aaggagtctg caccaaatat 840
 attccaatc 850

<210> 21712
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21712

catcctttgt ggatgacctc atatcgatcat ccgccgagct actgcagtct ctttcccgcg 60
 agccagacgc caacaaactg tatccgaagg gtctaaatgt catgcagtgg ctccgggaac 120
 cagacactca gcccgatgtc gattaccttg tgtcagcacc ggtcagcctg ccgttgatcg 180
 ggctagtgca gttggcgcat ttgcggtca cctgtagggg gcttgggaag gaaccgggtg 240
 aaattcttga gcgatttagt gggactacag gtcattcgca gggcattggt accgccgctg 300
 caattgctac agccacaacc tgggagagct tccacaaagc tggtgccaat gcattaacga 360
 tgctcttctg gattgggtctg cgaagccagc aggcatatcc tcgaacatca atcgctccat 420
 ccgtgttaca agactcgatt gagaatgggg aagggaacac gaccoccatg ctttcaattc 480

gtgatctacc gcgtaccgcc gtgcaggagc atatcgacat gaccaaccag catctcccgg 540
 aggatagaca catctcaatt ttactcgtca acagggcgcg taactttggg ggtactggtc 600
 cccctttctc gtttatggcc ttaaccttgt ttgcgcaggg tcaaggttct cacggcctgg 660
 accaaaatcg ctttccctta tccaaggaaa gtccgtttgg taacctttct tcgatacggc 720
 ccttttcaat gccaaacctt cctggttttg tgtttttggg ggttggggga gtggtttccc 780
 gaattctttc atttcgttta tttccaaatt tttttttggg cgaatttttc aaaagctcgt 840
 ttggtttatt 850

<210> 21713
 <211> 714
 <212> DNA
 <213> Aspergillus nidulans

<400> 21713
 ggtttctgt tagaatcctg ctaatcctac cagatgggcc ctaataacca tatgctcaca 60
 tttcccgtca atggcggtaa gacctcaac atcgtcgcct ttcatacaac ccccgacacc 120
 tggaccgacc gtactcgcct gactcgcgac ggcacacgcy aagaagctct tcgcgacttc 180
 gcaggttacg gacctaatgt caccaagctc ctcaaactct gtgaccccaa gctcagcatt 240
 gtacgtactc ccacccccgc aaataacctc gatttcggcc acaggaaaca ggaatcacta 300
 acagcgaaat agtgggcaat ctttgacttg ggcgtccatc ccgttcccac tttccacaag 360
 ggccgtctcg ccatctccgg tgacgcgcga catgccacat ccccgcacca cggcgccggc 420
 gccggctact gccttgaaga cacagccgtc cttgctacgc tcctctctga cccgcgcgtg 480
 caaaataaca gcgacattga gacagccctg gctgtcttcg acgcctgtcg ccgcgagcgc 540
 acacagtggc ttgtacagag cagtcgggtc atcggcgatt gttatgagtg gcgcgctgag 600
 ggggtgggac gcgacttccg gaagattgag gaggcgatta atcgccggaa cgcgatcatc 660
 acggatgctg atgttggcgg catgtgtagg gaggcgaagg agatgttggg gcaa 714

<210> 21714
 <211> 346
 <212> DNA
 <213> Aspergillus nidulans

<400> 21714

tgtgtcgaat gtaagatctt ttctttccaa ttttgcctc tcgtttcttg aagggaag 60
 aaaggctcac agtcaccggc aggctacaaa aggtcttgcg gcggagtacg gcccacacaa 120
 catccgagtc aacacagtgt caccacttct ctcggggaca ggctgttta gcatgttcac 180
 tggcatggag gacacggagg agaaccggca gaaattcatt gggaatgtgc ctctgggccg 240
 gttgactgac cctgccgatg tcgcgaatat gtgtttgtat ttggcaagcg atgaggggag 300
 cttcatcaat ggtacggaga tgctggttga tggaggaaag tgcgtc 346

<210> 21715
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21715

cgtgtcctac ggtgaggcgt accatgggta ctggccgctc gatctgtaca gtctaaacga 60
 ccatttcgga acgcatcagg atctgctgga tttgagtgcc gccctccacg agcggggcat 120
 gtatctcatg atggacacgg ttatcaacaa catggcgat atgacggatg gagatgaccc 180
 tgctaagaac atcgactatt cggcggtgac cccgttcaac aagagcgagt actaccatcc 240
 gtattgcaag atcaaggact ggaatgacta ccatgatgcy cagtgggtgcc aagccgaaaa 300
 caataagggt gccctccctg acctatacac tgagcgtaaa gacgtgcagg acaccttgat 360
 cagctgggcy aaaggtattg tgaaaacata ctcgattgac gggctgcgca ttgacgctgc 420
 caaacacgcy aacaccgggt tcctgaagac atttagcgac tccgtcatat gtacgtgacc 480
 ggcgaagtcc ttcaacgcy agtcgacatc atctgcaact acacggagaa ctacattgac 540
 agtgtgcccc actaccaat ctactattcc atgctggacg cctttacca agggaacact 600
 acctcgctgt accaccaggt cgagaacatg aagaagtcct gtcgcgatgt caccaccctc 660
 gtatccttct ccgaaaacca tgatgttgcy cgcgtgccga gcttcaatga tgacatggcy 720
 gtacgtaacc ctccctcacc gccactcatg ccctctatct agaataagaa ggaaaaatag 780
 aagaaaggag aatcattaca ctactaaatg aggacattcc atgcatatac agctcgccaa 840
 aacatcctca 850

<210> 21716
 <211> 467

<212> DNA
 <213> Aspergillus nidulans

<400> 21716

gagagcgttc attccacgt cgagcatggt gatcgcgaaa gccattcag ctacgagtac 60
 ggcagatgaa tcggagagga taatctgcag aagaaatacc tggacggtgg aatgcagctc 120
 gctcacccat ctgggaaacc tgttgatgtc ctacttagcc cgacgatgcc acatgttgcc 180
 gtgcctcacc ggagcgtgcg ctgggttggg tataccaaga tctgaaatct ccttgattac 240
 ccggccatca ctttcctgt ggacagagtt agggcagata aggatgtcct tccgccagac 300
 tatcggccga gaaatgacct tgatgcatgg aattggagtc tttatgacgc cgaggctatg 360
 gagggccaac ccgttaacct gcaggtaatt gggaaacggc tagaggaaga gagcttactg 420
 ggggctgcta cagtgattga gcggatttgg cggagttagt cactttc 467

<210> 21717
 <211> 606
 <212> DNA
 <213> Aspergillus nidulans

<400> 21717

agcacgttac gttacggccc ttgctttatt ccgccagatt gctcccgccc ttcctgttct 60
 tgccaagctc atttacatgc ttgatgacga ggtcctcatt gatgcatgct gggctatctc 120
 gtacctttcc gatggtccca atgagaagat ccaagccgtc atcgaagccg gcattccccg 180
 tcgccttgta gagctcttga tgcacgcctc cacctctgtt cagacccccg cccttcgttc 240
 cgttggcaac atcgtcactg gtgatgatgt tcagacacag gttatcatca attgcggggc 300
 tcttctgct cttctctccc tccttagctc aacaaaagat ggtatcagga aagaagcttg 360
 ttggaccatt ttcaacatca ctgccggtaa ctccagtcag attcaatctg ttatcgatgc 420
 tggatcatc cccccgcttg tgcactcct tgccaacggt gactttaaga ctgcagggg 480
 agcttgctgg gctatatcca atgccacaat ccgggggggt gagaagcccg accagaccg 540
 cttcccttgt actcaggggg gattaagcct ttctgtggcc ttctagcggg ccctgataac 600
 aagatc 606

<210> 21718
 <211> 778

<212> DNA
<213> Aspergillus nidulans

<400> 21718

tttatcgtga ttaattaccc aaatactcat tgcttcaga actcagctcc cggcatccga 60
tgacagcgaa ccaagacgaa actacttcac tggccccgcc cgcacattag gtggtgagga 120
cacaccaagc agagtgattg atactccgag tgggcctgct cagcctcaga ttcctcgacg 180
tgtgcggcgg acgctccatt tctgggcgga tggtttttcc gttgacgatg gtgaactata 240
tcgctccgac gatcctcaga atgccgagat tctgaatagc attcgacagg gccgcgctcc 300
gctgtcgatt atgaacgcgc agcatggcca ggatgtggat gttgagatca aacaacatga 360
cgaaaaatat gtcaggccga agcctaagta ccagcctttt gcgggcaagg gacagcgact 420
gggtagcccg acgcccggga ttcgagcacc tgcaccctcc gaaccagccc cagcgcctca 480
atccagctct ggacctcca agccaaatgt ggatgaatcc cagcctgttg tcactttgca 540
aattcgactc ggcgacgga cactcttac ctcccgttc aatactactc atacaattgg 600
cgatgtttat gattttgtgt ccgctgctag tccccagagc caggctcgcc cgtgggtgct 660
tttgacaaca ttccctagca aagaactcac tgataaggca gccgtgctgg gtgacctgcc 720
cgagttcaag cgtggaggag tggttgtaca gaaatggcaa taaaccacgg caatgggc 778

<210> 21719
<211> 587
<212> DNA
<213> Aspergillus nidulans

<400> 21719

agggagggttc tacttggcat cacaggcaga gactttgtca ttctagcagc gtcaaaggct 60
gctatgagag gcccgactat tctcaaagct gaagatgata agacaaggca actgaacgag 120
cacactcttg tcgctttctc cgagagggcg ggagacaccg gttcgttcgc gcttatatat 180
ttttgagctt caacaccaga aaactaatcg agggcccat tacagtacaa tttgccgaat 240
atgttcaagc taatgttcag ctatacaca tgcggaatga taccgagctg tccccgaatg 300
ccgtcgcgaa ctttgttcga ggagagctgg cacgaagcct acgttcgcgg aaccctaca 360
cagtcaatct cttttgggt ggtgtagacc ctatctctca gaaaccacac ctttactgga 420
ttgattatct cgcgtcattg gccagtgttc catatgccgc ccatggctat gctcagtact 480

actgtctatc aacccttgac aagcaccatc accccgacat caccctggaa caaggcatga 540
agaatgttag aaatgtgcac agatgagttg aatcggcgcc aaccgct 587

<210> 21720
<211> 772
<212> DNA
<213> Aspergillus nidulans

<400> 21720

atgaagctgc ttgctctttc cctggcctcg ttggcctcgg ctgccaccat cactcgccgt 60
gccgacttct gcggccaatg ggacactgcc acggcgggta acttcatcgt atacaacaat 120
ctctggggtc aggacaatgc cgatagtggc tcgcaatgca ctgggtgtgga ctccgccaat 180
ggcaacagtg tctcatggca tacgacctgg agctggtctg gaggtcctc cagtgttaaa 240
agctacgcga atgctgcgta tcagttcacg gcgaccagtg tgagcagttc gagctcgatc 300
ccgtctacct gggaatggca gtaagtcagtg taaacttcgt ctccggttt tagcggttat 360
taatgcggtc aacaggtact ctacgaccga tgtcgttgcc aacgttgctt acgatctctt 420
cacgagctcc agcattggcg gagactctga gtacgagatc atgatctggc tggccgctct 480
gggcgggtgcg ggccctatct cctcgaccgg ctcttccatc gcaacggtaa cccttggcgg 540
agtcacctgg aacctgtatt ccggcccca cgggaagcatg caggtgtaca gcttcgtcgc 600
atcatccacc actgagagct tctcggccga tctgatggac tttatcaatt acctcgtgga 660
gaaccaaggc ctgtcgaaca gccagtacct gactcacgtg caggccggta ccgagccatt 720
cactggctcc gacgccacct tgactgtttc ctcttactca gtctctgtct ca 772

<210> 21721
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21721

gatgacatgt tcaaacttga tgttgaaaag agagaatggg ctctcaagcc tatgaactgc 60
ccgggtcact ttgtgctatt cggccaccgc gagcgaagct accgagagct tccgctgcga 120
atcgcggact ttggtgtttt gcacaggaac gaggcgtctg gtgctcttca cggctctacc 180
cgtgttcgaa agttccagca agacgatacc cacatcttct gtaccacga tcaggtaaga 240

tgctttgcaa agaatgtatc ctacagacct gctgacgagg acagattgaa tccgaaatcg	300
aaggactctt tgacttcctg cagtccatat atggactgtt cggcttcacc ttttaagctca	360
agctttccac tcgtcctgaa aagtatctgg gtgagcttga gacgtggaac tacgccgaag	420
agcagctcaa gaaggccatg accaagttca agggcgacga ctgaactatt gacgaaggag	480
atgggtgcttt ctatggctct aagattgaca ttacgattgc tgatgctctc aagagagagt	540
tccagtgtgc caccatccaa ctcgattacc aggcaccctt taacttcaag ctcgagtaca	600
tgactggcga aaagaccag gctaccag aggaagcgaa gaaggaggct gaccccaagt	660
ccaacgagcc cgcacccggc cgtgcccggc ccgttgctcat tcaccgcgcg atcattggca	720
gtttcgagcg gtttttgggt atcatcaccg agcactttgg cggcaagtgg ccgttctgga	780
tcagcccgcg tcaggtcctg attgtacctg ttatgccggc tgtcaatgac tatgcacggg	840
aggtccagaa	850

<210> 21722
 <211> 589
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21722

caaaatatgg atgatacctat ttcccacccc tactatccca tcgatgcgcg aatcatcgac	60
tacacgcccc atgaaacttc tgtgcttggc ttaatatgta ctgcaggcgt aagctgcgca	120
gtactattag gagcagtatt actgctgagt atatgggtgc ggcccaatct gaggaaggcg	180
gaccggtttg ccattttatg gtttgcctc tgtacgagta taccgaacct ctgttgctga	240
tgtegcctta accgttgaaa ccacgcagcg ggcaactctt actgcctatt tgaaggctac	300
tttatgatca atcatggctg tatgggatca gtcaggact tctttgggtca attgtggaag	360
gagtacgcgc tctccgattc gcgctacttg acgtctgaca ccttagtgct atgcatggag	420
acaatcacag ttgtaagtca gttcataccg gcttccgtaa aatatcttgc tgatattatc	480
tgaaagcttc tttggggacc attatgcttt ggggttgctt attcgatcct ttttaatcac	540
tcgatgcgtc acccgctgca gataattcgt ttgcatggcc catttttac	589

<210> 21723
 <211> 850

<212> DNA
<213> Aspergillus nidulans

<400> 21723

gcaactggct ctcgcgcgca aaggggggtcc gggatgaaat gtgccagctt tacgggcagt 60
acctggacct tgtggactcg cggcgcaaaa aggttggcag cacgggctcg ttcattggata 120
cggtgcttga ccagaatgag aagctcggcc tcacgcgcca tcagctctat ttcctcggcg 180
gtgtcctcat ggagggtggc tctgacacgt cgagttcgat cattctggcg ttcattcacg 240
ccatgacaaa gtggcctcag gttctgaaga aggcgcaggc tgagatagat agtgtcgtag 300
gcgaagacag aacgccagtc tggtcagact atggctcgct gccctatggt ggggctacag 360
tcaaggaggc catgagatgg agacctgctg tcccgttggc gttcccgcat gcagctgctg 420
aaggttggtc ctccacttct cccacaccct tcagcttcgt tgtcgatcgt aatgctgaga 480
atgtgaacca gatgactggg ttgacggcca tttcataccc aaaggcagct cggatcatcat 540
cagtggctgg ggcatgcacc acaacgaagc ccggttcggc aatccttcag tcttcgatcc 600
agaccactac aagggtcaga cggcccttgc gcctgaatta gctaattgctt ctgattacac 660
tgcgcgcgac cactatggtt acggcacccg acgcgcgcat tgcccgggca tccatgttgc 720
cgagcggaac ctgtttctgg ccatttcgaa actcatttgg gccttctcta tcgagcccgg 780
agtggatgag agtgggaaac tgatcgagcc ggacttgcac ccaacgaccg gatatagtga 840
agggtttttt 850

<210> 21724
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21724

ccaggctatc gaaaagtcga acttactcct caaactaggc gcaatagttg accgcgtgcc 60
tccagcacct atagttgaga aggacaactt cgtaaaccgg gcaagagcac ttgcgcaacg 120
acataccaat tcgacagcgt cagaatcatc agttggtaca gcctcccaa ggggaagggg 180
ttactttgcg gaccaattcg agaacgaggc gaactggcga gccactaca atggcaccgg 240
cccggagatc tacgcccagt gcaatgggtc ccttgacgcc tttgttgcag gggccgggac 300
cggaggcaca atctctggcg tggctctata tctcaagccg aggatcccca acatgactgt 360

ggtagtagcc gatccccaag gtagtgggct ctataatcgg gttcgttacg gagttatggt 420
 cgacactaag gagaaggaag ggacacgtcg tcggaggcag gttgatacta tcgtggaagg 480
 cattgggatc aaccgcgtta ccgcaaattt cgaggcggga cgggaacttg ttgacgacgc 540
 tgttaggggtt acggacgcgc aggcactggc aatggctaga tggcttggtg aaaaggacgg 600
 catctttgcg gggagtagca gtgctgtcaa ctgtgagttt cagttagatt ttcaattcct 660
 cgcataatta acctcaaaac caggtttcgc cgccgtcaaa actgctttga aactggggcc 720
 cggccacaga atcgtcacia tgctgtctga ttcaggctca agacatctct caaggttctg 780
 ggcaaaagct gggaatgtgg gcggcgctgt ggacacaaag ttggaggacg tcctgaatgc 840
 gaaagaagac 850

<210> 21725
 <211> 466
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21725
 gtgctgtgcg gtcttaacgg acccatagca accaacattc gagcgctgct tacgcctgct 60
 cctctaaagg aactccgatt gaaatcgcaa tacgtccaca acaaagaggt caaggcggct 120
 cttggtgtca agattgcagc caacgatctt gaacacgcca ttgctggctc tcgtctcatg 180
 gttgtcggac ctgacgatga cgaggaggat attgaagaag aagtcattgc tgatctcgag 240
 aaccttctca gcaaggtttc caaggatcag cgcgggtgtca gtgttcaggc ttctacactt 300
 ggttctctag aagctctgct cgagttcctt cgtgtctcta agattccagt tgccaacatc 360
 tccattggtc ccgtctacaa gcgcgatgtc atgatgtgcg gtacaatgtt ggagaaggcc 420
 aaggagtacg cggatcatgct ctgcttcgat gtcaagggtg ataagg 466

<210> 21726
 <211> 571
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21726
 ccctgctggt ggacttctgc cgacgtaagg ttgcccgcaa gcaactcttc gagctcgcca 60
 ccttcttcgc ttctgcgggc aagttcacct acatgcggga ttcttgccct tggaccaaca 120

tttccggcaa gttcgaggtt gctctccctt ctgccactca gtacgaattc tccggttagg 180
 atctcagcac ctcatcaagt cccgtgtccg ctatatgtt gagggttcca acatgggttg 240
 caccagggcc gccatcgaca tctttgaggc tcaccgcaac gccaaccccg gcgatgccat 300
 ctggtacgcc cctggtaaag ccgccaacgc tgggtggtgc gccgtctctg gtcttgagat 360
 ggctcagaac tctgctcgtc tctcctggac atccgaggag gtcgatgctc gcctcaaggg 420
 catcatggag gactgcttca agaacggtct cgagactgct cagaagttcg ctactcctgc 480
 caaggcgctc ctgccttccc tcgtcacccg ttccaacatt gccggtttca ccaaggtcgc 540
 cgaggccatg aaggaccagg gtgactggtg g 571

<210> 21727
 <211> 621
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21727

cactacttcc ccaatctctc gcacgatccg tcctcgctcg cctggctgca accaccatcc 60
 tctgaaccag acgaacctgg cgcctctcct tctctcgctt accaccctgg cagcagcgct 120
 gaagccgttc atcccgcatc tctacggttc tctttagttg gcaccattct atccccctca 180
 acatcccttt ctctaccaac aacctggga ctccatcatc acggtaaaga tctctatgcc 240
 gccgggtaca caattcccga actcgtatg ctacgcccgt cctcgttccc cgcgcaacgc 300
 tgcacgcgat ggcaggttct gggccgcatt ttatatcgtc tagggagagg acagttcggc 360
 gaacgtggga gtaccttggg tgaagggtc tggctctgtc ttgaacgcga aggggtcgtc 420
 gctggtatgt tacaggaggc ggattcgtcg aatgtttcgt ctactcgtac agacagggga 480
 tttggagccg agggagacga accacaagag tactctggtg taaataggag tggcgttgga 540
 cgtcacgcca gcgttcggc ttgggctgtg gaagccgttt gggttatggca aatgggcggt 600
 gctggcgata ggggaatcct g 621

<210> 21728
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21728

gcgaagaata caaaaagtgc ttgctccagt ccatgggtat ctgcacact gttgacacca 60
 aggtactttg aatttcttac atctctttta atttgtcatc ctaacgaatg caggtcggta 120
 acgaatttat tcgcggtggt tccggtgggt agcgcaagcg tgtctccatc atcgaatgtc 180
 ttgctactcg tgcattctgtc ttctgctggg acaacagtac ccgcggtctg gacgcgagca 240
 ccgcgctcga gtggaccaag gctatccggg ccatgaccga tgttctgggc ctatctacga 300
 ttgtcactct gtaccaggcc ggtaatggta tctacgatct gttcgacaag gtgctggttt 360
 tggatgaggg caaacagatc tactacgggc ccatgactca agccaggccc tacatggagg 420
 ctctcggttt tgtttgccgg gaggggtcaa acgttgcgtga tttcctgacc ggtgtcaccg 480
 tgccaaccga gcgcaagatc cgttcagggt tcgaggcgcg tttccccga aatgccgacg 540
 ccatgttaga agagtataac aaatccgccg tgaaagcaga tatgattagc gaatacgact 600
 accctgactc tgaatacgca aagctacgga ccgaagattt caagcaagca attgcagagg 660
 aaaaggcgaa gcagctgccc aaaagcagcc catttaccgt cgactttatg aaccagggtca 720
 agatttgcgt tacgcgacag taccagatcc tctgggggtga caaggccaca ttcattatca 780
 aacagggtctc gacccttata caggctctga ttgccgggtc gctcttctac gatgctccca 840
 acaactctgg 850

<210> 21729
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21729

actccagaca gcttgaggtc ggtcaagggt cggatgcgaa tgaccaaggt tctcagatt 60
 ggagacaagt tcgcgtctcg tcacggtcag aagggtacga ttggtatcac ctaccgacag 120
 gaagacatgc catttaccgc cgagggtgtg acgccggatc tcatcatcaa cccgcacgcc 180
 attccctctc gtatgaccat tgcccacttg atcgagtgtc aactcagcaa agtgtctgct 240
 ttgcgtgggt tcgaagggtga tgctactccg ttcacagatg tcaccgtcga ctgatctct 300
 cgtcttctcc gcgaacacgg ctaccagtcg cgtggattcg aggtcatgta caacggccac 360
 actggacgca agcttgtagc ccaagtcttc ctgggaccaa cgtactatca gcgtctgcgc 420
 cacatggtgg acgacaagat ccacgcgcgt gcgcggggtc cgacgcagat tctgacgcgg 480

cagccagtgg aaggtcgtgc tgcgcacggt ggtcttcgct tcggagagat ggagcgtgac 540
 tgtatgattg cgcattggagc tagtgccttc ttgaaggagc gattattaga cgtctcggac 600
 ccgttcagag tccacatctg cgacgactgc gggctgatga ccccgatagc gtaagtcgcc 660
 ctccgttcct gaattgttcc gtgcattgct aaccgagcgc aggaaattga agaaggggtt 720
 gttcgagtgc cggctctgca acaataagca ccggatttcg caggtgcata ttccgtatgc 780
 agccaaactt ctgttccaag aattggcggc gatgaatatc tcggctcgga tgttcaccaa 840
 tcggtccggc 850

<210> 21730
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21730
 ccgactacga gtatcccaaa aaagacattg atgaaatgtg ggaaggggtc cttctctgtc 60
 agtttcatga ctgcttgccg ggtagctcca ttgaaatgtg ttatgacgac tcagacgagc 120
 tatacgccca gatattcgag acgggattgc gagcaaggga ggcggtcttg gaggcgctag 180
 gatttagcat ggcggggaga gttccagtgg caattaacac cctgccttgg aatagatccg 240
 aggtggtcag actccctgca gacatggcca caaatggctc catgcatgct ctactgaacg 300
 ggggtcctgg agtcattccc cactcgcaag ccatagcgag ggtcccgag gtcagcgtga 360
 ccgagatcaa gccaggcgtg ttccgtctta acaacggaaa actgcgcgtt gatgtagaag 420
 acggtctcat cacgtctcta tatgatattg aagcagaccg cgaggttatt gctgctgacg 480
 gcagagctgg ccagctgggt atcttcgacg acaagcctct ttactggcaa gcctgggatg 540
 tcgaagtctt ccacctcgat tcccggaaag aattgcagtc tggcaagacc accatcgcg 600
 agaacgatcc ctaccgtgtc agtgtcgta ctgagacaaa aatcagcgaa aagagctggg 660
 tcaagacgac catcagctc gccgccacag aaggaaaccg accatcctac gtcgagctcg 720
 aaagcgaagt cgaatggcag gagactatga agttccttaa agtcgagttt cccgtcgaca 780
 tcacaaacac cgaagcgtct tacgaaacct aatacggcat tatcagcgcc ccaactcact 840
 ataacacaag 850

<210> 21731
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

 <223> unsure at all n locations
 <400> 21731

```
acgaaacagg acaaaacggg agagcacaaa gagcaccgaa aaggacacag aaaacaaagc 60
acaacccggg aaaacaaagc cggaagccaa aaaacacaca agaccgaaac caagacccaa 120
gccgaaacaa aaaaggcgaa aggcccgaac cacgcaagga aacgccgacg ccaaactgcc 180
caaaccaaca aaagccaaca acaagaaaag aagccgaaaa aaagaaaccg aaaaaagaag 240
ccgcaccaca aagcagaaga cagcaaaccg gcgggggcaac cacaagccc cgaaaaaaca 300
aaaaaaccac acagggacag aaagagcacc caaaccaaaa caaggagaca gatcccgggg 360
gcacaaaaac cgcgagcaaa aaaaaaggac caagacagaa aacgagaaaa aagaaagaag 420
aacccccgag gaacggaaaa acccccggcc ccaaaacacc ggcaaaaagc cgaaaccaac 480
caaaaaacgc aaaaaaacga ccagggccac acaggacacg agaactcgaa aaagaaaacc 540
acaacaaaaac aaaacaaggc aaaccaaaaga aggacaaccg ccaggggccc gaaaaaaaaa 600
aacagcacca ccaaaccaaa aaaaccaaca gaaaaacccc gaggaaagca acacaacaca 660
agaaagaatc cccaaaaaga aaaacgaaaa aaaccaaca aaaaaaaaaag accccgaaaa 720
aacaacaaca gcaaccaaaa gagccagaaa aaaagaagaa agaaaaaaaa aaaaaaagta 780
taaaaataaa agaagaaaaa aaannngggg gggggggggg gggggagann aaaaaaccnc 840
cacccccccc                                     850
```

<210> 21732
 <211> 514
 <212> DNA
 <213> Aspergillus nidulans

 <400> 21732

```
tttcgctgcg ttcaaggcca atatggacag gctgaagttt attaagtatc ccaggtcgcc 60
gccaaactct caaggcgtcg gccccacaa agactcgtcc gggctattca ctttcctgtc 120
gcaggatgat acgggtggat tgcaagttct gaataagaat ggcgagtgga tcgacgcgcc 180
accgatcgaa gggagtcttg ttgtcaatat tcaacaaggc cttgaagcta ttacaggagg 240
```

catctgtgcc gctacgacac accgagttat cgtatgttct ttgtctgcgc ttggtctctt 300
 ccggggcaca ctactgatat cgcgccaggc tccgacgacg aaaacacggg atagtatccc 360
 attctttcta ggagtccgaa tggatcttac aacggagcaa ctccgggaaa gtgcagcgca 420
 cattgtcgcc cgcattcccag tctcggacga caggaagaag cgcgcggtcg atgttcccag 480
 cgagtttctt tcgcctttgt actcatgtgt gagt 514

<210> 21733
 <211> 610
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21733

aagcgtcctt gggaaggctt acccctccac aacgacggca agtcacagcg gtttccatca 60
 acgacaatgg tagaatcagc ctctttcgac gtctctctca tgttcgaggg ctcccgcgac 120
 gagctagatc aacaccacga ccgtcgtgag cggctgatca agataagtcg tgatattaca 180
 gcacttagca aaaaaatgta cgccgcgatt tatatcctct ttccatttac taacaagcta 240
 atacgggtca tctcagtatc ttctctctcc aacggtcogt ctactccac actgatcgaa 300
 caggcaaaca ctgcagagtc ctaaccacag ccattccaga gtccgaacgg ccggcgcccc 360
 cattccgcca tcaatttctca aagacgtcca atcccgttcc accagataa atgacctctt 420
 cctctcggtt gtcccagaaa cacagggtct caataactac cgctacctgc gcaacctcag 480
 cggcgggaatc caagaattca tcgaagccct ctcccttcaa cactatctcg agactcagac 540
 cctcataacc cgcgagcaag ttacatcaca tttgcctccg gatatactag tcacggaaga 600
 tgactatgtg 610

<210> 21734
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 21734

gggcccgggt cctccacagc taccacggaa agaaaaccga annatcacgg ttccgctgtt 60
 cagccgatgg gaaacagcat tggatgactt gactttctgc ctggacataa cgcaggagga 120
 agttttcttt atggaagcca agtctacctt tgttcaaatt ctgcgttctc tccccctca 180

ctcgctccgtg gctcgtcgtc cccttcgtct ggatcgcatt gctgaagccg ccgcgacttt 240
 gaagaatgac gcggtcatgg ttcgcaaggg tattcgcaact atggagctcc tgagccagtt 300
 gcaggagatg ggagtcattg atcggtcgga tgagttcagc ctctcccgcg acgaggtcga 360
 acaggaaactc gtccacttgg gttcgttgaa ggagaaagtt atggaggaga ctaggcagtt 420
 ggagtcggtg tacgccacca ttcgtgatca caacgcgtat cttgtgggcc agttggaaac 480
 gtacaagtct tacctgcaga acgtgcgcag ccagtctgaa ggcaagtcaa ggaaaacgca 540
 gaagcagcaa gaattgggcc cctacaaatt taccatcag caactcgaga aggagggggt 600
 gattcacaag agcaacgtcc ctgagaaccg gcgcgcaaac atttacttca tgttcaagag 660
 tcccttacct gggacttttg ttatcagtct gcactataaa ggtcgtgccc gtggcctttt 720
 ggagttggat ctcaagctcg atgatttgct cgagatgcag aaggacaatc tagaagacct 780
 tgatctggaa tatgttcagt tcaatgtttc caaggtgctc acgctcctga acaaacgctt 840
 ctctcgcaag 850

<210> 21735
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21735

ccaggttgga tgcgccgagg cctgggacag gatccaatgt ctccgcgagg tctctttcct 60
 gacgtgaac gctacatatg actcgatcaa cggatccttc gcacctaaa ttgacggcga 120
 ctttatctgc acctacggca gcaaacagct cctcgatggc caatttgtca gagtacctat 180
 catcacgggc accaacagcg acgaggggtgc ctctatgagc cccacaggaa tcaatacaac 240
 cgaagatttc aaagcgactc tttccagctt cctccctggt tcatttcaag acgccatcct 300
 aaaagcctac ccgcatgact tgtcgggtcaa tgtcattgcc agcctaggag accagcgacc 360
 agtggctcct tacggggcac agttccggcg cagcgctctc ttctggggcg actactactt 420
 tatcgcatcg aggcgacaaa ccgccaaagac atgggctgcg catggcatcc ccgcgtatgc 480
 gtacagattc aacgtattc ccgcgggtgt tctcccgaa gttggcgtgg gccattataa 540
 ggagatcggg ttcattgtca acaatctcga gggcgtaggc tacagaccag atatcaaacc 600
 cttcgagggc aaggacaga actatatcga tctcgcggac ttgatgagct cgacatgggc 660

gagctttatt catgatctgg atttgaataa ctatacaggg cgagacacga atatcccgga 720
 ttggccgagg tatgatgtgc tggagccgcg ggattttgtc tttgacgcaa atgtcaccag 780
 ctatacggag gatgacacgt atcgggcaga gggatttgcc ttgattaatg accatgctgc 840
 ggggggttttg 850

<210> 21736
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21736

gcaggtcgac tctagaggat cccccagact gtagagggtg catcaaggcg ttgagtgatg 60
 caactgtggt agcgacaatg gaagaccacg tttcttgtgt accattatct gaaaacattg 120
 aatatatctg ggataagttg tatcgtgttg catacctcca ggaacatttt agcttccgta 180
 attgcttcaa attggataga gatgcgcgag actcatccta cgatcatgct tcaagcctgt 240
 ggccttacca ggtgaagaaa tccctaagta tttcacgtat cgagcttatg gagattccct 300
 aactgtcatt gtacctcaga gctctctttc tcaaaatttc ttgcgattta aggcttgcggt 360
 cgtgggttgaa cctctctcca agggcaaggg tttttatcca ttcttgaagg taaacgttgg 420
 cttcaatggc aaacagtatc agaaatcatt ttctaaagat gcagaactgg agctttgtaa 480
 gacggatcat ctgtttttct 500

<210> 21737
 <211> 567
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21737

gtatatgagc cagcgaccaa gcttctctac ctagaaccat ccaaatatgc atacctgagc 60
 gcttggcctc ggaacaatat ctaccgcaa ttcttgagtt tctttttgat tgtctggtat 120
 gccactgctc atgatctcca ttgcaactcc ccagtctcca gttgctgata gtttgcgctg 180
 taggatcttc ggtttcattg tctactttat ttctgccacc ctgtcctata tgttcatctg 240
 ggacaagtca accgtcaagc acccgaagtt cctaaagaat cagatcccat tggagattgc 300
 gcaaaccatg cgctcaatgc ccacatgtc tctgttgact gcacccttct tggctgcgca 360

agttcgggga tatgctaaac tttagcgtac cttcgacgag gaaccattcc cttactacag 420
 tatectgcag tteccccctgt ttatcgcggt caccgatttc ttcattctact ggatccaccg 480
 cggettgcac caccctctcg tttagaagac tctacacaag cctcaccacg aagtggatca 540
 tgcctagtcc tttagcttcc atgcttt 567

<210> 21738
 <211> 724
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 21738

cccccccacc acaacaaaaa caaacaagcc aacacacaca acaaaacaac aaaaacaaca 60
 gaacgcagac caacacaaca aaaaacacca acacacacaa ccgcaagagg caaaaccacg 120
 cagangcaaa ccanaccccn agacaaangc caaccacgaa ttgatacgca cgaancncaa 180
 aggacagcag ggggaggaga gagccaacaa gcgccccgaa cccccagac ggaaggaggc 240
 aagacaagcc gggccaaaca aacggggccag aggggggagc aaagaggacc agcaggaggc 300
 gcagcaggcc cagcaaggac acgcaacgaa gaagccgaag gcacgcccgc gcgaggaaac 360
 gaccagggca gcacaaaggc cagacaaacg gaaccaaaca aaanncacac acaggaggc 420
 acagagaccg acaaggacac aaaaaccagc gccacggaac acaaaaacng acagcagca 480
 ggccgaaggc acgaaccaga ccgccgacaa ggaaggccca aaagacccca gaggcggcgg 540
 gaccaaaccg gcggggaaaa aaggacggcc aaaaggcgca acaacaagcc caaggggaaa 600
 caaaacccgg accaggcgaa accgcggacc aaacaaagaa aagaggccga agccccaaa 660
 ggagaaacag ccggccccca accccgagga acaaacagac cggaaggaga aaaaacccca 720
 gccc 724

<210> 21739
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21739

aatcgggtgt tagactactc ctgcagcatg gtgctcaagc agactctaag aacaacactg 60

gtcagacccc tatttcatat gcagcatcaa agggccatga atctgtggtc aggttgetcc 120
 taacgcacgg tgctcaagca gactctaaag ccaactgggg tcagacgcct ctttcacgtg 180
 cagcatttga tggccatgaa tctgtgggtca gggtatttct ggagcatggt gctcaagcag 240
 actgtaagga tggggatggc gggacacctc tttcatctgc agcagcaact ggccatgaat 300
 ctgtgggtcag attactcctg aagcatgggtg ctcaggcaga ctctaaggat gacgattgtc 360
 ggacacctct ttcgtacgcy gcatcaaattg gctatgaatc tgtgggtcaag ttactcctag 420
 agcatgggtgc tcgagcggac tctaaggatg acgattttcg gacacctctt tcgtacgcgg 480
 catcatatgg ctatgaatct gtgggtcaagt tactcctgga gcatgggtgca cgaacggact 540
 ctaaggacaa agacagtcaa acaccccttt catatgcagc atcaaggggc tacgaatctg 600
 tagtcaggat acttctggag aacggcgctc gggcaaactc tagagataaa gacagccaca 660
 cacctctttc atatgcagca tcaaagggcc atgaatctgt ggtcagggttgc ctctgcagt 720
 atggcgctca agcagactcc gaaaccagtt ctggccagac acctctttca tatgcagcat 780
 cacatggcca cgaatttgtg gcaaattacc ctggatacgg tgacaaactg aatctaggat 840
 aagtatgggt 850

<210> 21740
 <211> 767
 <212> DNA
 <213> Aspergillus nidulans

<400> 21740
 aaagtgggtcg taaacgacca gagggcactg tcgaatcgat gcccggcgga atcgcgcatg 60
 ttacgtgggt agaacggcga cttaagcagg tagagtttgc caaggaagag cctactgtcc 120
 tcgttttggg tgccggtcag tctgggtctaa atatcagcgc gcgcctgcag agtatgggca 180
 tctcatgcct tgccattgac cagaacaagc gcgtgggcga cagctggagg aatcgctacc 240
 ggactctgggt agcgcacgat cacttcaatg tcacccatct ggctatctc ccatttccga 300
 aaacctggcc caagtactcc tccaaggaca agctggcaga ctgggttcgaa gcgtatgcga 360
 cgatcatgga gctgaacatc tggctggagt ccactgtcca gtcggcggag tacgatgagg 420
 gccagcagtg ctggacagtc accatccggc gtaaggacca gcagcgcgtc gtccggccct 480
 cgcagtgtat ctgggtgtggg ggccaatttg gagtcgaaaa ggtgcccgag ctgccaaacac 540

tttctgtctt tcggggaacc gtctaccaca gcaagtacca ccgagatgcg ggcctattat 600
ctcccagcgg aaagaagggtg attgtcggtt ggacccgaaa cagtgggtcac gacatcggtc 660
aagactttca cgagcatgga gcagaagtca ctttgcctca acgcgaggga catatgtact 720
tcggcagcag ggctcccgt gtgcagaaat gcattcggtga catgagt 767

<210> 21741
<211> 480
<212> DNA
<213> Aspergillus nidulans

<400> 21741

tctctacctc ccgtcacgca ctcccccaac ttaagcagac ccgtcgtgag ggtgtgataa 60
agggcgctta cgtccttgaa gaggttcca atgcagacgt aaccatcatc ggcgtcggcg 120
ccgagctctc cttcgcgctg gacgtcgccg ccagactcaa agaggagaag ggcgccaccg 180
cacgggtggt cagtttccc tgccagcggc tctttgagca gcaatctctc gagtacaggc 240
gtacgttctg caacggcata aaggcattcc ggcggttgta atcgagccgt atgcaccgaa 300
cggatgggag cggatgacgg acgcggggat ctcagtgagg cggtttgga acagtcttcc 360
tggcaaggca gcgtataagt tctttggctt tgatattggg gtcagacgg agaaggttgg 420
acattacctt cagcagctga aggaagatga ggcgctgaga ggcgaattcg ttgatctatg 480

<210> 21742
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21742

cacagaggcg cgatggagcg atgaagagaa aaaatggaaa gtcagcacca aagtttctgg 60
cgacaaggac aaccagttca cacgttcta tgtcctgagc acggatttcc tcatctctgc 120
tggtggacag ctgaactttc cccgagaacc agatatccct gggctgaacg atttccgtgg 180
gaaaatgatg cattcggcgc gatgggattg gacctataac tacgagaata agcgaattgc 240
tatcatcgga aatggtgatt ttcccaaggc cggccattca atagtggcct gctactcagg 300
atgctaatta ttccatcca gggcgacccg ctgcacagat tgtccctgaa gtggctaaag 360
ttgcttcgca tcttaccgta taccagagaa ctccgaattg ggtaatccct cgatctgata 420

ccgccatata gccctcgaa caagctctgc taacgtacct tccccactg cgtattcgaa 480
aacgtccct tgctatggac ttccgtgaga gttccatga ggttatcagg gactcgcagt 540
cccaaaccgc gcggctggcc cgcgacatca ccgcgaacg tttacggaca cagctggcga 600
acaagccga gctatgggac aagctcacac cgaaatatgc ccctggatgt aaacgattga 660
tcataacaga cgattattac ccagcgctta gtcgagaaaa cgtggatctg gagaccagggc 720
gtatcctgcg catcacagag acagggattg ctgtagaagg cgactctcag caagagtatg 780
atctgatcat ccttgcgact gggttcaaga ccgtagaatt tatgtgtccg atcaagatcc 840
acgggtcaaa 850

<210> 21743
<211> 551
<212> DNA
<213> *Aspergillus nidulans*

<400> 21743
ctggcctgcg cttaggagca tgctgtacgt ggccgttatg agcaacgtcc tgtccgcttc 60
ccagacgggt gtgctgaacg tgctcgcgtg cctcacaagc ggtttttgcc agtagtgccg 120
tgtctatgtg tgcttgtgga tcatgttcat tgttgttcca gccgacactg ttgtccgtat 180
tagcggggcac tttcgaggta gatcaggctg tttcgcgcta tttgtccctt gtctttccct 240
tgctctcat cctgggtatg cagttggatg tgggtccctg ccggctggct ctccgcctct 300
ccgtgctggg tcagggtttg gtccttttgc ctagctagtg ggttattcac gggtcagggtg 360
tgtcttcggc ccgtcgttg gtgtgtttgc cgcctgtccg tctcgggtt gctttctttc 420
ccccctgttg gccattgct ggaggcatgt tttccctgc gtcgagccag tggcagtgac 480
cgggtcttta tggatgtggg ggtaaaatat gagcctcgtg catccggagt cggtcggttt 540
gggtcgggtt g 551

<210> 21744
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 21744
gctatctagc gcaagcaaac cgcgccttcg acccgcacct gctggagatg ttcttcccat 60

ggcgccatgg catggccact gtgactgccc cgcggcctat gatccttgat gatatacggga 120
 cgactctatc caaatggagc attacacacg ccagtttcgt tcccagtctc gtcgaccaga 180
 gcgacatcac gccccagcaa tgccccaacc tgcggttcat gacagtgggc ggggagaaaa 240
 tcacacagaa agtcctcgac acctgggcct cagcaccgaa cgtggctatc gtgaacgcct 300
 atggtcccac ggaggtaacg attggctgta catttgcgca tatcaaccgc tccacaaacc 360
 tacgcaatat cgccccccct cttacagctt gcacagcgca tgttctgatc cctgggacca 420
 tgaagtacgc acttcggggc cagactggcg aattatgttt cagtgggtgat cttgtggcga 480
 gaggatatct gaatcgccct gatgccactg ccgcaaattt tatcactggc cccaacgggtg 540
 ccaagatgta ccgtaccggg gatatacggc ggcttatgtc tgatgattcg gttgagtacc 600
 ttggacgtgg agatgaccaa accaagatcc gtgggcagag actagaactc ggcgaggttt 660
 ccgaagtact aagagcttct tcgccagttg ccgttgatat tgtgacgacg gtagcgaaac 720
 atcctgacct cggcaaggta cagctgatta ccttcgtgtc gagagcaaag aagcgcaactg 780
 tcaatgagga ggtgcagttt ctattctctg atttcggtac ctaggccaag aactgcgcga 840
 tatttgtgcg 850

<210> 21745
 <211> 465
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21745
 ctttgaaaaa cgcgggctga tcaatgtgct aagcgtggat tacgaaatcc aaaccagttt 60
 ttggatacaa ttagggagta taataaggct gttgcggctt ttcgagatga gaatccgaac 120
 cacaagtggg acccagccat caaggatggg ctatctacgc agtcaagccg taggaagctg 180
 gccctgcaa agtcgaactg ggccacgccg cttacgcggg ggccgtatct tgctgttaaa 240
 gtgacctgcg gtgtgacctt tacttttggc gggttagctg tcgactatga aactggcggg 300
 gtcactcat cggtacaga ttcaccgggt cctgggttgt actgtgccgg tgagatgttg 360
 ggtgggctgt tttgggataa ttatcctggg ggaagtgggc ttacgtccgg ggccgttttt 420
 ggtcgaaggg ccggacgtgc agcagcagca cacgctcgta aatag 465

<210> 21746

<211> 598
 <212> DNA
 <213> Aspergillus nidulans

<400> 21746

gggaattccg agcagcggcc cggccgcttt ttgaggcaac agaggcggta agcccaagct 60
 gctcttctat aacatccgag accccccta ccctccgga tgccgacaat gcctctgaac 120
 gcccgctcaa cgccatcaag cccgcacgca acttcacaaa gtatgtagaa tacgacttca 180
 gtaagatgac agacacaaaag ggcggcttcc tagccgagga agacgatccc ttcaacaaaag 240
 ctttgacgt aaaggatggc aaggacgaga agcccgcaaa tatgacgcag aaggagtggg 300
 agcggcaaca gctgctcaag aatctgcgtc gggatcgtgc aggtcccttc gagccgggga 360
 tcagtgtgct ggatgagaag agcgaacaga aggtctgtcg cgagtgtggc tccctcgaga 420
 ttgattggcg gtgggaggag gaactacgat gtcgcgtttg tcatgcgtgc aaggacaagt 480
 ttccggagaa atatagcttg cttacaaaga ccgaggcaaa ggaggattat cttctgacgg 540
 atcgtaagtt atattgtcct gtcttcatgg gagtcttaga ctgtgggatc gacgcttc 598

<210> 21747
 <211> 734
 <212> DNA
 <213> Aspergillus nidulans

<400> 21747

tgtaaataga gagttagggtg agatgtggag aagaaaaaag gaaagaggaa taaagagata 60
 gaggaaaaat aaagatggag aagatatcaa gataaagtaa aatgacgaag aagttaagta 120
 cataggaaac tatgcaggaa attagagaaa aaagtatagg acacaagtta gagggcgtca 180
 agagccaata taggacaaca catctcggac acttcctcct cacgaatctg atcattggaa 240
 agattctgaa gtcggacaca ccgcggttg ttaatgttag tagtgatggg catagattaa 300
 gtccaatcag gtggcggtat tataattttc aggtaagaag cctgctattc cgagcacaat 360
 ggagcaaata gatgctaaca gatagtatag gaaggagaga tctataacaa atggcttgcg 420
 tacggacagt ccaagactgc taatatgctg atggctgtct cgttggcgga gaaactagga 480
 tctagggggc ttctggcggt tagtctgcac cccggtgtca tcattagtag ttccatctca 540
 ggtggacttg ataatatgga tgaagatctt gctgcattga gtacgcatcg caaataacat 600

ggtgctctgc tggcgttcga ttgctgatcg gtaccataga agctcttgac aggatgctcg 660
gaaatgcaga ggctggcgcg atttcaaagt gaagacgaga cagcaaggag ctgcgaccac 720
ggtatatgct gcat 734

<210> 21748
<211> 580
<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
<400> 21748

tttgggcat ttgtaaatta gggaagaacc tacactatgt tcatttgggc cactgctcca 60
acatcaacga tagtgcagtg attcaattgg tcaaattctg caaccgaatc cgatacatcg 120
atcttgcagt ttgcagccgc ctgacggaca ggagtgtaca gcaactggca actcttccga 180
aactaaggag aattggcctg gtcaaagcc agttgattac agatgctagt atattagcac 240
ttgcgcggcc ggcccaggat cactcgggtg catgcagcag cctggaaaga gtgcatttga 300
gttattgcgt caacctcacc atggttgtaa gttttgtcgc gtccttgttt ctgggttaa 360
tcgtgattgt ctgacttaag tataggcat ccatgcttta ctcaacagct gtcctcgtct 420
gacgcaccta agccttacg gagtcgcagc attcttgcgg gaggaactaa cgggtattttg 480
ccgtgaggct cccccggag ttcaccgaca gcagcggnag gttttctgtg ttttcagcgg 540
taaaggcgct aaccgctttc gcaaccattc tgaaccgaga 580

<210> 21749
<211> 850
<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
<400> 21749

aatcaatcc tagacttgcc ggacaagata ccgataagat caaagagatg gtagctgcgc 60
tggaccaaga gatcgacaca atgcaacatc ttgagcatcc gaatattgta cagtatcttg 120
gttgtgagcg cggcgaatta tcaatctcta tctacctga atatatctct ggtgggtcta 180
tcggcagctg tcttcgaaag cacggcaaatt tcgaggagag cgtgggttaag tctcttaacgc 240
gacaaacctt ggaagggcta tcctacctgc ataaccaagg tctctccac cgtgatctca 300

aggcagacaa tatactgctc gatctagatg gaacctgcaa gatttccgac tttggcatat 360
 ccaaaaaatc aaacgacatc tacggaaacg actcctcaaa ctccatgcaa ggatccgtat 420
 tctggatggc gcccgaagtc atccagtctc aaggccaggg ctatagcgcg aaagtcgaca 480
 tctggtccct gggctgcgtg gtgcttgaga tgttcgctgg acgacgacnc taagcaaaga 540
 ggaagctatc ggcgctatct tcaaacttgg aagcctgagt caggcgccctc ccattccgga 600
 cgacgagtct atgaatgtca caccgcctgc gctcgctttc atgtgggatt gctttactgt 660
 gtatgtctca tgcttccctc ttacttttca agagacaagt aactaacctg tttcctgtgc 720
 aatagagaca catctgaacg tccgacagct caaacccctc ttactcatcc tttctgcgag 780
 cccgatccga agtataatct ccttgacact gagctctacg ccaaaatccg tcctgtgctt 840
 gagaattaaa 850

<210> 21750
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21750

tcgaccaaatt catacaaatt cacctactct gccaaagattg tgcctatctg caaggacgat 60
 ctagttgccc taccgattaa actcgcaaag cagcttggca acatatacacc gctgcttctc 120
 tgcaaccgaa ttggtacctc aattagtttc ctggatccca acacacttca gagcgccgac 180
 ctaaattccc ggatatactg gcgatcacccg ttcacatctc tagcagaagc gaaagatctt 240
 gttgaattta ttgtcttgga tgtagagcca acagggcatt ccaggggggaa atggttccaa 300
 tctgaggtaa cggtcgcccg agcgtccgac ttcagtggcg acaaacaata ctttacgagg 360
 acgcatctcg gcagcatcat ccaccgggc gattccgtgc taggttacat gttgactgga 420
 acgaatttca acaacgcccc gtttgatgaa atcgagtcgt ccaatacgta cagttcgacc 480
 attccggacg tcattctcgt caagaaattc taccctagac gctcgaagca caccaagcgc 540
 aactggaagc tcaagcgcat ggccacagaa cagacccct accttctacc caacaataaa 600
 gaatcagtgg agaagactt tgagatgttc ttgcgcgatg ttgaagagga ccaggagcta 660
 cgggcgacgt tggcgttata taagaacaag aagaaggacg acacgatgag tgtggcggac 720
 accgacatga tgaacgacga cgacgatgaa gttcccaaga tcagtatgga cgagttactg 780

gacgactttg atgacctcga aattgacgac aacatgcaag attgaacgta catagtatga 840
atcaaaagcg 850

<210> 21751
<211> 820
<212> DNA
<213> *Aspergillus nidulans*

<400> 21751

atgtttttac tattttttat cgttcattgg ttaaaaatta tgttgccttt ttttgctcag 60
gtgggggttag aagaaaatct ccatgaaacc ctagatttta ctgaaaaatt tctctctggc 120
ttggaaaatt tgcagggttt gaatgaagat gacatccagg tgggctttac ccccaaagaa 180
gcagtttacc aggaagataa gggtattctt taccgtttcc aaccgggtggg ggaaaatccc 240
ttacctatcc cggttttaat tgtttacgcc ctggttaaacc gccctacat ggtggatttg 300
caggaaggac gctccctggg ggccaacctc ctcaaactgg gtttggacgt gtatttaatt 360
gattgggggtt atccctcccg gggcgatcgt tggttgacct tagaagatta tttgtctgga 420
tatttgaaca actgtgtcga tattatttgt caacgctccc agcaagaaaa aattacgttg 480
ttaggagttt gtcagggggg cacatttagc ctgtgttacg cttctctatt cccggataag 540
gttaaaaatt tgggtgtgat ggtggctccg gtggactttg aacaaccggg tactttattg 600
aacgcccggg gaggtgttac cttgggagcc gaagcagtag atattgactt aatggtggat 660
gccatgggca atattccagg ggattatctt aacctagaat ttctcatgct taaaccctcg 720
caattaggtt accaaaagta tcttgatgtg caaagatatt atgggggatg aagcgaaatt 780
gttaactttc acgcaggaga aatgatttta atagtccgat 820

<210> 21752
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 21752

tggctacaac ctcagcccat ttaccctac cgaggaggta gagcatctag ctgaagaacc 60
aaccaagagt cctatccaga aaggggaagc catcgtagcg aaagttaagg aagccctaga 120
ctgggctcaa gcctccatgg cctattccca acagaatata gagaatcagg ctaataaaca 180

caggagcccg gccacaaact accaagtggg agataaggtc tggctaagtc tgaagaacat 240
 ccgtacggac cgaccagta agaaacttga ctggaagaac gccagtatg aggttatagg 300
 cctgggtgggc agtcatgctg tacggctgaa tacgccccca gggatccatc cagtcttcca 360
 tgtggacctg cttcggtggg cttcatcaga tccacttcct tcccagaaga atgatgatag 420
 ccagccccct agcatcatgg tgaacggtga ggaagaatac atggtagaga aaatcctgga 480
 cgaacgtcgc aggagatacg ggagagggtca ccggtggaa tacctagtga aatggtcagg 540
 ctatgctcag ccaacctggg aagctgccac agctttggag gaagtacaag ctctggatga 600
 gtggctggat cgtacgaaac aatatagact tcaggacggc tcactaaaca gagatgcata 660
 tataaaggct aaagcaacat gacctaccct gtgacctgta cttcctacat agagggaggg 720
 gggggtactg ttatgggtcc tttgcctata caaggacctt agaccttagt gactcggcca 780
 aggcctgcgc tgtcctgaag gcggtgagcc acctacaaga cttccttgca acaacaatcc 840
 ttctttctca 850

<210> 21753
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21753

cacggcgttc tcgctcgaga cgccccgctc aagcagcaac ttcgaatggg acgagagggc 60
 gggcgtggac aacaaattcg ttgatggaat ggccagtttg accagccggt cgaacgaggg 120
 tggttacctt ggtacgtcca ttcgccccga ttactgatg ggagtacagt gaggattgac 180
 ggccgtaggc tctgcatccg gtgcggccct gtcctgtctt acagaaacta gggatgatga 240
 cgctggcgac agcaatggcc aagttcacga gtatgaatgc agagcaagca tccccttcgt 300
 gttgaacacc atgtcacagc tcgaaccctt cgtggatgog tttttccggc tataccattg 360
 ctctaccg atcgtacacg aagcaacctt tcgcgccag ttcattggaga tcatcccgcg 420
 tccgccaggg aatacgtggc aggtcctact gttcgtgatc tcagccttgg gcgtcttcac 480
 ttcgtctacc gcaaccagca ccagcgatgt cgaccttgcc ctcttcgacg ccgctaaaga 540
 acggctgtcc atcgacgtgc tcgagacagg aaacttggtc ctcgtccaag cgtgacgct 600
 catatccaat tatctccaga aacgcaacaa gccaaactcc gggataact atatggggct 660

cgcaaggcgc gtcgcatgg ggatcggtt gcataaggag tttcctacat gggatgcac 720
cctcttaacg cttgaaatga ggaggcgggt ctggtattgt ctttacatct ttgacattgg 780
ggcaatgac acattttcga ggccgctgga tttccccgta gaggggtgtg atgtgaagct 840
tcccatgaat 850

<210> 21754
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 21754
ccctggcctt atagactgcc acgtgcatct tactgcaacg cccggcaacc ctgctctcag 60
agacatgttt tctgccagcc caaccagcct cgcccatcgc gccgcatacg tcgcgcgaga 120
gatgctctc cgcggtattca cgacggcgcg cgacacggga ggtgccgacg ccgctctgcg 180
cgacgctatt gctgaaggcc ttgtgcctgg cccgcgcctc ttcacgcag gaaaggcact 240
ctcgagacg ggcgacatg ggcactccg cgccgcttcc caaggcgagg aagagaaatg 300
ctgcggtggg cactcgccgt ctctagcacg ggtgtgtgat ggcgtaccg cctgcctgag 360
cgccgtccgc gacgagctgc gccggggcgc agatttcac aagatcatgt gtggtggcgg 420
cgtagcgctc ccctctgatg cgttggatat gttcagttc acggcagaag agattgaggc 480
gatcaccaaa aaatctgcgc 500

<210> 21755
<211> 614
<212> DNA
<213> *Aspergillus nidulans*
<223> unsure at all n locations
<400> 21755

cactagcggg cacaccgga tgtgtacgc gcggaatctt tccggagagc tgaggtcgcg 60
tttatggcgg gctggttcga tgatgagatc gtgccgataa cgaccgcgt caaggatccg 120
aagaccggcg aggaacgatc tgtgactctt accaaggacg acggtgttcg ctatggaaca 180
accgtcgaat ccctctcaaa gattcgacct gcgttcccc agttcggtga taagagtacc 240
ggcggaact cgagccagggt tacggacggt gcggcggtg tccttctcat gagacgcagc 300
aaggcgattg aacttgggca gccgatcctg gcgaaattcg tcggcgcgac tgttgcgggt 360

gtccccccgc gcgtcatggg cattggaccc acggctgcga ttccgaagct gttgagcaag 420
 ttcaatctcg acaagaatga cgtagatata tacgaaatta atgaggcctt tgcgtcgatg 480
 gcggtgtatt gccgtgaaaa gttgggtctg gaccatgcga aggtaatcct aggggtggtg 540
 caattgcgtt gggacacccg ctncgcgcga ctgngcgcga gcaatcgca ctattctagc 600
 gagcgaggag acca 614

<210> 21756
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21756

tacggacctg cagagtgttc agtttactgc tcggcgaacc cgccagcaac ccagcagagc 60
 aaccccgctg tccttggaaca cgccatcggc ggctgatct ggcttgttga ccagtcfaat 120
 catgataagc tgactcctgt cggctgcgtg ggtgaattag tcgttcaagg tgcaatagtt 180
 gcccgcggat acctgaatga accggagaag acgcagtcag cattcattca agatccagcc 240
 tggatgcctc agacatttcc cagggagtac cgacgcattt acaagaccgg agacctagcg 300
 cgctttaatc cagacgggtc tctcagcttc gttgcgagaa aagacactca ggccaagggtc 360
 cgaggtcagc gtgtggaatt ggcagagatc gaagtccact tgtccgaaag tccagagatc 420
 caacatgcc a tggttgctgt ccctgcgggc ggtccttata agagcagact tgtgtgcac 480
 ctgtctttac aggaacttgc tcaacgcagc gatggcatct ccagagatag cagcagggtc 540
 gcactgattc aaggagcag cgacagatct cacgctgctc agacagcttc cgtggtagag 600
 aaccgactcg cagagaagct tccgccatat atgataccag ctgtgtggat tcccttaaag 660
 aagatgccgc tgaaccttctc tgggaagatt gatcggaagc tgataaaagg gtggctcgag 720
 gatgtggacg aagccacgta ccagtctgtt gccgcgatgg ccgagcagaa ggaaccagct 780
 tgcagcagcc cacctcagac atagagaaga aggtgcaggc cgctttcagc gcaaccctta 840
 acatccccgt 850

<210> 21757
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21757

aagccctggc ggagcattat gcaataagca aaacgcctct tgcaaggggt ttaaagggtca 60

taaataccga cagggctaca gtgccgatgc ggtgggtgcg ctttcatggg ctatatgatg 120

gggggctaata tcctctaggg aaaacatatc cgtcgaaggc ggtattctga gtgtcacatc 180

caggatacta gtcgtggatc ttttgtccag tatatccctc ctcagtcgtc cccgatgtca 240

agctgctgac ccgttcagag ctacttgacc cagagagggt gactggattg gttgtactcc 300

atgctgacaa gtaggccttg cctcccgggt gtcttggggc agctgacttc tggtagaatt 360

gtcgcgacgt cgactgaagc atttatcatt cgaatctatc gcaatgcaa caaaagtggc 420

tttctgaaag ccttctccga ctgcgcggaa ccttttacta cgggattcgc gcccttagcc 480

aactctttgc gtaacctttt cctacggaaa gcttcattat ggccgcgggt ccacgttact 540

gttgcctgaat cgctggaggg ccatcggaaa gccgaagtaa tgcagcttcg aggtcccat 600

gagtgataaa atgcgcgaga taaaaacgc agccctgagt gtggtgagct tttacttggg 660

aactaagaaa gcgaacacgg attagacatg gccattggaa ccttgatagc gcttttgatg 720

gagctttgac attttcatag acgccagttg ccctagtgc tttgtgtgagc tttagaccaa 780

caaattggagc gtttaaggac ctgggcatac taaaaactac atgcccattt aaagcattat 840

ctacacatag 850

<210> 21758

<211> 500

<212> DNA

<213> *Aspergillus nidulans*

<400> 21758

tggggaccgc catgatggaa acattgcaa caaaccagac cctcctcgag gacccgtccc 60

tctgcaccct cgacacatgc ccgctttcca tggcctcctt cgaatatatc cccaagctgt 120

gggcgcagat cctgttcatg gcgctgttcg gcttggcctt cgtcgtccaa ctcttcctcg 180

gcacccgata caagacatac acgtttatgg ttgcgatggt gctaggcctg gcaggagaag 240

tggttgggta cggcggccga gtctcgcttc acgataaccc gtttaacgac gacgcgttct 300

tacaatactt ggtctcgctc acgatcgccc ccgcgttcct gacggcggcg atctacctca 360

cgctctcgcg gatcgctcgtc gcgtacggcg agcgtatctc cttcttcaag ccagaaacat 420

acacgatcac cttcatcacg ttcgacttca tgcgcccttct tcttcaagcg gtcgcggcgc 480
cattgcttct actgccgacg 500

<210> 21759
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 21759

gagactcttc ccaatgacct gtaaactacg cctgccatcg gaacgtaaca acattcagca 60
gagtaaccat cacaatgtct aaattcgggg ttctagtcac gggtcagca ggcgctggga 120
aaactacatt ctgcaacgcc ctcatccaac actgccaaac taccgcgcgc agctgcttct 180
atgtcaacct cgaccccgcc gccgagagct ttcagtacga ccctgacctc gatatccgcg 240
agctgggttac cctcgaagat gtgatggaag agctggggct cggtcggaac ggtggattaa 300
tctattgctt cgaattcctt ttgcagaacc aggatttcct cactgaagca ctcgatccgc 360
ttagcgaaga atacctgatt atcttcgaca tgcctgggca aatcgagctc tacacgcacg 420
taccgctgct tccgtcgtc gtccagtttc tgtctcgtgc tggcccgcta aacatcaatc 480
tctgtgctgc gtatcttctt 500

<210> 21760
<211> 787
<212> DNA
<213> Aspergillus nidulans

<400> 21760

cccacttggt tggagtaccg ctgcctagg ctcgagaagc ttgtcgacga attcagatga 60
ggattttttt ttacctgaga ttagtacggc aaaatggctt gctattatta tgtctacatt 120
acttgccgga ggtggcgctt tttgggcagc agcagagcca atgtatcatt tgatgacggt 180
gccaccaata catgatggta tatctgctgg aacgaaagaa gcagttatgc ctgcttttagc 240
acaaggttat atgcattggg gatttttagc atggacgatt ttaggtacaa ttagtgcggt 300
agttatgatg tatggacatt attataaaga tatgccgcta aaacctcgaa cgcttttata 360
tcctattttt ggggaaaaat taagaaagag cctgcttgga acgataattg atgcagctgc 420
aattattgca gtagctgcag gtacaattgg cccaattgga tttttagggt tacaagcaag 480

ttatggatta caagaattat ttggaatttc taatgtgttt actactcaat tagcaattat 540
 tgtttgtggg gtgggcgcgt ctaccatatg ggagtaccag gtttggtaaa gggattttaa 600
 ttataggaat ttaaattgtca gattggcaat tgtttaattg cattatatta ctatttgggc 660
 caggcggatt attatggatc ctttgtcttg gtcggattaa gtaatagttt tcacgtggga 720
 ctaccgggga tcagttggta ggacttgacc tttttcttgg gaggttatgt aacgcacttg 780
 tcggatt 787

<210> 21761
 <211> 418
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21761

gcgcgcgcgtg aggggtggcaa gccttaccac tttcttaagg atgactccag ctccaccgcg 60
 gagaccgttg ctgctcgcct caaggccgtt gcagaggagg ccggttccac ctctggcggt 120
 tccaccacct actactgcac cgacaccctg ggttactgtg agcagaatgt ccttgccctac 180
 accctgcctt cacaggacct tattgccaac tgtgatattt actactccga actccctgct 240
 cttgcagaca cctgctatga ccaggatcag gcaactacca ctcttcacga gttcactcac 300
 gctccggggcg tctactcccc cgggtactgat gatctgggct atgggtatga tgctgcgaca 360
 gccttggata ctgacgatgc gcttaacaat gctgactcgt atgcgctcta tgctaacg 418

<210> 21762
 <211> 767
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21762

atccaaaaaa tgaaagagct gctaaagaaa agggaccttt aagggacttc caaatgagtt 60
 ttgccaatat acggccctta accgatttgt cattcagacc tcgcaagctg ttgacctgat 120
 cggaggcggc gtgaaaatca acgctatgcc cgaagtcgtc acactctccg taaactaccg 180
 cgttgcgcat caccaaagac ccgtcgatgt ccagcacagg gccgtacaaa taattgccga 240
 cgttgtcgac aagtacggcc tgccgggtcga tgctttcaat ggggacaagg aataccatga 300
 ctatgtcgcc gggctctatc gcagcgactc gctctatcgt aacgacctca agcgtcgtga 360

taaggtcgac tataacggaa ccctcgtggt cagcgccttt ggcaaaggcg aagccgctcc 420
 catctctccc actagtgggtg ctgtatggga gactttttcc ggaacgattc gacatgcttt 480
 tgcgtcaggt actaaaaccg ttgttcctgt tggagacata atgaccggta acacagacac 540
 tacgcattat ctgagtaagt tttgctaggg ctagttgaca ggaaacatag aactgacaa 600
 taaatcgggc aggcctttcc cgtgatgttt acagggtggac gccggctatt gctagggcag 660
 aggataacat ccacactgtt gatgagcgtg tgagtatcca tgatcatcta aacgcggtaa 720
 ggttctacta tgactttatt cgcaattttg atgctgcgga tatatag 767

<210> 21763
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 21763
 gcggggatgt atatatgaac acacagggtg ctatacgggtg agtacctcgc agagcataca 60
 tctcttctca agctatgaag atatggcaag cattgccttt cctctactcg ccaagagctt 120
 atcgctcacg acagcccata catacagcta tgcctacaac tcgcctataa acccgtcgct 180
 cccaataata ctctttctcc atggcttccc atcatccagt tacgactggc gtcatcaagt 240
 ccagttcttc tctgcacaag gggttgaggat actggcaccg gatcttctgg ggtacgggtga 300
 tacatccaag ccgtggacgc tggagagcta caaagccaag acaatggctg ctgaaatcat 360
 cgagatattg gaccatgaag gcattcacia agttcatgct gttgcccatg atacaggctg 420
 caccctgcta tcccgcttg ccaactactt cccaagtcgc cttctatctt gcacgtttct 480
 agacgtgcct tattccaggc 500

<210> 21764
 <211> 464
 <212> DNA
 <213> Aspergillus nidulans

<400> 21764
 tccaacaggc tttgaagacc agccatacta tgcccatgtg caccaaccgg ttctcgcagg 60
 cgctctcttt gccgtgggat cagttctcgt catgtcaagc atgtatgcc taggcgtcac 120
 aggcacgtat ctcggagatt acttcggcat ccttatggac gcacctgtgc ccgggttccc 180

tttcaacggt accggtcccc caatgtactg gggagtagct tgaacttcct tgggtgttgca 240
 ctgtacaagg gcaagggttg gggtagctct ctactgctgc tgggtcttct tctgtactgg 300
 tttgctttga aatgggagga gtaagtctcg ctacctctcc ttagtccccct gatctggatg 360
 cttggaaccg tatagagctg tggcttcgtc ctgctgacca cgccatctgt agccctttca 420
 ccgcagagat ctatgcaaag cgcgaacgcg aacgtgcaaa gtca 464

<210> 21765
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21765

cctggaaaac cttcggactt caagggtaaa tgagtgtgct atcatgatac aaaagaccct 60
 acggtgcaag tactatcgac gcaggtatct tgaggcgcgc ttgtcagtc tgcgccacca 120
 gtcgttagtc agaggattcc tcgctaggca gcgcgcagcc gaaatacgtc gcatcaaagc 180
 tgccacaact attcaaaggg tgtggagggg tcagaaagaa agaaagagat ataatcagat 240
 tcgcgataat gtcacccctt tccagtcgct gtcaaagggc ttcctttgtc ggcgcaacat 300
 tttgaactcg attcatggca atgcagcgaa aaccatacaa cgtgctttcc gttcttggtg 360
 ccaactgcgt gcatggcggc aataccgccg acaagttatt attgttcaga atctttggag 420
 aggcaaaaaa gcgagacggg agtataaggt cctgagggaa gaggccagag acctgaaaca 480
 gatttcgtac aagttggaaa ataaagtggc cgaattaacg cagtacctgg aatcactgaa 540
 acgcgagaac aagtctctca attcccagct cgagaattat gagactcaac tcaaatacctg 600
 gaggagtcgt cataacgcct tggagaaccg gtctagagaa ctccaagccg aggccaacca 660
 agcgggcatc actgctgctc ggctcacggc tctggaagaa gaaatgagca tattgcagca 720
 gaaccatgct gatggacaag ccactattaa gcgccttcag gaagaagaaa gaatctcccg 780
 agactcgata cgttctgcaa accaggaact ggaaaagctc aagcaactca atgcagaaac 840
 taagagtgag 850

<210> 21766
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21766

tcctaataagaa tggccctaac cccgaactat attttcgacc caggtttgcc ggactacctg 60
ctggaacagt ttgggttatg acaaccgctt cagatatgcg ggtgcctgtt catgaattta 120
ttctgacagg ccgcagttca gtccttcgaa gagcactaca cgactatcgg catcaacata 180
gcgcttctgt gcctgaaatc ctgactatag aaaaagatta taatggagat tgtcaaatac 240
ttctccaagg catggacgtt ctgtctgtac tcaatcttac tttctatctc tacacggacg 300
ctcttcttga tgtctggcag catgctcggc cttctccaga aaatgcttcc cgctaccgtc 360
aggctccgaac agaagtgatg cggattgcct cgcactctga ccttccagct ctggagcggg 420
ctgcgcgact tatggctcca cctgccaaaa gcatgaagac tgatttctca accgccttca 480
atgatccttc tttttttgag agctgtgatg ttgtgattga actaaatggc gattgcatgg 540
ttgctcatag tcaagtcac cgtcaaagat gcccttctt ctacgctcta ttcgtcggtc 600
gctctgggtg tatttgggta cagtctcgac gtaaactgcc tcaagacaaa gtccacgtcg 660
acctcaagca tattgacaga tctatcttcg agtttgttct tcggtatatg tatgcggata 720
cagatgatcg gctctttgat gacgttcgga caaaaatac tcaggatttt gttgatatca 780
tcaccgatgt tgccttcgtg gccgacgagt tgatgattga caggctatcg cagatctgcc 840
agagggcact 850

<210> 21767

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 21767

cggcgatttc cggatccccg cgggtgcgat ccgtcaaacg gctggatata ctgtcagcga 60
cctgcagtat cagggccatg aggtggtcga cggtaaaccg gcgttgcttg gctgcccggc 120
gacattcggg gaggcggggg atgtgacgac gttggttgta catctgtacg acaattacag 180
tgccgtcgct gcggacctct cgtacagtgt gtttccagaa tttgatgctg tggttagaag 240
cgtcaacgtt acgaataaag gaaagggcaa tattactatt gagaatttgg cgagtctctc 300
tgtagacttc ccgctcgagg acttggacct cgtcagtttg aggggtgatt gggcgagaga 360
ggcgaaccga gagaggcggg gagtagagta tggcattcaa gggtgagcat tctctctctc 420

ttttcgatct atttgacgac tagtcaacta tgaacgtgga gccagatact aaccacgtac 480
 cttagattcg gaagcagcac eggctactcc tgccacettc tcaaccctt cttagccctt 540
 gtgcacactt gtacaaccga atcccagggc gaagcatggg gcttcaacct cgtctacacc 600
 ggctccttct ccgctcaagt cgagaaggga tcccaggggt tgacccgcgc gttgatcggc 660
 ttcaaccccg accaactctc ctggaacttg ggacccggcg agaccctgac gtcccctgaa 720
 tgtgtgtctg tgtacagcaa agacggaatc ggcgcatgt cgcgcaaatt ccaccgtctc 780
 taccgcaagc acctcatcag gagcaagttc gcgacatcgg atcctaaggc ttggtcctcc 840
 ctatagtgag 850

<210> 21768
 <211> 615
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21768

cgtccgcaat caagatggtc tctacagaca gcactgctcc cgttgccaca gccccacag 60
 catcaacacc ccccccgcc cttctcgtga aaaagctcac agacactgcc cgcgccccaa 120
 cccgaggctc tgcattcgcg gctggctacg atctctatgc tgcaaaggag accatcatcc 180
 cagcgaaggg gaagggccta gttgatacgg ggttggcagt cgctgttccc gaggggactt 240
 gtatgtttac ccaatttccg ctctttccct ttgctgtccg ctcgacgttt agctaattga 300
 cgagcttata gatggccgtg ttgctccccg aagtggcttc gcctccaagc actttatcga 360
 tgttggtgcg ggggttatcg atgcggatta caggggtgaa gtgaaggtgt tgttgttcaa 420
 cttttccgat gtggacttta cgattaagga gggcgaccgc gttgcgcagc ttgttttgga 480
 gagggtatga cactatctgg ctagattgat ggctggacgc taacgtactt gtagatttat 540
 acccccgagg ttgcggttgt tgaggagttg gcggaaagtg tgagaggagc tgggtggtttt 600
 ggaagtaccg gcact 615

<210> 21769
 <211> 548
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21769

ccgtccttgg gtattgagat cctccatgca tatgggcgca acgtatgttt caaaagctac 60
ctctttcatg aagtcacaaa agttcctggg tatttccgga ttcttctccc gccttaagga 120
taagggtact ctcgcaaaag aagcctggac aaccatctcg actgtcatcg acgcacaatt 180
gaccatggag gagatggcta aactcgaaga aaagggcggc gagaattgga cggatgagat 240
gagggccgag tattccgtaa aggtaacggg caagcttctc gcggccgcct ggcgtggtag 300
caaactcgag attcaaagcg tccttcgca cgtctgtgat aaggtgttgg gcgacaagaa 360
gatcaagttg gagaagcgca tcgagcgggc tcatgccatg ataattgccg gcaatatcta 420
ttctaaggta tgagccatct ctttcctagg ctggtattct tcatactgat tctcttcagg 480
ccgagcgtga ccccgacgac gagggagatt acatggcctt cgagcagctc atggctgatg 540
caacggca 548

<210> 21770
<211> 630
<212> DNA
<213> *Aspergillus nidulans*
<400> 21770

cctacccgtg aattggcggg tcagatccag gctgaaatca gcaagttcgg aaagtcgtct 60
cgcatcagga aacttgtgt gtacgggtgg gtccccaagg gtcttcagat tcgcgatctt 120
tcccgcggtg ttgaggtctg cattgccact cccggtcgac tcattgatat gtcgaagct 180
ggccgcacca accttcgccg agttacttac ctcgttcttg acgaggccga ccgcatgttg 240
gatatgggtt ttgagcccca aattcgcaag atcatttctc agattcgccc tgaccgccag 300
acatgcatgt ggtcagctac ctggcccaag gaggtccgtc agctcgccag cgatttcctc 360
aacaactaca ttcaagtcaa cattgggttcg atggacttat ccgccaacca ccggatcact 420
cagattgtag aagttatctc agaatttgag aagcgtgatc gcatgatcaa gcatcttgag 480
aagatcatgg agaaccgagg caacaagtgt ctcgttttca ctggtactaa gcgcattgcc 540
gacgagatta cacgtttcct ccgtcaggac ggatggccag cactttgtga gtaccttct 600
ttcataagca gaaaaacagc ttgctaacta 630

<210> 21771
<211> 581

<212> DNA
<213> Aspergillus nidulans

<400> 21771

```
tectcttgtc atatctactc atccatctcc cggcgactcc tcgtcattcc agcgttttcc 60
agctcttcta gcatccagtc atggcaaagt cagtgcaga aaagggcgcc gcgactgtgg 120
cggcggacag tgaggtcggc caggtggctg actaccaggc gcatgaccat ggagccgact 180
ccgggctcag tcgtaccctg gagacgcgcc atctcctcat gttctccatc ggctcgtcta 240
ttgggatggg tctctggttg ggggtccggc catcgcttgc ctctgggtgg ccagcagcta 300
ttttcctggg ctactggata gcggggctcc atcgctgggt tactcaacca ggccgtgggt 360
gaactggcag tcctatatcc cgtcccgagc gcctttcctc agtgggtctg caagtttatt 420
gaccacgctg tagcactcac tgtcggctgg gcgtactggg tctcgggctc gatcacgctc 480
gccaacgagc tgcaggccat cgtcactgtg ctccggttct gggacgacac cgtgcccacc 540
gccgatggct gtccatcttc cttggacatc ttgtcataaa c 581
```

<210> 21772
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21772

```
agttatcctc ccatcaagcc caaactctca aggagtagtt cgagtcagtc ccagagacta 60
aaggactccc aagcggtga gcctgaaagc gaggcagatg tggatagaat ccgcgttcgt 120
cgcacctca cctcgtagg cgggctggac gaaaaggcca aaaagggtgtt cttcgccatg 180
cagaagcgcc aggtatccct aagaacagct gtcacagtct atttacaggc gtgcgaggag 240
tacaatgtaa gtaacaacag gaccgcgagc cagtgcagg agctaacagc gagcagggtg 300
gcgtgatgga aaagaataag gaccagatca aggtcaact tactaaaatt gttgacgctt 360
tagcgaaaac ctttcccgat ccagcaagga catctgcaga cttatggaag ttcgcaaaaa 420
tccatgaccg acgaggctat caacttatcc gctttgcgat ggctgctgtg agtgactatc 480
gcacggttat caaagctatc aaggagctgg cgagaaggct acaatccagc aataacacga 540
tcctgcatga gacacttact accctgttat atcgctgcag ctcgatcgtc tttaaccgaa 600
gtcatattcc cgccattatg agcatctccc ggtcagatga gaatggatta gcggctcccg 660
```

cgcatgagat gctgaaagaa atctcttcac tcaaccccga ggttttggag gctcaggtgc 720
aagagatatg caaagatctt gaggcccaag ccccaaaggc caccacggtg agcgctgccg 780
gtactgagga gatctcaagg cctgctccgg gtttgccaag aagctccctc gaagttacga 840
agagcggaag 850

<210> 21773
<211> 657
<212> DNA
<213> Aspergillus nidulans

<400> 21773

gaaaattcta aataaggaca agaagtacgc gttcatgcta tgtttagatt caaagtttat 60
taagaaagca caagcatacc cagacgaagg ttggtgtcaa gattttcacc gcagacatta 120
tctaccacct gttcgacgat ttcaccaagc acatggccga actgacggaa cgcaagaagg 180
aagaggccaa gctgctcgcc gtcttcccct gtgttcttaa gactgtcgcc gtctttacca 240
agaaggaccc catagtcacg ggtgtccatg ttgtcgaggg tagcctccgt ctacacacgc 300
ctatcgccgc catcaaaaca aacgcaacaa cgggtgctaa ggaagttgtc gaactcggtg 360
gagtgttaagt tttccattca cttttacttt ctcaataaac actaaaccat atgcagtgcc 420
ggtatcgaac gtgaccacaa gcctgtcaac gttgtcaagc gagggcaacc ctccgtcgcc 480
gtcaagatcg aaggcgccaa tcagcccatg tacggccgct agctcgaaga gtcggacaca 540
ctatactccc agattttctg tgcaagcatc gacaccctca aggagttcta ccggtcggat 600
gtctccatgg atgaatgggc tcttatcaag aagctcaagc ctgttttcga tatccct 657

<210> 21774
<211> 561
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 21774

gaccaccggg aacggcngaa gccgggagag aaccgaggg cccccaacgg catggtagac 60
aaccggcgag gcacgcgagg cagggggcac ggcagccga gggcagccgc gacgagccaa 120
ccgagggaga ccgaccgcca gcgccgagag ccagcgcgga ccaggggaag caaggggagc 180

ccggaaaagg ggcacgcgcg gggcgccgcg cggacagcga gagacggcgc agaagaaacg 240
aacgaggaga ccgggcacag gagcaggggg aggacggccc agacagggac gacgaggcgg 300
ggccacgagg gaggagggac ggaacccgcg ggcggacggc cggaggcggg ggacggggcg 360
gagcgagggg gcaagagaac gcggggcagc acgcaggaag gacacaagcg agaggagagc 420
aacaaccaag gagggcccgc agggagcgaa ggcggggaac cccagccag caggccaaaa 480
ggcggaaccc ggaagaagca agcgcccgca aagggggggg aaccacggg cagaaacccc 540
cgcgggggag ggaactcacg c 561

<210> 21775
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 21775

ttcttcctg ggctccaatc tttccgtctc gagggcttag aagcctgcaa aaggcggatg 60
tcgtcatcaa caacaactcc gaggtgcaga gggacttaca agccctgtcc aaactcgttg 120
atgcctttgc accaaagagt agtcgactcc agactaacgg agacctgggc gacttgggtg 180
accaagagct ttcgaaagcc gcggacgcca ttgatgccgc cgtccaaaga cttgcgaagc 240
ttaagagcaa acctcgcgat ggctttctcca cctacgaatt gaagattaac gacgtgatct 300
tggaggctgc gatcgccgtt acgggtgcaa tcgcgagct catcaaggcc gccaccgcgt 360
cccaacagga gattgtccgc gaaggacgtg gtagtgcttc caaaacagct ttttacaaga 420
agaacaaccg gtggacggaa ggtcttatct ctgctgcaa ggctgtcgcc tctcaacca 480
acacattaat tgagactgca gacgggtgtga tttccggccg caactcgcct gaacagctta 540
ttgtggctag taacgatgtt gctgctagca ccgcacagtt ggtcgctgct agtcgtgtaa 600
aggctacttt catgagcaaa actcaagatc gtctggagac tgctagcaaa gccgttggtg 660
cagcctgtag ggctctggta cgacaagtgc aggatatcat cgccgagaag aaccgcgacg 720
acaatgaggc ggtggactac tctaagctca gttcgacga gttcaaagta caggaaatgg 780
aacaacaggt attcttcctt cgcttctctg cttccgctat ccgcaacatt gaacatgtgg 840
atgattatct 850

<210> 21776

<211> 838
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 21776

caaaaaaacac aacnagacaa aaccgaaccc cacaacaaac acaaacaaca aaaaacccca 60
 acaacacccc cccctcccca aaaacgaaga aaaacacagn gnnngnnaag gggcgggagc 120
 gaccataaga caaaacataa aaccccccaac aaaaaaccca ccccaaattg tgagtgaaac 180
 agaacgcccc aacagcaaga cacgaaaacc taccaaggcc aacacaaaag ccgaaacaaa 240
 cacaccaaca caaacccgga aaagacacgg caaaaacgaa atacaccatc aaacccaaag 300
 aaacacccac cacacggaag aaacacatca caaacccac cccaacaaa cctaaccoga 360
 ccaaacacgc aaaaaagccg catgatcaag caaccaaatt aaccacaaa ccaccgaaca 420
 cctgccacac acaaacaga cccccccacc aacatgcacc accaaccac accgacaacc 480
 ccaaaaaacc caacacaaac ctcaaacc aaacgacccc aaaaaacaag aaaccaaaga 540
 gcactaaacc agcaaacc aaacgaacac aaacaacccc acaacgggaa cccaacacc 600
 aaccaaacc ccaccctccg caaacccac cacaaccca acaaagacaa ccgacaacac 660
 caacacaatt ccagaacaa caagaaccac caacccaacc cgaacacaa aaccccgaaa 720
 accccccaa accaaaagcc aaacaaaacc caaccacaa caccagcaa ctgaaaaaac 780
 ccaacccca cccgctaaga accccccca acacaccgca aaccaaacc aaaacccc 838

<210> 21777
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21777

gggtgagccg gtcagcgttt acgatcttga tgactacgag gagcgtggg gatacgttta 60
 caacatgttt caccggcagt acatgcacgc gatgctcaag gactgcgcgc tgcaggagga 120
 aggcaagggg gtgcctgtca agctgctggt taaccactct gtacgccaca ggatctattt 180
 tgtagggcat cgctaattgtc aacagtcca gaaaatcgac ctcgagtccg gcgtggtcac 240
 cttecgagaac ggcgtgacag cccagcacga cctcatcgtc ggcgccgacg gtatcggatc 300
 cgctgcccgc cgattatcg gcctcaacc cgagaagaag gctgctccct caagctgcct 360

gcatgcaaac gtcattgaccg aagatgccgt ccgtcttggt cttgtcgact actccaagga 420
ctctgccctc gagtactggg gtggccagga aggcaaattg gacaaaatcg tcctgtcccc 480
ttgcaacggc ggaaaacttc tctcgtacta ctgctttttc ccccgatgaag tgggcgacta 540
cacgtcgac acctggggcg gcgaagaccg ccctgttgag gagctgctcg caccataccc 600
agaactggac aagcaggcca aggatcatct ggccattggc attgaagtcc ggccgtggcg 660
tctgtgggtc caccaaccat acgaatacat cagcaagaac ctggctctgc tgctcggcga 720
cgcaggacac ccggtacgct tctccttctg cactaccctt ccgccaacta acagctgtgc 780
tcccagatga tgccccatca aagccaaggc gcgtgcatgg ccacgaaga tgccgctgct 840
ctaggcatat 850

<210> 21778
<211> 850
<212> DNA
<213> *Aspergillus nidulans*
<400> 21778

caacgacggc ggggtttcca cccaagggt gtcctgggtc gtcggcatga cgggctgtgt 60
tttcgctttt gctggagggtg atgccgctgt gcatgtatga gcctgaccct cttgtcctc 120
aaggaggata tgataatacc agatctgaca aaatgcaccc atagatggct gaggaagtgc 180
gcatgacgct tgtggcaatc ccgcgcgcga tcatgctttc ggtcctcatc aacggatcgc 240
tcggattcgg catgttgata gcagtcctct tctgcctggg caacctcgaa gaggccctaa 300
ataccccgac cggctaccca tacatggaga tcttcgctca ggcgacggat tccgtctccg 360
gcgccttggg aatgacctca atcactctca ttatcggcat ctgcaccata ttcggtcttc 420
tcgcagcaac atccccccag ttctggctgt ttgcgcgcga tcgtgctgtc cctggttggc 480
gcatctggag caaggtatct gcctacctac ctgactgctt gcttgtttat gacacttaac 540
tgctactaa cacgtcgtct cttcattcag gtctcgccca tcaactgcct ccctacctac 600
tcgatcctcc tcacaatgag cgtcacctgc ctgctgggccc tgatcaacat cggatccagc 660
gtggccctga atgcggtcgt ctctatgacc gtgtcgggtc tgtacctatc ctacctgacc 720
gtcggcagcc tgctgctttg gcgccgatgc acgggcgcaa tcacgcattt ccagaatggc 780
gaagacgaaa gtaaataacg tccccggcgc aaagcaggtc tggggcccgt ttcatatcgg 840

cggtatttgg

850

<210> 21779
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21779

atggtatgtc atatgtacct aacgaacgat tggggccggt aggggagtat gccattgttt 60
ccgcaacgat tgacgatgac aagttcaacc taaccacta ttacatcttc caaacggcc 120
tcagtgcaat ctacatgggc acgaattccc tatctcagcc tgcagtgggt gaactgcgct 180
acattgctcg tctggatgaat ctgcccgaag catacaagga gggcgaggtc tctgatatcc 240
gaaatggcga ggccatcgag ggaagtgatg tctatctcgt ggatgggtgag acgagaagca 300
aagtataccc accctctcta cttgggtgttt gaattgttgt tgaccaaggc tggatggcag 360
ttctactcct cccaacgttt catcgacgac tccgtttact gcgcctattc caccgacagc 420
agcgtgcacg cctgtttcct gtctgacacg cgctcgcgcg aaaagtcctc tggcggcccc 480
ttcttcagag acatcgacct taacctagtc agcgactacc actccttgac atactacatg 540
aactcggggc acgtacagac tgaagagttc cggaccgggt tcttcggggc gtatattctg 600
tccttcagcg gatcttccat cccctectgg tctgattttg acgtctcctt cttcgacgag 660
ctcgagttgg acggctacgt cgggtcctct ggacgtggcg tcgtgacagg gacagtgagc 720
gggacatcat cttctttacc taccatcgtc cacttctaca acgacgacta tcagtcctgg 780
gcgaatgcct cggacgacgg ctctttcacg tctcctgagt tagtggaagg ctctacacg 840
ctcgccctgt 850

<210> 21780
<211> 602
<212> DNA
<213> Aspergillus nidulans

<400> 21780

gaggatacct tctggttgct tgtctccatg attgaaaaga tccttccaaa gcactactac 60
gaccatgggc ttctggcgtc cagtgtgac caggtagttc tgccgccagta tatctcgag 120
gttctgccaa aactctccgc tcacctggag agtctgggtg ttgaacttga ggcgcttact 180

tttcagtggg tctctctccgt attcacggac tgcctctccg ctgaagcgct ctaccgcggt 240
 tgggacgtcg tcttttgtct cgacgttgca agcatcgtga acaagccagc cccctctaca 300
 tccacgcaa cttccagcac atctcaatcc gctaatacgg acggctcgag cacatcgaca 360
 cccacacctg cagacatgga tctaggaagc ggcagggcag gggcagcaca ttccttttcc 420
 aagtggcgct cgctcctca aactgaacga gcaccaactt ctaacgacct gctccactcc 480
 cgcagaactc tacacgtaca tcaaccattc gatgacgaac catgccatta gcattgatgg 540
 attaattcag gcgagcgagg cactgagaaa tgtggttagg ccggagatgt tgtagcaagg 600
 ag 602

<210> 21781
 <211> 635
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21781

acaatgctta tttttcgggc tccttggaag aagcacatgt catttatgat tccttgatta 60
 agaaagtgag cttagagggt tgctcgctgta ttgagccaag agttgggcca ctggagcttc 120
 agccactcta cgaagctttt cggcatcgct caagtatggt ttgctaccgc taccattgaa 180
 aaagtttgga ggatctctta ctgactttca cagttccaca tggtctatat ctttgctctc 240
 ttctcggcgt tcgtgaataa cagatcactc taccagtcgt tcggcttcca cactgaacag 300
 cctattatga ttggattcct cctcttctct gacgccctcg cgcctatgga tgctgtcggt 360
 aaacttctga tgaatctcct tagtcgcaaa tttgaatttg aagcgggtat gtgctaggtc 420
 ttagaagcgt tgcaatctca actaacggat tcaaagatgc atttgcagtc aacctcggat 480
 actcggagga gctctccag tcccttctca agctccagat ccagaacctg agcactatgg 540
 atgcggactg gatgtacgcc agctaccact actctcatcc catccttct gagagactca 600
 aggctctagg ctggaagggc agaaaagtta cagac 635

<210> 21782
 <211> 782
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21782

atgcctaccc gtctctctaa gacaaggaag cagtgagtcg ccagctccct atttttatatt 60
 tgcccccttt cgaattggtc cgacgatgcg gcgagaagtg gaaatcgatg aaattcgcga 120
 caagtctccg ctggaatcac gaacattacc gccagaatga gcacagggac tgacatatat 180
 cgtttttttc ctagccgcgg tcatgtatcc gccggttacg gtcgtatcgg aaagcacctg 240
 aagcaccctg gtggtcgtgg tatggccggg ggtcagcacc accatcgcac caacctcgac 300
 aagtaccacc ctggttactt cggttaaggc ggtatgaggt acttcacaa gaccagcaa 360
 cagttctgga agcccacaat caacgtcgac aaggtagctt ctggcagcac atgaaatgga 420
 gtatcggtag tcgcggatgg aatttgcaga acacttcgac ggtgaatctt tacgaggttc 480
 tatcgttgga tgggttcagg cattgtccaa aagcggctcc gaaccgcgc acttggtggt 540
 caaagctgat ggtcctactt tattagctgt ggtccctcgt tcccgccgag cagcgtgatg 600
 cctacattag cggccagaag accgacactg ccccgctcat tgaccttctc tccctcggtt 660
 actccaaggt tctcggaag ggccgtcttc ctgaagtccc catcgttggt cgcgcccggt 720
 acgtcagccg tgatgctgag cagaagatca aggaggctgg tgggtgtgtc gagctagtgt 780
 ca 782

<210> 21783
 <211> 396
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21783

cttttatcga aagggctgat gaaaacggta acctgctcga gtctaccggt gcctttaacg 60
 tcattgacgt gaatatcaag gggaccctaa atagtaagcg ttcataaga ccaagggact 120
 gcatactcac gacatcacag cgctacgtct agcaatccac tatatgcaat gctccccaga 180
 caggccagcc ggacgcaagt cgattgttct ggtcgctctc acatcaggct attttggcgg 240
 gacaggcgtg tcagcgtacg tctcttcgaa acatgcaatc atcggactgc tacgaagctc 300
 gcataacaca gccagcaaaa acggtgtcgc tgctactgcc gtcgcaccct tctttacata 360
 cactaatatc acagccaagg caggagcgcg atggca 396

<210> 21784
 <211> 850

<212> DNA
 <213> Aspergillus nidulans

<400> 21784

acagctaacg tatgagggtc tcatcgatga gttggttagga atcaagcaca accaagcgga 60
 cattgatacg acaattgcag gggccagctc aactccccag gcccaggagt cttccaaagc 120
 atctcaacag gctaagcaag gtcaaaagcg gaagattcag ttggattcgt ctgaccaact 180
 gttcagtcaa ctccgtgacg cgaattttgc tatagtcggc gatatcctga ataaggtagc 240
 acgtcgatta gcaacagatt atgagagccg tcatacagca aaaacgacaa ctgaacttcg 300
 cgagttttgtg aataaactac catcatatca actcgaacat caaagcttga gagttcacac 360
 caacctcgct aaggaaatca tgaaaaacac gcgctcagac actttccgca agatccgcga 420
 agtgcaacag agcgacgctg caggcgccga cccaacttac caacatcctc tcattgagga 480
 actcatcgcc cgggatattc cactgaagac aatcctccgt ttgctttgtc tcgaatcatg 540
 catgtccggt ggcctacggc ctaaagacct cgagagtttt aaacgccaaag tcgtccacgc 600
 atacgggcac caacgcctgc taacattcag tgctttggag aagatggagc ttctccagcc 660
 ccggtcgtct gcaaccacaa tgctaattcc cggcacgggc acccaaacgg gatcgaaaac 720
 aaactacgcc tactttcgca aaaatcttcg cctggtcgtc gaagaagtta gcgagaagga 780
 acctgaagat atcgcttatg tctacagcgg tttcgcccct ctcagcattc gccttggtgca 840
 gtgcgtcttg 850

<210> 21785
 <211> 645
 <212> DNA
 <213> Aspergillus nidulans

<400> 21785

gcaggtcgac tctagaggat cccctctctc ccctctatga tatcgccaac actcccggcg 60
 ttgctgctga cgtcggtcac atcaacaccc gatctcaggt acccgatcgc ttccatgttt 120
 tcatcttcgg tctagattcg atgatcgcc acgatttgct aattgtattg gcgataatct 180
 gtaaaatcct tgtcttttat gtgcgattgt catgtttcaa acaggtttct gggtagatgg 240
 gtgatgatga tttggggaaa gctctagaag gcgctgacct cgtcattatt ccagctgggtg 300
 tcccaaggaa gcctggcatg acccgatgat atcttttcaa catcaatgct ggcattgtca 360

agaacctcag catcgccatc gccaaagtatt gccacaagt aatcattctc tcttctctct 420
gttttttata attagatatt actgtttgtt cacattcact aaacaacgta ggttttgcct 480
tgcttactct tgatctggta tataccaaat gagtgcagatc ttgttaaatt tattctttgt 540
tgaatcaggc acttgcacac atgatcagca accctgtgaa ctccactgtt ccaattgcag 600
ctgagatttt taagaaggct ggtacctatg atgagaagaa attat 645

<210> 21786
<211> 515
<212> DNA
<213> Aspergillus nidulans

<400> 21786

gccgggtacg ggaaaaggat aaccaacgta tgggatatca gcctcgagga gttcgagtac 60
atgttaaaca tcaatcttcg ggcttcgttc gtcttggtca aaggagtggg ggaacatatg 120
aaggcgcagc gatggggccg tattgttttc atgtcttcga tcgctgcctc tggaggcggg 180
atcaatggat gccgtgcgtt tttctgactc ggtcatactt gcacttactt atcagcttag 240
attacgtgc gtctaaaggc ggactgactg gcatgatgaa gaacctctct acgcgtttgg 300
ctgagtacaa tatcagcgtc aacgacgtcg cggccgctat gataggcgat actggcatgg 360
ttccatcggc cacggctatt ccgggaattg catcgaatat cccgctgggt cgattgggaa 420
caccggagga aacggcaaata gtggtgacga tgctgggtgaa caccgggatat atgacggggc 480
agagtctgtt gctagctggg ggattgaagt agaaa 515

<210> 21787
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21787

tgatgttagg tttgacgaca atggtattat ggtactgggt tctggtgtct accgtatcgg 60
atcttcagtc gagttcgatt ggtgctctgt gaggacaatt cgaactctcc gtgagcaggg 120
acacaagact gtcattggtta actacaacc tgagactgtt agtaccgact acgacgaggc 180
tgatcgcttg tatttcgaga atatcaatct ggaaacggtg ctcgatatat accagctgga 240
gtcctccagc ggtgtgatca tgtccatggg tggtcagact cctaacaata tcgctcttcc 300

gttgaccgc ctcaatgttc gtattcttgg tacttcgcct gaaatgattg acggagccga 360
gaaccgttac aagtctctccc gcatgcttga ccgtattggc gtcgaccaac ctgcttggaa 420
ggagctcacc agcatcgaag agggccgtga gttctgtgac aaggtcggct accccgtgct 480
tgttcggcct tcatatgtgt tgtcaggtgc ggccatgaac actgtctact ctgaacatga 540
tcttgccagc tatctcaacc aagctgcgga cgtctcccggt gaacatcctg ttgtcatcac 600
caagtatatt gaaaatgccca aggagatcga gatggatgca gtcgctcgta atggtgtcat 660
ggttggccat ttcattctccg agcacgtgga aaacgctggg gtccactctg gtgacgcgac 720
tctgatcctg ccaccccagg acttggaacc tgagaccgtt cgacgaattg aagaagccac 780
ccgcaagatt gggaacgctc tgaacgtgac tggacccttc aacattcaat tcattgccaa 840
ggacaatata 850

<210> 21788
<211> 703
<212> DNA
<213> *Aspergillus nidulans*
<400> 21788

agcacaatcg gtatcccgat caagcttttg aacgaagcgc aggtacgctt gactgtcgcc 60
cttgccgata tcgcaacaag accctggaag attcaattta cagatgagct aacggtctat 120
agggtcacgt tgtcaccctc gaaatcacct ctggtgtcgt ctaccgcggg aaactcctcg 180
agggtgcggc ccatccaacc caccttacac cgtacatttg aagactgaca ggtttcgata 240
gcggaggata acatgaacgt ccaactgaaa gacattaccg tcacagcgcg cgatggccgc 300
gtctcgcatc tcgaccaggt ttacatccgc ggagccacg tacgattctt tattgtgccg 360
gatatgctac ggtgcgtcca gtctattctt ctatgatccg tattcggcag cttcgagctt 420
aaagctgatc acttactcgt tctatagaaa tgccccatg ttccgtacac gaggacagcg 480
cggcagaggt gtcggtctgg cgcgtggtaa ggcgacggtg cagagggccc ggggacagag 540
gagaggatag gtgtattgaa gatgaaaagg ggtcaatcgg atcagggctc agcgaggtag 600
gtaaggatac taccggactc gaaaagacgg attttctgcc cgtcggtaaa agtgtccgctc 660
agggcgggga tgcggccggt ggggtttatt tcgaggaacc agc 703

<210> 21789
 <211> 641
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21789

```
gtactatcag tctatcgagc gcacgcgtat ccaggtaaatt gcctgctttg ctggacagtc 60
tggatcgttt gcattgaagt gtgtgcggcg aaaggaagtt cggaaaggca tggttgttct 120
caaaaaattg gatcaacagc ccaaagtcta ccgagagttc attgctgaag gtactttatca 180
tcatagacca tggttggatt cttgctaact tatatagtcc tcatcctgtc tcatgcgacg 240
actataaagc ctcggtatca ggctatgctc catgtcgggg cggtgagcca aacatgctct 300
gtcatcgaca ttgaccgacc ttacattcga actggtgacg gtgccctagt tgccttccgt 360
ttcatgcagc ggcccgaaatt cctcgctcct ggtgatcggg tactcttccg agagggtaag 420
acgaagggac taggcattgt caagagcgtt ggatacgatt caagcaatcc attgagcccc 480
gaagcaagaa aagagtatga gcggaaagaa aagcactgat ctttctgctg gtgctgttcg 540
actctctcaa taccctcaa accctggccg agaagtcagc ggcttacgac gcgtcactat 600
atgtctgtct ttctgcatgc gagtggatct ttgagtcatt t 641
```

<210> 21790
 <211> 443
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21790

```
ctcacacttc aaatcttcta gcctcagcga tggatgatgg gacggtaaag atctgggata 60
tggagatata ttcccttcga cacacattcg atttggacca tgagattcaa aggattcagt 120
tcgacaagag catgtcctcc ctgattacga acgtcggccg tattcagtta gacgccagga 180
gtaaggctac cgagggattc gcttcgtctc aagtcctgga tcgaagtcaa gcgcaaggac 240
atcaccgcg gcgccaaggc tatggtttga gtgacgactt ttcttggatt acgtggaacg 300
gcgataatgt attgtggctt ccaccaggtt acaggccttg tatctcgact gtatccgtgc 360
caccgaaaga atctggaacc tcggtgattg ggctaggtac taaatcaggg agagtcgtgt 420
caatccgact ttcaggttta ggg 443
```

<210> 21791
 <211> 637
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21791

```

tgccctcggg atttcttggg ctactcctta acatcctgga tgctctctca tacgggatga 60
tctcttttcc gttgggagag cccatcttct ctcatctagg atcagatggg atatcgatgt 120
tctacgtgag tacgatcatt gctcagcttg tcttctcctg cgggggctcg atatttcgcg 180
ggggaatagg aagcgagatg attgaggtcg tccattctt ccaccagatg gcgtttacaa 240
tactaaaccg cgttgggcaa gataatccga aatcgggtgat agccaccacg atcctagcat 300
tctcggtcag ctccgtcctt acaggcctgg tatttttctt catggggacg tgcaagatag 360
gctcgcttat tgggttcttc ccccggcata tccttatcgg atgcattggg ggtgtaggct 420
tcttcttat tctgactggg ctccaagtct cagctcgatt gcctgggtct tttgagtttg 480
atatacctac catgcagaag ctttttaacc tggctgcact ggccctctgg gtaacgccgc 540
tgttgctcgc gattggctct cttgtcaaca agcgtttcgt cagatctaac tatctagttg 600
gtgcttattt cattggcgtc gccttatgat aaatatg 637

```

<210> 21792
 <211> 609
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21792

```

gcctgttctc tttgttcagg ccaaaggagc atgggcgcaa gcaagctaaa atccttacac 60
gcagtcaaac gatcgctcct tcgataacct aagatctgag acagcaagat ggaccctact 120
ttgaccatga ttcttatgat actggcttca ccgcgcccc aagaacaact gtatttgaat 180
cagctggtga catccttatg ccaccccttc cccagtcga ctacatagtc aatcccgaat 240
caaggccacg tacgatcttg cagcaccgtg ttaccaccc taaggacatt cccctccca 300
ttgtgaaccg gcgcagtgtg gcggcacgta catcccagg tagggatact gctgcaggtt 360
acgatatcgc gaaggacttt tcaaataacg cggggctcaa agtggaggaa aaaatcgctc 420
gggcttacca ccgaggactc tcgtggcgaa aggtccttgt tcgtttagaa cctgacgctc 480
acaacaacat aatcggtcgg cgtatgttca caaatgccta cggctggcca gtcgtgcagc 540

```

atctagtaga tgcccacttc gggccaagct cctcagaccc agagtatctc tgccaagaca 600
gcccgggag 609

<210> 21793
<211> 827
<212> DNA
<213> *Aspergillus nidulans*

<400> 21793

cagcgtgatg tcgagaattc tggatccgtg acgagcttcg cgtcaaaaat aagcaataat 60
gccgccgctg cagtgtctgc gtactgcctc tcctccatca gcatgaccct ggtgaacaag 120
tacgtcgttt ccggcgccag ctggaacctg agctttcttt atctcgctat ccagggtgtgt 180
tgcttgtctt gttttggtaa aaacaacaat aataaattta aaaatttatt atttctatga 240
cttctactat ttctttacgc cataaaagca agatggacgt taacttgacg agtccttcat 300
tggcactgta gcgataatgg tttgcaagaa ggctggcctt atccagaacc tcggcctctt 360
tgacttgaag aaggctcaga cgtgtaggag acttccaccc aaggcccagc ggtatgcaaa 420
cgctgacctt ttcaatcgca ggggtgccga tctccttact gctggtcgga atgatttata 480
cgggcaacaa agcgtgcaa ttctgtctg ttcccgttta tacgatcttc aagaacctga 540
caatcatcgt catcgctac ggccaagtct tcatggtcgg aggcagcgtg aagcctcttg 600
ccctgctgtc ttctggcttg atggtgctca gctccgtggt ggcagcctgg gccgacatcc 660
agatcgcaac cgccgcaacg cgaaaagcca gctctgactc ggcagtggcg accctgtcgg 720
ctctcaacgc tggttacgcc tggatgggga cgaacgtggt cttctccgcg tcgtacgcat 780
tgggcatgcg ccgggtgatc aagaagacga attttgacaa ctgggac 827

<210> 21794
<211> 533
<212> DNA
<213> *Aspergillus nidulans*

<400> 21794

acgcaacccc gcagagaatt gttcattaga tcgcttcttg cctcagcaac gaatgagagc 60
ctcgccgaac atttttcgca gtcctacgtg attaagcatg cagttgttgt cgtcgaccca 120
aagacaaagc agtctaagggt gtacggtttt gtgacgttcg cggacgtgga ggatgccaag 180

gctgcgctgg aagaattgaa cgggtcgaca ttcgaaggaa agaaaatcaa agtcgaatat 240
gcgagcctc ggcaccgagt tgttgatgag actggtggga agagtgtacc atccgctgag 300
gcactggagc gcaagaaaca gagggagcag caaaaggccg atacgcagcc cccaaagctg 360
attgtacgaa atctgccgtg gagtatcaaa acgcccgaag atctcgcggc gcacatccgg 420
agctttggaa aggtcaaata cgttactctt ccgaagaagg ggagacagtt ggcaggcttt 480
ggatttgttg tgcgtcgagg aaagaaaaat gcggaagcac ctcaggaagc tgt 533

<210> 21795
<211> 850
<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
<400> 21795

gaccgagcca cctgtcttgg actctcaaac ctggtgagac atttgactcg cccgagtgtg 60
ttgctgtcta ctccagcact gggattggag ggatgtcccg tcctctccat gggctgtatc 120
ggaaacacct aatgaagagc aagttcgca ccgaagaccg ccccggtgctc ttgaatagct 180
gggaggggct gtattttcat atcgaccagg accggatgta ccgtctcgca caggaggcgg 240
cggcgttggg cgtcaagctg ctcgatcatg atgacggctg gtttggggac gagcatccgc 300
ggacctctga tgatgccggc ttggggcatt ggatcccaa tccggccaga ttccctgacg 360
ggctgacgcc gttagtgaac aggatcactg cgtaaaggt cggaattcg cagagaaaca 420
tgcgcttcgg gatctgggtt gagccagaga tggtaaccc tcgatccacg ctctaccagc 480
aacacccga ctgggttctt catgctggca attatccacg cactgagcag cgcaatcagc 540
ttgtgtcaa tatgagtctg ccggagtgca ggagttcatt atcagcgca tgctggagat 600
cctaaacgcc gctgacatta catatgtcaa gtgggaccac aaccgcggcc tcgaggacac 660
catctccatg cgaaaccac gcttatatgc taggcgccta ccgctgttt gatgtcctca 720
ccaccgctt tcctaattgc atctgggagg gctgccatcg ggcgggggcg cttegacca 780
ggaatcctgc agtacttccc acaagtatgg acatccgacg acagcgaccg gtcgagcgan 840
tcttcacca 850

<210> 21796

<211> 775
 <212> DNA
 <213> Aspergillus nidulans

<400> 21796

cagcccatc tacaaggtga agatagtcca gatgatgttc gtcattctta gtgggtatat 60
 ctatagcgta tcgctaagta ccatataaat agacctatag aagccgcaaa actatcaaac 120
 gttacttgat cggtgatatt gccgaatcta cctattttac acagagagga cgcgtacagg 180
 cagagaaggt ttgacacttc ctatcccgat ggcccttgtc ccggattaac accataaagg 240
 ttttgtcagt gcaagacgaa gttacgaagc ataaaaaggt cgttgtacta cgagaatctt 300
 ggtacgacag tccatgcgat aaggatcatt atatacactt gatcggtgaa ttcgatatga 360
 acggccactg catcgtgagc gatgctcaga atatgattat aatccaccct gaccacctta 420
 tatccgcaac gggtatagcg gactcgatca gctgtcaacg cagggccgtg cttcaagaac 480
 gcacaaagcg aacgtcggac cttgggaagc cacaagtatt cggtaacatc ttccatgagt 540
 tgttccagga agccatgaaa gtggaatcga tgggatacag cgtttttgag gacattgatt 600
 gaagatattg cagtgagaca tgttgaagag ctatatctga tccacatgag catcaacgag 660
 gccgtggacc atgtgatgag tagaatacca ggaatacagc gttgggcaga gctctttctt 720
 cgtcggaaac caggtgtagg tacgatacta agcttgggtc tccctatagt gagtg 775

<210> 21797
 <211> 642
 <212> DNA
 <213> Aspergillus nidulans

<400> 21797

tcacctcgga cttttgcggc gatggctgtc aaaagaactc caacggcgtt ggatgtggcc 60
 agccagagta ggttgacctc atctctcctt gggagttgaa tgctgacgaa gatgtagccg 120
 tccgtcatgc tccgcaaata cagacgccat gtccttcaag cggcgcattg ggtattatga 180
 gctgttcaac tactacaagg gttgcaacgt gatcgagccc gagagtctca tcatcgagcc 240
 tttcacacac atcaatctgg cgtttgtcaa ctttggcgac gactacacgt tgattgacga 300
 atatggcgat atcgtcgacc gcgtctcgtt cctcaagttc tccaaccctg gtctgcgcgt 360
 gaatatcgct gttggaggat gggcatttag tgacgccccg acgcagcacc tgtggacgca 420

aagtaagtgg ccatccgcct gccattggtg catcttttga agatatattg atttcgccgt 480
 atagtggctc gctcgcacga gaaccgacag acattcatca actctgtagt aaagtacctc 540
 caggactacc acctcgatgg tatcgatatc gactgggagt atccatctgc atcagaccgc 600
 ggcgagacgac cgcaagacag cgccaacttt gtgacactgc tc 642

<210> 21798
 <211> 693
 <212> DNA
 <213> Aspergillus nidulans

<400> 21798

atcatgcgtt ttaccaacat tcttctgctc ttagccgggt ccgcctgggt tggagcgagt 60
 cctgttgctt ctggtgagac cgagatcggt gcgagacagt cgtcgtcgga gtactgggtg 120
 ggcactatag agaaccgtgg ggcggtgcca tttggggacg acgccgacta ccaagtacac 180
 cgcaatgtga aggatttcgg tgctgttggt gagtctttcc aggctcatgt acttgtatga 240
 gtgacttgag tgactaatag agtaggtgac ggtacaacgg acgataccga tgccatcaat 300
 aaggccatct cttctggcaa ccgctgcggt cagggtctgc actcgtccac cacgaagccc 360
 gccgtgggtt acttcctgc cggcacatac ctcgtctcca aaccattgt tcagtactac 420
 tacacccaaa tggttggtga tgccaacaac cttcctgttc tcaaagcgtc tgccgacttc 480
 tctggtatgg ccgtcgtcga cgcagacca tacaccgatg acggttccaa ctggtacact 540
 aaccagaaca atttcttccg ttcgatccgt aacttcgtcg ttgacctgac tgccatgccc 600
 caatcctctg gagctggtat tcattggcag gtcggccagg ctactagcct gcagaacatt 660
 cgctttaaag atcaaagcga gactcataga aca 693

<210> 21799
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21799

cactcttgtg tcctcaggcc aagaagcttt aattgagacg caagatgccc tgttcaatgt 60
 ccccgttcag catgccttgt ttggcactcc ttcgaaggcc atggaagagc aaattattga 120
 gcagcagctg gatcctacac cttactctct tcctccgatg ttgcctgagc caatttcaac 180

taagggtcgc tatacccata ttgaagtacc ctctatgcga cgattcgtca cggattctgg 240
 caagttagct aagctggatg aactcctgcg tgaactgaag gcaggcggtc cccgtgtgct 300
 tctttactta caaattacgc gcatgatcga tctcatgtag gagtacctaa cctaccgcca 360
 ctacaagtac ttccgcctgg atggaagcac aaagctgcaa gatcgtccag acacagtggc 420
 ggatttccag caacgtcccg acatcttcgt gttccttttg tctactagag ctctgtgtct 480
 gggatatcaat ctaactgcta aaaactctgt cattttctat gactctgatt ggaatccgac 540
 aatcgactcg caagccatgg accgagcaca tcgtctgggt caaaccagac aagttacagt 600
 ttaccgagtc atcaccgcgt ccactatcga ggagcgcac cgcaagcgag ccttgcaaaa 660
 agaggaggta caacgggttg tcatctcagg tggcgcagcc ggcgggtgtg acttcaacac 720
 ccgcaaccgc gatagcaaaa caaaggacat tgctatgtgg ctggccgatg acgaacaagc 780
 agagcttata gagcaaaagg aaaggaagc ccttgagcga ggtgaaacat tcggtgcttc 840
 aaaaggcggc 850

<210> 21800
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21800

aggagcagaa agcatcgacc ctgatgaacg gtattggggtt aaaacgtcct cttgaacttg 60
 gtccggatgg cttcccgatt ctcaaaaagc gaaagcgtgc accgaaggca gcaccgaaag 120
 ctccattaaa tgagatacca tgggaggggtt tcgattccga cgacgaggat aaggaagaag 180
 agatcggacc tggatcgcac gcaaaaagcg aagaagaggg cacgggctcc gatgattctt 240
 ctgaatcaga gagtgaagtt gacgacaacg gcgatagtgg tagtgatgaa gatgaagaca 300
 gaaaagatga ggaggatgaa gacgaagacg aagacgaaga cgtagatgat gatgaggacg 360
 aggatgaaga cgacgagaaa gaggatgatg atgacgaaga cgaagacgaa aataaactg 420
 atggacgaat taagccccga caatcagcct tcaaatacatg ggccagacaa caaatcaatg 480
 aagttgtagg ctttaagccc acatccggtc caataacgac tgagccacaa gtcatcccca 540
 aatccgcact tccagtcaga gctgtggagg aagagccact acctctagaa ctccaagtca 600
 caaagggcaa cccgtaccgg aaagccttca gtgttcaagt cgaccgtccc gaacatattc 660

aagaagcccg tctcaaactc cccgttggtg gcgaagagca aaagatcatg gaagcaatcc 720
 ataacaactc tgccatcgtg atatggggag ccacaggaag cggtaaaaca acacacgttc 780
 cgcaatttct gtttgagtct ggctatggga atcctgagag cgggaatcct ggtatgattg 840
 gagtcacttt 850

<210> 21801
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21801

agaagagtgt tgtacgaact cagagcccg aacggctcta tgaggccag gattctacgc 60
 cgatctcgaa ctaccaggat gatctgcact ccctctctc atcgcagaac tcagaacact 120
 cagaaccaga acacgcaaca acgccaggca gagatgcgga ggaccaagtt ccagcgaaat 180
 ccgcgctgga ctcggaatca gaagaagcca tgaaggtagt cccgcggctc tcgcgccgcg 240
 gcctctttgg ccaaatcacc ctgctggagg agatcgaaaa cccaaagtgc taccgcgcga 300
 gtaagaaatg gttcatcacc tttgtcgtcg cagttgcggg ctctgtcgcg ccaatgggga 360
 gttcgatctt ctttcttgcg ctttcacaag tagcagacga gctcaacgct acgacaacag 420
 tcacgaatct gacaatctcg ctgtacatgc tgagcatgtc tattttcccg ctgtggtggt 480
 cgtcattcag tgaacggctt ggaaggcgga cgatttacat agcctcattc gcgctcttcg 540
 tcgtgtttaa tgtcctctgt gcagtttcga gctcaattgc tatgcttatt gtcagagat 600
 tgcttagtgg tgggtgcttc gcgtctgttc aggtgttgg tgcaggcaca attgctgata 660
 tatgggatac gcgggagcga gggcgcgcta tggggatatt ctatttggga cctctgtgcg 720
 ggccattgat tgcacctatc gtgggaggag cactggcgca gcggtggcac tggcgaagca 780
 caatgtgggt ctttagcgcg tatggcgggt tcgtcgtcgt tctcattctt cttggtcttc 840
 cagagacgct 850

<210> 21802
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21802

gggtggtcga tgggtgctgtt cttgtcgttg atgttgtaga gggcgtgcag gcgaacaccg 60
 aacaaattat cagacatgca gtgctggagg atctccctct gacactgggt gtgaataaga 120
 tggacaggtt aatactggag ctgaagctac cgccgaacga tgcctacttc aaattaaaac 180
 atgtgatcga agagggtcaac acaatgattg aaaacgtcat gcctggccac ggtgagaaac 240
 ggcgattgag tcctgagaaa ggcaatgttg cctttgcctg tgcttcgatg aaatgggtgt 300
 tcactctaca gtcgttcgcg aaaatgtacg ccgatactta tcctaattatt gagacagctg 360
 attttgctat acgtctctgg ggagatattt tcttcaaccc aagaagtcga aaattcacc 420
 ggaaaggggc ggaggataat tccaaacgga cctttgtcaa gtttgtcttg gaacccatat 480
 acaaacttta ctctcacacg cttagcgaaa gccctgacga cttgaaggga actctcgcca 540
 gtgtaggcat caggctaaaa ccctcacagc tcatgtcaga cgcaagggtg ctgctcgacc 600
 tggatatcga gcagttcttt cggcctgccg agggttttgt ggacatgggt ttacagcata 660
 ttccctcgcc cgggaggggtg ctaagagagt tttggaacgt attatactgg cctctagaca 720
 ccaattggaa ccgtattgcc aactggatcc gggtgaccct tgggtggccat gtacaaaatt 780
 tggaaaacca tctctgcgt tttatgcttt ggaaatctga tgccctgttg gcagatgcaa 840
 accggtcctt 850

<210> 21803
 <211> 663
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21803

acaagcttag aaagccacga acgcaccaac gccgccggca atttagggcc cttctttcgc 60
 gctgacaccc ccttcgctc aaacggcgaa agcatcgtca agacagcacc gaaagagaaa 120
 gacggtaaag gcgagatagc ctacatggct ggccaagtga tggacttagt caccaaaaag 180
 ccgctggttg gcgcggtggg ggaggtgtgg caggcttcta cgaatggact gtatgagcag 240
 caggatcccc agcaggagga gtttaacctg cgcgggaaat tcaggactga tgaaaatggg 300
 aggtactcgt tctattgtct gcggccgacg ccgtatcctg cgccggatga tgggcccgc 360
 gggatgctgt tgaagttgat ggataggcat gtgttcgcac cggcgcatat tcatatcatt 420
 gtatgttcta ccgtctcctc aggtttgtgc ctaagggcgc tcaggatatc gtggctttgc 480

gtgttatgta tactaatgtt ttgtctgcag gcaacacacg acgggtacag gcctctcacg 540
acgcagatat tcgaccgaca ggacccgtat ctgacgagcg acgcggtatt tgccgtgaag 600
gaatcgttga ttgtcgattt cattgagcgc aagggtgacc cacaagctgg gcttgagctg 660
aac 663

<210> 21804
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 21804

agcctcagct aggttcgagg gtggatattt gattgaaggg actccgtatt tcggtccgac 60
gctgaactgg cccgcgacta ctgtattctg gagacagttg cgcaacctca ttctagacac 120
tacggacgtc gccgcggaaa cgcagatcag tggatatccac tagccgactg cgcaagcgac 180
tagcctacag aatcttgttt tcgaactgaa tgtcgaggag gggacggagc atcaggggat 240
gttctgtgag agtggtagt ccttgcctcc cggcggcagc taagaaacta gcaaagagat 300
actgactgca aacctcaaag gttctgctgg attcgccggt aatatcgtct tcaatggagg 360
caaaattgcy gcagccctgg gaaaccagca gttcaccatg cgcaacctga cttcaacca 420
cgctaaaact gccatcaacc actcttgga ctggggctgg acataccagg acctcagcac 480
caacgactgc gaggttggga ttgatatttc gactggcggc agcgacaaca agcgttggct 540
ccatcacggt ttttgacagc ttcttcggaa cacaccggg cgcagtcgag tcgccatgcc 600
gacatttagc agcatatact gaaacggatt gtgaaacgtg cattgcgaag ggcccgtggc 660
tgggtctaggg tgtaggact tgggtggggc tgggcccggga catcctcctg tggccaccat 720
tgcgtgcaaa ggggtgggct gagatgtgac gggagttaa ctcagccaga cggtttttgt 780
tgtttcacgc ggggggcccg tggaccgcca ctgcgcaaag ttttgttccc ttcagcttaa 840
atggtaaagg 850

<210> 21805
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 21805

gtttcttgac attatcccaa gctaacagcc gcgagactcg acttcacaat gtgtaatcca 60
ccattctact cttcccaaga cgaaatggta gcctcggcaa aggacaagga tagacctcca 120
ttttcggtat gatcctggat tcgttagaac gcatgctcca ctacaactaa ttccggaaaa 180
ggcatgcacc ggcgagaga tagaaatggg cacacgcggc ggcgagatg ccttcgtatc 240
ccgcatagtc acagagagta tcgctctcca agataaagtc ctctggtaca catccatgct 300
cgggaaacta agcagcgtct ctacacttat cgaaaggctt atcgaactcg gtaacacaaa 360
ctacgccgta acagagtttg tccaaggaaa taagaccagg agatgggcaa ttgcttggtc 420
atgggcggtat cgtcgtccag ctgtggtatg caccatcat ttcaataaag aaaggatttg 480
aagcccaact catactgctg 500

<210> 21806
<211> 592
<212> DNA
<213> *Aspergillus nidulans*

<400> 21806
accctgagcg gtggtggggg cagtcgtgcc atctcctgag gatttttctc tgccacgtct 60
gccgtgctgt gcgctggggg ggtagatttc tcctcgggta gcgcgctagg cgtaatatcc 120
tcagcctctt cggatgatgtt ggcgactaat tcgaagtcac cgctctgctc gagcaccagg 180
cgagcttttg ccatgcagtt accagccgct cgcacgcaat cgggttgccgc atcaaccagg 240
cgcttgccct cgtccggcat gaacaccagc tcctcgtcgg gcgagttagc gggtcgaaaag 300
gcacgcgag cagcaaacac tagttccgac aaccgttcat acatgggtatc tttggcctgt 360
tcacgcggag tgctgccctg cgcacatgt tcgcagacgg cttcaatcac cgtcagcagc 420
gcacggcaag agcgcactgc ctgctcggtc gtgataacta gttcagttga agagcgagat 480
tgtagatgca gaccaataaa ggagcctaag acccccagga acgcatcgta cgtggccgta 540
agaacgctcg aggcgagatt ttgttttcgg cggcggccgc ggccggccac tg 592

<210> 21807
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 21807

ctagaccatc atgagatcaa caaccagccg aaagggacaa acgtccatta cccatttgat 60
gaacttttct cttccccac gaccagagta ccacccgccg ccccggaatc ctcgccggtg 120
taactcatgg ggtctcggct ctggctacca tgcgatggac aaagctcgct atgtgcatgc 180
aaactaccgt tttatcgtcg ccccaaaccg agcatatcat gcccaagcag cgaatgctga 240
tgtccacctg gactgggact cggttcttca aattctcgtg tctgccaga cccagtcgtc 300
cagctgcca atctgcttgt ctacgcctgt agcaccgca atggctcgat gtggcatat 360
cttttgtctg cttgtctaa ttcgttttat gcactcgaca gacgacgatc atccagtccc 420
tgagaaaaag gcgcgctgga aaaagtgcc catttgctgg gacagcattt acatttcaga 480
aacacggcct gtgagatggt tcagcggcca ggaaggcgtt ctgcctttcg agggcgggtga 540
tgtcgtgcta aggctcgta agcgggatcc cggtagcact cttgccttgc ccagggatgg 600
cgctgaaagc cttgcccctg gggaagatat ccctggtat catgccgcgg aggttgcaga 660
ctatgctcgt attatgaaag gcggagaaga ttacatgatc tctcaatata aactgagat 720
tgaagacttg cgcagacagg agcaagaaga tgaagtctg tttggagacg acacaacatg 780
gacaaaaaag gcagtggcgg ctataaacga tgcaaacag aagttgcaag gaatagggaa 840
tcctcctgag 850

<210> 21808
<211> 539
<212> DNA
<213> Aspergillus nidulans
<400> 21808

tactactcca ataccaaggc cgccgagggg gactatatga agagaaaatg gaggcggatg 60
caagatgtac gttgccgtgc tatgttattg tgctagaaat tgtattgaac aagtgcagtc 120
taccgctcct gcaaagatga tgatgccatg ttcaacacga agaaacgtga agctgaagga 180
gtcatggaaa tggccaaggc ttatggtgcc cttattgatg tcctcggggg ccctgatgcc 240
ttccttcagt ggaagatgat tgagactggc atgtacgaga gactggctct ggcaaacggt 300
caagccatcc aaggccttca accaaagatc accacatgga ataccggagg caagtggcca 360
aggctcttca ccattggacc ccactaacag thtagacaga tggtgcaagc ggttctggtg 420
atgcgatggg tccaatccga catataatgc agggctctgcc tccgctatta agcacgatcc 480

acgatcagac tggcatcaaa cctccacaat ggtttgctca gctaccagat aacgaaagt 539

<210> 21809
 <211> 573
 <212> DNA
 <213> Aspergillus nidulans

<400> 21809

gttatacact gaagccacgg agccagcttc gaaaccaaaa ctaacagagc caacagagcc 60
 gattctcaag gtctcttcgt taccaatacc aaagccaatt tcaggggtcaa tattcacgcc 120
 catctcagtc atcgccgcat ctatcaacgc cattaccgac tccctctcat cgtcactcaa 180
 agaggtcatt ccccgctccc tcaccaaacc aagctcaata ttttcgtcac tgcgtacgga 240
 gcctgtaata gagactatcc cccggccagc cacagaaaca cctccaaagc ccgctttatc 300
 gttcgtctct gtatccatat ccgaatgcat cgactccgag cttgtatcag aagagacctc 360
 gacgtccgtg ggggaaacga tcccagactc ggcttctgag tctatctctg aaggatcaga 420
 ctcggtgtcc gttaggacat ccgagtacat ctcatcgccg gtttctgcgt cggttccagg 480
 aaacgtttct gaatcggtga ttgaattcga atccatagtc caatctgggt catcgggcga 540
 atcagtcggt atgtgtataa tccatgggtc ttc 573

<210> 21810
 <211> 407
 <212> DNA
 <213> Aspergillus nidulans

<400> 21810

ggaacgccga accggttgga gctgatgatc catgtattca ctttatacat tccgaccagt 60
 ctacataaaa cccagctggt agctggtggt cgtgatatcc tagtgtggac aggatttcaa 120
 ggcacaattg gcatacttgt gccatttggt agccctgaag aagtcgactt ttttccagag 180
 tttggaaatg catctggcat cgcattgccc gccgcttgcc gggcgcgatc acctcatcta 240
 ccggagctac tactcgccgg tgaagggagt tattgacggg gacctgtgcg aacagcactt 300
 ccttctgcct aacgatacta ataagatgat tgctgcgcaa ttggatcgct cagccaggga 360
 gactgagtga aagacctcgg tctgtacaat cgtgtcgtta tcccttt 407

<210> 21811

<211> 573
 <212> DNA
 <213> Aspergillus nidulans

<400> 21811

```
gaagaaggat tctttcagca gccgaacggt ggttcggtgc tgttggatga aataggggaa 60
atgtcaccac ggatgcaggc gaaattactg cgtttcctta atgatggcac tttccgctcg 120
gttggcgaag accatgaggt gcatgtcgat gtgcgggtga tttgcgctac gcataagaat 180
ctggtcgaac tgggtcaaaa aggcattgtt cgtagaatc tctattatcg tctgaacgtg 240
ttgacgctca atctgccgcc gctacgtgac tgccgcagg acatcatgcc gtaactgag 300
ctgttcgctg cccgctttgc cgacgagcag ggctgcccgc gtccgaaact ggccgctgac 360
ctgaatactg tacttacgcg ttatgcgtgg ccgggaaatg tgcggcagtt aaagaacgct 420
atctatcgcg cactgacaca gctgtacggt tatgagctgc gtccacagga tattttgttg 480
ccggattatg acgccgcacc ggtagccgtg gtcgaagata caatggaagg ttcgctgcaa 540
aaaatcccca accgttttga acgctcggtt tta 573
```

<210> 21812
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21812

```
tgtgcgttgt aacattccaa tgggtacttct ggggttactc gcttgctttc tctcccaccg 60
ctacaaatgg atacattgga aacctgcgca atttcggtct gatgaagggt ctggcggacc 120
ccagcccagg gtctcctctg gttcctaacc tctctacgc cttctaccag gtattcacca 180
ccagaggcct tgcaactggt tcccccttgg ctgacagtcc tagatgcaat tctgtgccgt 240
aactgctgct atcattatgg gagcgggtgc cgaacgtggg cgtcttcttc ctgccatggt 300
ctttactttc gtctgggcca caatcgtgta ctgccccatc gcttgctggg tatggaatgt 360
caacggctgg gccttcaact atggcgtgct ggattatgct ggtggtggcc ccgtcgaaat 420
ctgctccggt ctttcggcgc tcgcatactc tatggtcttc ggtcgtcgcc aggagcgcac 480
gatgctcaac ttccgcccc acaatgtttc cctcattctg ctcggtaccg tctttctctg 540
gttcggatgg cttggattca acggtggctc gtcattcggt gcaaacatgc gcgctacgat 600
```

ggcatgctgg aacacaaaact tgaccgctgc tttggcgcgga tcacttgggt tattctcgat 660
 tggcgccctgg ctcgcaagtg gtcgatggtc ggttgggtgtt ccggtacaat ctccgggtctt 720
 gtcgctgcta ctctgcttc cggtttctt cctccctggg ctagtggtgt tctcgggtatt 780
 gtgaccggca ttgtatgcaa ctactccacg aagggtatgc tcgtcaatta atcctgcatg 840
 tcgtttgaac 850

<210> 21813
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 21813

aaatatagat ataaataaaa aaaagaaaag gaaagagacg aagtanacaa gacagattaa 60
 agaaaaaaaa gaaaacagaa agagtagaaa attagtaata aaaantaaaa aaaatataaa 120
 aaaataccgg attcaagaaa tagataacgg gtcaagaatg taatnggaga gcaccatccc 180
 gtccgttaat tgcaaaactg gaannnacat gaccgcccgc gatagcatga agatcacccg 240
 tttcgncna nnggaccatg gctccctccc gcacacaact gtcgaccgg tgctccttgc 300
 agcgcatatc gtggtccgat tgcaaggcgt catctcgaga gagcttgacc ccgacgacgt 360
 gggcgctcctt accgtgggaa gtctgcaggc tgggcagacg gagaacgtca tctctgataa 420
 agcagagatc gggatcgact ttcgctcgt ctcgctcgaa acgagagaga agatcctaag 480
 ctgggtctcc ctatagttag 500

<210> 21814
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21814

actcgggttc tcatccatga tgtcgatcca atttgcactg agatttgcag tccaaattcg 60
 caggcaccat gggactacga gaaagactcc aagtaaaaca aggcgacgcc agcctggcca 120
 ccgaagccgt tgcctccaac aaagacctcg acccgatccc gtcgactcg cccaaacgca 180
 cgtggagatg gccgtcacta ctggggttct gggtcgccga ggcgtttagt attagcatgt 240
 atcaaggtag tgtccgctcc cgggtggagga ctgttttagg gctcgattag gctgactcgc 300

gatgctagtg acctcgactt cggtcagtaa gggcctaagt gctccaatgg ccattgcggc 360
tgtgggtggc ggacatattc tcgtttgtat tccggctatg cttgatgggt atgtattgcc 420
cgttcccctt ctttgcatta aatgatgcgt ggagaatggg tacaggttgg atagcggtta 480
acgttgata atagctacgt ggggtgccatc tttggcatca acttccccgt ctacactcga 540
gccagcttcg gtatgaaggg gagctacttc gccgtcttcg gtatgcttcc tccagactct 600
cctcttacac ccacacagcc accgcctcta acaaagggca tgcagttaga gggattgtcg 660
ctattatctg gtttggcacg cagacgtacc aggccggcca atgcgtgtct accatgctaa 720
gcgccatctg gccgtccttc aaccacttcc ctaaccacct cccatcctcc ggcccaatca 780
cctccgccga actcctctgc ttcttctctg ccatcatcct gcaagcgcca ctgctatggc 840
tcaaagtgtc 850

<210> 21815
<211> 675
<212> DNA
<213> *Aspergillus nidulans*
<400> 21815

agctattaga catggtgaaa gttgtcagct aatctctgga gaagccggga tatggaagaa 60
tttaaaaaat tttgcacaat ccaaacacca cccctactg ctttgttcag gttattagat 120
ttggcagggc tcataacgtc gtctgtaagt ttgcatcttt ctacgatgtt gtgctattcc 180
gagtaaaagt ctaaccttcc cgaaggcatg cgccaggata aagtgccttc aagattgcca 240
agcaagtaaa gagtgaagtcc accctcgagc taagcagttc ttgaagctgc tgctcaaaag 300
ccccgacgcc tcgcaaaact tcaaatttgc cttccctgag aaaaaactga caaccacaga 360
ctttgccgtc atctacctct gtgatattga cgagggtgcc gagttcaata caatgtatga 420
actttttgat ccaatgacga tcatgttctt cttccggaac aagcacatca tgtgcgattt 480
cggaaccggt aacaacaata agttgaactg ggtccttgaa gataagcaag agttgattga 540
tatcattgag acgatctaca agggcgccag gaaaggaagg ggtcttggtg ttagcccgaa 600
aggtgagtaa cgtctcttgt aatgaatgat gaatctggct aatgattgat agattactct 660
acaagatacc ggtat 675

<210> 21816
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21816

tctgcagtga agtgagcatg atgctaattg attgttcatt gatagcttag tgagaactca 60
 gagttcgcac gaaaatgtac agaagcaggg ctggtcttta ttggaccgcc gtggaaagct 120
 atcgaggata tgggagataa gaggtgcgtc tacttccttg aggcttctct acgatatact 180
 aacattgtac ttctgcagtc agtctaagca tatcatgact gccgctggag tgcctgtgtg 240
 ccccggtac cacggtgaaa accaagacct taatttcctc gaagcggagg ccgataaaat 300
 caaataccca gtgctcatca aagcaatcaa ggcggtggg ggcaaaggaa tgagaatcgc 360
 tcgttcaaag gaagagtttc aagcgcagct tcagtcggcg aagtcggagg ctatgaactc 420
 ttttggggat gaccatgtcc tagtcgagaa atatatcaca acaccgcgac acattgaggt 480
 ccaagtcttt gctgacaaac acggaaattg tgtagcgtg ggagagcgag attgcagcat 540
 ccaacggcga caccaaaaaa tcctggaaga gtcaccggct cctcacctgc ctgatgccac 600
 aagaaaagac atatgggcaa aggctcggtc ggccgcgtta gccggttcgc tacgaaggcg 660
 ccggtacagt tgagtttatc ttcgacaacg atacgggaga gttcttcttc atggaaatga 720
 atactagact tcaggtggag catcccgtaa ccgagatggg cactgggcaa gatttgggtgc 780
 aatgacagct gaaggtcgcg gagggcgccg agcttcatt aacgcaggaa gaagtggaaa 840
 acaatatagc 850

<210> 21817
 <211> 407
 <212> DNA
 <213> Aspergillus nidulans

<400> 21817

gctctccttt aagctgggct tcagtcgtga ggacggccac accaaggtcc agcgcacgc 60
 tttggtcgcg ggtgaactca cccgcgccgg tgccgcttgt tatcgctgcc ccattgctc 120
 cctacgagca ctctgcaag ggggcccgtg aggtgtcca gagcaccggt ggctctttct 180
 tcttggttca cgtcaacact cccctcgaat actgtgaggc cactgacaag cgcggtatct 240
 acgccaaggc ccgccggtg gaaatcaagg gttcaccgg tgtcgatgac ccctacgagg 300

ccccaccaa cgccaacctt gtggtcgacg tttccaagca gagcgttcgt tccattgtcc 360
atgagatcat cctcatgctc gagagcgagg gctactttga gcgtctg 407

<210> 21818
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21818

gtatacatta tggtatgtcg tctccatgaa tgcgctttga tgggctgctg actgacaacc 60
cagtgtttgg ccatgaatcg gtctttgact aacgtcctgt ttggtggaat tgctgcccct 120
caacaagccc agaagaagat tgagggcaag gtcacccaga ccagcgtgga agagacagtg 180
gactctctag caaacgcaga aagcgtcatt attgtaagta tcaatccttg gcacaaggcc 240
tctgtcata ccggtagggtt gtcggatatg gcatggctgt cgccaaggcc cagtatgcgc 300
tcgccgaaat caccacatg ctgcgcgcca aaggcattaa cgteccggttt gctatccatc 360
ctgtcgctgg ccgtatgcct ggccaatgca atgttctact cgcggaagct tccgtgcctt 420
atgacagtta gttacctggc caccacaacc tttcttcgtg ctgactagta cagttgtctt 480
ggaatggacg agattaacga tgactttgcg gacaccgacg tgactcttgt cattggagcc 540
aatgataccg tcaaccccat cgactggaa ccagactccc caatttctgg tatgcccgtg 600
ttgcaggcgt ggaagagcaa ggaggttatt gtgatgaagc gtggcatgtc tagtggatac 660
ggtaggcctt cgccttccct tcttggtttc accatactga cttaagatag ccgatgttcc 720
caacccgatg ttctacatgc ccggcaccag gatgcttttc ggagatgcaa aggccacgtg 780
cgacggtaag tgtatttctt gttcgggtatt gaggcttatt ctaacttctg cagccatcaa 840
agcaaacctc 850

<210> 21819
<211> 506
<212> DNA
<213> Aspergillus nidulans

<400> 21819

ttcaacgaaa aggaatttgc tttctcattt ggcataatgt ctggagaaat ggaaatcgac 60
cctccggtct cgcaagagca agccgagccg cagacaagca acagtggcac cgatgctcga 120

acacacgacg gcgctgttgc cgtgcgcagt atcgaaggat ggattataat agcgacgaac 180
attcacgaag aagcttccga agaagacgtg acggatctct ttgcggagta tggcgagatc 240
aagaacttca gcctaaacct tgaccgccga acgggttacg tgaaggtaga cttatgcaac 300
cctctgtttc tgaagctttt agcatttttg tttggttctg cccgggtatt aatattttctc 360
ttgtataggg atatgcattg attgaatatt cgacgctacc agaagcagct gaagctatca 420
aggaattgaa cggcaccaag ttgctcgatc agacaattga agtcgactac gcatttgtcc 480
ggccaccgcc atccaacaaa gggaag 506

<210> 21820
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21820
gcaacgactc caccggcgga gcaccgcaga agctctctgg aaatcgagaa gtgggcttct 60
ttgccgcagg acacatgaag gaccgtacgc ttgttatgta caagaagcgt gatggcctgt 120
cgtcgacgtt caaggtttgt ttgagtagaa tcattgatga acctgactaa agtgaaatag 180
attctggaac ctgtttctgca gaaatctgcc tcaagtcgaa gtcgattttt cagttctcgc 240
cgatcgaaca ctgagttttt ccgtgaatat gacgagttct acatccccgc cgagagttac 300
ggcattaacc tgttccattc gtcccttgct atatcgaccc agaaaggcat cgagattcta 360
acgctcgata aaaaacagac ttgggtctgtc cctgagttcc gcaccgacgc ccaggaagcc 420
caggctcacc tcagtgagat tggccgccgg attagtggtc ttcgaccgct ggggtatgttc 480
cgtctcagcg acacggagtt tctggttacc tacaccgagt gtgcggttta cgtcaatcag 540
cacggcgacg tctctcgcag tgtggctcta gaatttgtcg gtcgcgctca ctcggcttgt 600
ctttacggca agttcctgat tctcttcaac gacgactttg tcgaggtccg caacgccatg 660
aatggtcggt tacgccaggt cattccccgc cacaatgttg tctgccttga tgatggtagc 720
cgctccctg gctcgggagt gaacagtata ccaaccagct ctggcgacac cgtcaatctc 780
tccagtggca tctcgaatgg agctccgttg gctaaccaag gccgcacggt caagatttgc 840
atgcagcatc 850

<210> 21821
 <211> 462
 <212> DNA
 <213> Aspergillus nidulans

<400> 21821

```

agcgggtcaaa cttgcaagcc caaccgactc cgggtctcaga ctagttgcbt ctacactggc   60
cgtaacttgt tctagcgtcg ctacaggcctt cttgattaca tgggtccaaac gcctgaaacc  120
aactattatg attggtgaca tattttctgct cctaggaggc ttggccgcag cgatgatggg  180
cgccaacacc cctgacatcg tggccatgac ctgtgtttct ctcgcaagtc tcggtcaagg  240
atttgctttc cctacgctga tggatatctgt cctcgccact agtgaaacgg atgagcaggc  300
cgtggctacc acaacattag ggctcttccg gaatctagga tctgttatgg gagtcgcbac  360
gagcagctgg gtttttcaga atgcactgaa tttaacagct agaagagaag gtcacgcaac  420
cggacaagga cgcggtcatt cagcttgctc gaaaatccgt cg                               462
  
```

<210> 21822
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 21822

```

cgttttaaagg attaatcatg aagttgaatt ttaagggatt ttttaaggct gccggtttat   60
tcccactggc gctgatgctt tcaggctgta tctcgtatgc tctggtttcc cataccgcaa  120
agggtagttc aggaaagtat caatcgcagt cagacaccat cactggctat cgcaggcaaa  180
agatagtaat ggaacaaaag gctatgtttt tgtaggggaa tcgctggatt accttatcac  240
tgatgggtgcc gatgacatcg ttaagatgct caatgatcca gcacttaacc ggcacaatat  300
tcaggttgcc gatgacgcaa gatttgtttt aaatgcgggg aaaaagaaat ttaccggcac  360
aatatcgctt tactactact ggaataacga agaagaaaag gcactggcaa cgcattatgg  420
ttttgcctgt ggtgttcaac actgtaccag gtcactggaa aacctaaaag gcacaatcca  480
tgagaaaaat aaaaacatgg                               500
  
```

<210> 21823
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21823

ctttggacaa aaacgaccac cgaggaaaca tgaagctagc ctttgatata gccgcgaacg 60
aagtcggtat ccctgatcta ctcgatgtcg acgacgtgtg cgatgtcgcc aaacccgacg 120
aacgatcctt gatgacatat attgcgtact ggttccacgc cttttcccag ctggagaggg 180
tagaaaatgc gggacggcgt gtggagaagt ttgtgaacaa catgcacggc gcatgggaga 240
tgcagaactc ttacgagaaa agaattgagg aactcttacg attgattcgc gccacgctg 300
aagagtggaa aaacgcctca ttcgaaggga catacaagga cgcaaaggag caggcctccc 360
agtttgccat gtataagcgg aaccagaaac gtcagtgggt agcggagaaa tcagacctcg 420
cagctctctt gggaaatatc aaaacgaagc ttagcacgta tcgccttcgt gcttatgata 480
ctccgccaga gttgtctccc gaagcctgtg atcaagagtg ggaatgtttg acccgtgacg 540
agcatgagcg cagtcagctc attaacgaaa ccattcgaga tattaagaac gctctgcgcc 600
gctcattcgc agataaagcg aacgacttcg cgcttacctt gaagacgctg tctcttgcaa 660
tctcaggcct tgacggagac gttgaagatc aacttgccca cgtcaagcga ctgaacgaca 720
acttaccgcc gtcgatgcc ttcttggaac ctattgcgga gcttgatgag caatgccagg 780
aagcaaatgt tgaagagaat gactacacaa catatacatt ggacgaactg gcttatgagt 840
tgagcctggt 850

<210> 21824

<211> 547

<212> DNA

<213> *Aspergillus nidulans*

<400> 21824

caggaccgat cggcacggcc acaaaaaaac aagccgcacc gattaagcga acaaaaggaa 60
aaccaccccc cggggggaga gaaaagcaga caccggccgg acccccgcgc aaaggaagaa 120
aagcaacggc accggcaaac gggcaagaag aagaaccgcg aagaaaaacc ggggtcggga 180
gacacacccc agacacagaa cggaacggga ccacccccca acaaaggcac cgagagggac 240
ggcaccgaaa cgaccgccac ccaccaaacc ggcaaagcag acttaaacac cgacacacac 300
atcctgagac gaggcaacgg acaccagaag aagccaaaca cgccgaaagg aaaacaccgc 360
gcccaggagc gagaggagcc ccagaacaaa ccggaccagg tcccgcaaac gggggccagg 420

aacaaaactt cgacaggggg accaaacaca agggagtggg aaaagggcca gaacacaagg 480
 ggacaccaa agggccccag acgggaagcc gggccgacaa gggaaaacgg agccaggccc 540
 gcgcccc 547

<210> 21825
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21825

ttgaccagaa tatgctgaac actgtcgtat cgaacaacgc tcgttatgga gtgatgggag 60
 ctttgggagc aaaagatgcg atcatatctg atggcgccgc gacccagtat gacaccggat 120
 ctctatgca agaaagtgcc tacattggaa ctctgatcc cgactogaac ttttctccaa 180
 ttcgccaggc gggcgccgaa acccccgggtg gggtcaccga ataccagcct tctggtggct 240
 ttggtggatt cagccctgca gccaccagcc cagcaggtta ctgcccagc agcccccttca 300
 gtgccaaccc tacatcgctt ggctattccc caacctccag ctactcccc acctctctctg 360
 gcatgggtat cacaagcccg cgcttcatga catccccggg tttctcccc gccagtcgct 420
 catttgccg gacatccccg gcctactcgc ctacatcgcc agcttatggg cagggttcgcc 480
 gacgtcgcca tcatactctc caacctcgcc tgggttctca ccaacgtcgc cgaactacag 540
 ccctacatcg ccaagcttca gtccaacttc acctgcattt agcccaacgt cgccaagcta 600
 tagtccgact agcccggtta tcggtgggtg tcggcattta tctccaactt cgctacttct 660
 tccgaagtac acacctacgt ctcccgggtg gtcaccacg agccccaga cgtactctcc 720
 cacgtcacc aactttgccg gctcgccgac ttcgcccggg ggaccaacat cccctgggtta 780
 cagccctacg tcgccggcat tcagccccac gtaagtcaat accttcaata cctcttgaga 840
 ttgttccgct 850

<210> 21826
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21826

aacacgtgg atttcatgaa agacacccta atttacctga gtaacgttgg cggtgccatc 60

aatctaccaa gtaaagagga agcgctctgt cttctacact ttcttctgtc ctttgctcca 120
ttcccgcccc caactatgtc atcggtatggt gttatgttca cggcttataa tccgtcggta 180
cacaaatata caccagccgc tgttgatagt ctggctaaac ttctggcacg agatgaacca 240
aatcggactt tcttccggac tatattttct agcgacgggg cttccaccgc tcaacaagag 300
cttctgaccc ggcgatttgg tcttgcgatt tgccctgttc ccaaccagcc taggaaacct 360
tttgcaatcg cggatattcg caaagtgggt ctaatgcagg ggcttttagc tgcagatatt 420
ctggcaggat ttgctgaagg gtcgaccgcc aaatcttggc tagagtctgt ggatgggttt 480
gccattcatc tgcttcgcct ctcatgtctt ttgagcacag aacgtgtccc tccaccgctc 540
cacaacgtcc gtcaaacgca cgctgtgagg gcgcaggctg aagaggctga agtctacggc 600
tcaatcatca atcggggact agcaattctt cggcgtctag ctgagaaatc gaaatatgcc 660
gatacagact cagctctgcg gtttccgtcc ggaattcttc ccaagaagga aagcttactt 720
ggcgcattgc tgatgccaaa cgtcgatcct ggtgtcgtcc ggcaattgat aacgtatgca 780
cggctcgccg aatgatgaac cagatgaacc gcgtccttcc ttttttgggc tactttctag 840
cgatggcatt 850

<210> 21827
<211> 850
<212> DNA
<213> *Aspergillus nidulans*
<400> 21827

agcttttata ctaaggattc tggccaaggc tcccctgggtg caccttcttc taagcgctcg 60
ttcctgggaa aactccgccg acccaacctt aagcattttc caggggtcaaa aggaccgaca 120
gatgctatta ggggcacatc aaagcttgca cggcgtgatg cttcccctgg acgacgagga 180
cggcaaggca gtctggaggg agcaccttct aagggcgctg aaaatgggga acatgaacga 240
aagaaagatg gcaaaggcct aggaattgcg actggtaagc tgcgaggccg ccgcggtgct 300
ggtcacgaaa ccccatcgg aaaggagacg aaccctcag aagcaccggt tgtctgggct 360
ttggacacgg atctatcgca catggaaggc atcgttcagc cagctgcaga tgatggggat 420
aagacgaatg aaggaaagac ggtacgccat gatgagaaga ggctggggga ccagctaggt 480
gccggaaatt gggacgtcc tgagagctgg catgtcaaac gccaaagaaa tgagggtttg 540

gccaaagtgc ccaagatgac caacgatgct gctcgaacaa tagctgaacc tgatggtgtt 600
ccgtatttta tccgtgtgtt ccgcattgat ggaacatttg ccacactctc gaatgggtta 660
catgctacgg ttgccgatgt acttctgtca ctgggaaga agtcttttct aactgaccac 720
ctcaataact acgaaatagt catgcgcaaa aatgatattc ctcgacagct ggatcccaat 780
gaacagccca ttctcatgca gaagaaatta ctggaacaga tcggctatac tgagaaggac 840
aggattgaag 850

<210> 21828
<211> 416
<212> DNA
<213> Aspergillus nidulans

<400> 21828

ctctcctcag cgtgggctct gaaatggctt ataccatggc agcgcgcgag atccttgctg 60
ccgagcacgg tatcaaagcg cgtgtcgctt cattcccttg cgcacagctc ttcgagcttc 120
agtcccgcca gtacaagcac tccgtcttga aaccacgcgc gggcaaacc gctgtcgcca 180
tcgaggcgta cccttctgtt ggctgggagc ggtatgctga tgcggcaatt gcgcagaacc 240
agtttgggaa gagtctgccg tgtaaggagg tgtatgagca ctttggattt agtggaaaaa 300
tcattgcaga taaggatgaa ggattagtgg atgaggtgag acgcgatggg gttgaggtgt 360
taagaggtga ctttcgggat ctgaatgggg gtcctagtgt cgggtgtggag catcca 416

<210> 21829
<211> 537
<212> DNA
<213> Aspergillus nidulans

<400> 21829

ttcttagcga cgatgacaag cgacatctct atgatacaca tggcatgggc ccttcaacgg 60
ctccggtgag ccggggatga acgacggggc ccgacctcga tgatattctc gcgcagatgt 120
ttggaatggg aggcattggc ggtatgcccg ggatgggcgg catgccgagg ccacgacaga 180
gcccggacga agagcagaaa tacgaagtca gcttgggaaga gctctacagg ggcaagacag 240
tcaaattcgc gagcacgaag aacgtgattt gcagtttgtg taagggaag ggtggcaaag 300
agaaggcgac ggcgaaaaag tgttctactt gtgatggcca cggcttcaaa gaagtcctca 360

cgcgcatggg tcaattcttg accaagtcta cccagacctg cacaacctgc aatggcgatg 420
gccagttctt cgcaactaag gacaagtgca agaagtgcaa gggcaagaag acgaccgagg 480
agagaaagat cctggaaatc tacattcccc ggggagcaaa gtacgtcctt cggttgc 537

<210> 21830
<211> 674
<212> DNA
<213> Aspergillus nidulans

<400> 21830

gctcttggac ctcttgccct ctctgctttc gcgactgagg tgatggccac ccctgtggcc 60
tatccaatga ccaccgcgtc tccaactctg gccaaagcggg actcttgcac cttctcaggc 120
tcggacgggtg ctgcttctgc tagcaggctg cagaccgact gcgcgactat cactctgtcc 180
gacatcaccg ttccatcggg cactaccctc gacctgagcg acctcgagga cgataccact 240
gtaggttgat gttcctccag tcagctgttt ggatagggct aactccagtc caggatcatc 300
tcgagggcac cacctcctgg gaggtagagg agtgggatgg accgctgctc cagatcaagg 360
gcaacggcat cactatcaag ggcgccgatg gagccaagct gaaccccgac ggatcccgct 420
ggtagggatgg tgagggtctc aacggcggcg ttaccaagcc caagtttttc tacgcccacg 480
atctgaccga ctcgaccatc cagaacctct acattgagaa ccccccgctc caggccgtca 540
gcatcaacgg ttgcgatggg ctgaccatca ccgacatgac aattgacaac tccgccgggtg 600
acgatgcggg tggtcacaac acagacggct tcgatatcgg cgagagctcc aacgtgggtca 660
ttaccggcgc caag 674

<210> 21831
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21831

gtcgacaaat gctcgacag aattaattac gactcggaca agctgtgcat tgaacccgca 60
gctgcaaagg acaagcaaga aatccttgag atcatagagt catatgcaaa gaaatccttg 120
cgtacgattg gattggctta caaagacttt tctgcaccta cctggcctcc acccgaagct 180
gtccgcgttc aggatgaccc agactctgcc gaattcgaca ccatttttca tgacatgacg 240

tggccttggag tgatgggcat ccaggacccc cttcgcctga ggtccctgct gctatcgagc 300
 gctgccatgt tgccggtgtc caggtgaaaa tggttacggg tgacaatatc aacaccgcga 360
 ctgccattgc tgagtcgtgt ggcatcaaga ccgaggatgg catagccatg gaggggccca 420
 cattccgccg gctttccgaa gaagaaatgg ataaggttat ccctcgactt caggttctgg 480
 cacgctcttc tctgaagac aagcgtatcc tggtagctcg cctgaagaag ctgggtgaaa 540
 ccgtggcagt gacaggtgat ggactaatg acggaccagc cctgaaaacc gcagacgtag 600
 gattctccat gggatttgca ggactgaag tcgccaaga ggccagctcc attattctcc 660
 ttgacgaaa cttaagtca atcgtgactg caatcgcttg gggccgtgca gtcaacgacg 720
 ctgtcgaaa attcctccag tttcaaatta cagtcaatat taccgccgtc gttctcactt 780
 tcgtctctc tctttacaac tccgacaacg agagtgtgct cagcgccgtt cagctccaat 840
 gggtgactct 850

<210> 21832
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21832

ttgcgcacgc gccaaaacgc cctcggccgc cgtgctgaat ggtgccctgt atcacagcca 60
 ggttcaagtg aaagagctcg gctggtgggc agccgacctg agctgtatct tcttcgtaac 120
 gcctatgctt attattgcct ggtatatcac acaagcagtc atcgatgaag catacgtgt 180
 tgagctcgtg aactttatat tgggagttca gaatgcggac ggtggctggc ccacatatag 240
 cggcgaaagc actacgctta tggggacgat tcttacctat gtcgcattaa gattgatggg 300
 actgccggcg gatgaagatc acttgggtcaa ggcgcgctc tatcttctca agatgggtgg 360
 cgccgtttat ctctctggct gggccaagtt ctggctggct atgttgggct tgtataaatg 420
 ggaaggcact gaccctatc ctgttgagat gtggctactt cctgaatggg ttccaatcag 480
 tccctggaaa tggtagatca ttccgcgaca ggtttatctg gcgatgagct acttgctcgc 540
 gaaacgattc actatgcca ccaaccact acttgacgag atccggaagg agatctttgt 600
 gcagccatat gagaggatag acttctcgc ctatcgcggt gtcagcctgc agtgctctcg 660
 ggagctacgc aagccctggc cgtaaatatt gctgaattgg atcctacaga atatctggat 720

cccctggcta ccggccatat tgctcgcgga ggaaaggcac agcacaaagt gggacattat 780
 ctaagactct catgaattgg cctaacttcc cgggacaagt aaaagtttac acctttctta 840
 aaattaaccc 850

<210> 21833
 <211> 422
 <212> DNA
 <213> Aspergillus nidulans

<400> 21833

acaacgttaa agtcggacaa gacgtcttca taaattttta ttgctgata ctggacactt 60
 gcaagatcac cattggttct cggaccctga taggtcccaa tgtctctctg tttagcggaa 120
 cgcaccccggt tgacccgaat ctgcgcaacg ggacgcaggg gccagagtat ggcggacctt 180
 tcaatattgg atctgattgt tggattgcgg gcaatgtggt taccctgccc ggtgttagta 240
 ttggcgatgg gtgtacggtt ggcgcgggga gtgtggttac aaaggtatgt atcgatttac 300
 ctaagaaatg tctcaacagt ttctgggcaa tatgggctga tgaagtgtca atgtaggata 360
 taccggctta tcatgttgcc gctggcaatc cggcgaggat tctgaggaaa attgagcgag 420
 ga 422

<210> 21834
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21834

ttctatcgct ctagccatct cgcactaatg atcatcccct ttcccttgaa aaagcgatct 60
 acttgtaga catgagcgcc tagtccatcc agccgaggcg gcagccaatc gagagaatcg 120
 caaccatagc cataccaatc atgagggtctc tcaaacccaa gcatcaatag ttcaaccatc 180
 ccaccatgaa ttttgaatgc tcgagttagt cgatgctatt ccgcttcaga ccagccagt 240
 tctctctgct cctgaagttc aggttcagcc ccctccaatc gtggagacgg ccattttcaa 300
 cccttcattg ggatattgatt tgaaccttct ttctcatgcc gcgagtcatt tcgctcttga 360
 gggacaacaa gaaagtctag agactcttcg gaagccttgg caaaacattc aagcgccctc 420
 gacgacgccg acgctttgtg atataccaga aagagggatc actgataact atggtgttga 480

gccttcgatt ctagacctta cagatttagg tgatccggtt caggacttta cgtcttcct 540
 agaaagcgtc ggtctctctt cggactggga ctccggcatc ttctctagt tagaagagcc 600
 cttattgcca actagcctac ccatggactc gaaacccccca gcccgtagaga gttccaggct 660
 gggccctgac ttaatgggtg accccagacc tgctgccgat gagcctccat cattctctaa 720
 ctttgggtct cgactgccat cgctccagcc ggaagcccac gatgtggatg atcggtctggg 780
 ttttggcgac gaaggtccac gaccggcctg ggatatatct aatgcggacc ggcaggtttt 840
 tatttctaaa 850

<210> 21835
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21835
 agacgccgct gtttatgacg gatatcagca aagcgggaga tgagagttag tttacgtctt 60
 tcgctcatct cgaaatatgg gagggaccgt gggatgtgag tagattgctg acgggtgtaa 120
 tatagacggc gaaaatatca tgtaggact tgccgcact acagaacgaa ggaacgcgcg 180
 gcgacgttgc gcagaatttc cgcgagcaag gcaatgaagc tgcgaggag aagaggtgga 240
 ttgacgcaaa ggagtactat acaaagggga tcgcggtatt gcgctcaaag gagcagaagt 300
 gggataagcc ggaggatgag aaggaggagg agaggcttct gcgggaggtc gaggaggcgt 360
 cgtatataaa tcgggcgctg tgtaatctgg agctgagtac gtttactttt ttttttttaa 420
 acatgttggc gtcattgtgg agctggatgg ctaacgataa acacagagaa ctaccgttca 480
 acgacctcg actgtccgc ggttctgaag ctgaaccca aaagcatcaa agcctactat 540
 cgttctgcta tggcgtata cgcgctcgac aagatcccg aggctgagga tgctgctact 600
 cgtggcctat cctggatcc aaacaacaaa tccctccaaa ccatctcgtc caagattgca 660
 gaccgaaaag cctctctcga acggatagct gcgaagcgt gagccgagga cgagcgagca 720
 cgcaaagaaa aggccctttt gagcacagcc ctctgtgctc gccaaatccg caccacaag 780
 accggccagc cgcccgagat ggaagacgcc aatatcagac tcacgcctga cccgctttaa 840
 ccggagagca 850

<210> 21836
 <211> 469
 <212> DNA
 <213> Aspergillus nidulans

<400> 21836

tgaatgatat gacgctggcc aagcacatgg acgtggaggt cttgtcccgt cacgaatcgc 60
 gatcgaaggt ggtcgtggat ctactgggag gagaaggtgt tatccaagat actttcaaatt 120
 ctccggtgcc gatctcgctt tctaagcgag cacaggaaaa tgcgagtgtt ggggtctcccc 180
 gcaaaactgtt ccggctgagt gatgcctcgg gcgagctctc gttcagtctc gttaaggccg 240
 gagagccggt tcgacgacag gacttcgacg gcaacgatgt cttcttgtat gatgtcggca 300
 ctgagctctg ggtgtggcag gggctccgag caagtcaggc agagaaggct ctgtgggtca 360
 aggttgccca agcttacatt cggcacctcc agagccggga atccaatccc gttgtttcca 420
 caattcccat ttcgaaagtt gtacaagatt acgaaagtcc ttcttttct 469

<210> 21837
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21837

ctgtctgggt tatgaagggg gtgttccgac acctaccgcc tcatactcca acagtgcgcc 60
 gatcgagatc gctgcaggcc agaccttga tgccggctgg gcccggtacg accgcggatc 120
 tggcgcttgc accgatggcg agggcggtta cgacgatgcc gtcttcatcc tccggtctgg 180
 cgctaccctg aagaacgtca tcatcggaag gaatcagaag gaggggtgtcc actgtgaggg 240
 tccctgcacc ctggagttcg tctgggtcga ggacgtctgt gaggacgcta tcaactgtcg 300
 acgtctctga ctctgtccca aacactgggt ttctgtgtact gaccgttggc aagcgaggtg 360
 actcggcggg agaccataca tggatcatcg gtgggtgtac gttcctattc gcgaaagtga 420
 ctactcgttt ttctctgacc atggcaatga aaaggcgcat atcacgcgtc cgataagata 480
 gtgcagcaca acgggtgcgg aacagtcaac gtgagtcttt ctattcttat atctttattc 540
 tttatcttct ctctcttctt catagaggga tgccgcactt actgaccatt atcttaagat 600
 catcaacttc tacgccgagg actacggcaa ggtctaccgc tctgcggta actgcagctc 660
 ccagtgaag cgcaacgtct acattgaggg cgtgaccgag tacgacggcg gcgatatctg 720

cggcacatcaac tcgaactatg gcgatacctg tactctgaac aacgtctgca ctgacgccga 780
ccaccctgt gtgctctacg agggatgcgc cggcggttgc gagcccgaga aggtcggcta 840
ctgctccggt 850

<210> 21838
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21838

caaacgatga aagtgaagat gacgcttacg aagacgatct atactcttct gcgcctgctg 60
ccatgacaga caatcctcaa aatcaaccga gcaattcgtc tgctcgtgcg tttgggtgatt 120
tgccaattca cgacaggctt tccagccctg gtcctatcag agacattgtg ctccgggagga 180
gctctgaagc gtcttcgcgt gacacaaaag acggcgtgct agagctagtgt gcagctcaag 240
gctcggatga aggtgggtaca atgggtgatta tgaagcggga ggttgatccg tatcttgtag 300
catcaatggc tgcagacaca gcaaactccc tctggacagt ctctttgcta ccggataaca 360
atgatcaaaa acgtgactat gtcatactgt caaagcagga gaaacctgac aaagaggagt 420
ccgaggtgtt tgtgctagag gataaactca ggccaattac ggcgcctgaa tttaatccga 480
accatgaatt gaccgtagaa atcgggtacct tggccagcaa gagtagggta atccaggtat 540
tgaggaacga ggtgcgaagt tatgatgctg gtgagtgcct gtcagtccga agaagagaca 600
tactaattga gtagatcttg ggctggctca aatctatcca gtatgggacg aggacgatag 660
tgatgagaga gtagctgtca atgctactct cgtggaccct tacttggcga tcatacgaga 720
cgattcaacc ttactactac tacaggccga tgacagcgga gaccttgatg aagtgaaaat 780
gaacgaggat gtcgtaagtc aaaagtggct gtctgcctgc ttctacagcg ataatgctag 840
tttcttcacc 850

<210> 21839
<211> 793
<212> DNA
<213> Aspergillus nidulans

<400> 21839

tgtccaaagc cgttggttaag acgacccttc gaggcgtctc gaacgcttcg tcctatctat 60

accgsggggaa gcaccgcgct cgatgccagc ggccgcctac tggttgcttg tgtcaacgaa 120
 gatgcgctcg tcgtcgacct tgagactggc aaccagctcg ctacgcttga cggagtatgg 180
 cttggtctca ttttgagtgt ctattcatgt gctaattcaa gttgtaggat ggagaagtta 240
 tctactagctt ggccagtacg ttcctccatt ctgagacctg tccaagaata gtgcactaac 300
 gaggatatca gttactccct cggcttcgca cgttatcctt tgttcccgat ccatgtcaat 360
 gcgcataatac tccctctccc aatacgaaga tacaactcct acccttgaaa cgaagctcgt 420
 tcggagtcta aagcctcaca cagcgccagt tgtgacaacc gccaccgact ccaccggtac 480
 gttactagcg actggagctg cagatggctc aatcaaagtc tgggatatacc gaggtggcta 540
 catcacgcat agctttcacg gccatgggtg tgtgatctca gccttatgct tcttccaacc 600
 acccacggcg gagcacgacg gaaaactgtc ctcgaaaaaa aaaccgaaac ggaagactgg 660
 gatggcaggc gatgatgatg acaacgagat gatggaccta gattctgcct ccaactccaa 720
 cgggtgcattc cggcttgctt ccggtagtga ggagggtaaa gtgcgcgtct gggatttgaa 780
 taaaaagaag tcc 793

<210> 21840
 <211> 584
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21840
 atccggccag ttcaacgaat cgagcatgtg gagaggactc ggactgcatc aaccgcgcga 60
 ccaagattga gtgtatgggc gactgctggc gtggggccaga ttgccagaac caacggtttc 120
 agcgcaggga gtacgcgaat gtggctgtca ttaaaactga gaagaagggt tatggtctcc 180
 gcgcggaaga ggacttgca cgcacatcaat tcattttcga gtacgtcggg gaggtcatca 240
 acgaaggccc gttccaccgc cgcacatgagc agtatgatgc agaagggatc aagcatttct 300
 atttcatgtc cctcagcaag ggtgaattcg tcgacgcaac caagaagggc aatctcgggc 360
 gtttctgcaa tctactcgtg aaccccaatt gttatgtcga taaatgggtg gtcggagaga 420
 agctccgcat gggatctttt gctgaacgac acattcaagc gggtgaggaa ctgctcttta 480
 actataatgt ggatcggtac ggtgcagacc ccagccgtg ttactgcggc gaacccaact 540
 gcacaggctt tataggcggc aagactcaga ctgagcgggc gact 584

<210> 21841
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 21841

```

accaagcaca aacacggaat cgtggcaacc cacaaaatag accagggcag acacacgaat   60
taggccaatc cgattgcaaa gacctctggc ccataaggga gaatgctgct aaggaaccaa  120
gagacgctac ggcaaacgga tttatgcctt caacaaccgc caccgacg acagccgctg  180
cgcagacagc taagtccgcc tctgcgcctt cgtctgcggc cactggttct gtccctgctg  240
cccctacaac tgcaactgtc agcacaacga catccattgc caccagcgtc ggtaccaccc  300
tcacccgcac gacctgggcc accacgacta cggccgcagc cgctgagcct tctgcgtcgg  360
ctcctgcgcc cagcggcaac agtgctagtg gttctaacc cttgtacgct cagtgcggcg  420
gcctcaactt caaggagcg tctggatgcg tcgccggtgc tacctgcaag aagatgaacc  480
cctactactc gcagtgtgtc                                     500
  
```

<210> 21842
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 21842

```

tgaaccactt ctgtcgccat tgtgaaagtt aacaaagtgt tatagcattc gtccgccccca   60
tctatgcggg caacgcaatt ctaaccgtgc agtcgaccga ccccatcaaa gtcacacag  120
tgcgcggcac cgccttccaa gatgccgaag ccactggcgg caacgcctcc ataacagacg  180
gaacggaccc caacgcccc gcccaaaccg aatgggtctc cgaagagctc tcgaagtccg  240
aacgccccga cctagcaaca gcccccgcg tcgtctctgg cggccgtggc ctcaaataa  300
aggaggaatt cgaccgcac atgatccctc ttgctgattc cctcgggtgt gcaattgggtg  360
cttcccgtgc ggccgtggac tctgggttcg cggataatag tctgcagggt ggacagacgg  420
gaaagaatgt tgcgccgcag ctgtacctga gcgtgggaat cagtggggcg attcagcact  480
tggccggtat gaaggatagt                                     500
  
```


<210> 21843
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21843

```

tggtgcaagc ctgtttggta gctcaactct caccaagagc gtctctgcga acgcaaacc 60
tttctcgtca aagccggctt cagggttctac acaatcaagc aatccggtcg ctgcccctgt 120
tgctagccat tcacctgctc ctctcgcgtc agccacagaa ttcaaataca cccccaacac 180
cctctccgaa tcatttgcag acaaagtcg cgtctcctcg ccgcctccgt ccactcaagc 240
cgccgagcca gctggcccac caactccctg gccggcacgc tctgagttcc cagagcctta 300
cacaaacttc tacatcgatg cagaaggcga aactctctcg cgcccgccga cccccaaaat 360
ccctgacaac gtcacaattg atacgagcga agacgccgag gggggtagcg gcggcgagcga 420
tgcaaaagac gcgttcgagt cggatctcga caaggccttc ctcaagttct ctaccgcct 480
cggtcataat ccagagcaag ttctgcgtta tgaattccgc ggtaccctt tgctatactc 540
gcataccgat gccgtgggaa agttgttgca tgactctacc ccttctgctg ccaaagtcag 600
tacgaagtcg agcgggtgcga gtcgtatgcc acgggtgcag tattgcagca gtgaaagagt 660
gttcgaactg cagcttgtcc cgcattcgat tagtggttct gaggagggga gggagggggg 720
tggaacttggg aaggatgatg gcggaatgga gtgggggact atcattctgg gtgtttgtaa 780
taggaattgt gggccggagg aaattggagc ggttgggtac agggaggaat gggctggcgt 840
gcagtgggaa 850

```

<210> 21844
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21844

```

gccgactact ttgagcgcaa ccagattgaa ttccgtttct tttccgcaca gatggctaaa 60
gaggctaattg aagcccgcca gaatgaaggc gaggatgaag ataccaagtc gctgacagaa 120
ggtagcgaga atttgaatct acaggagtcc aaggagaagg aagccgacgg aggcgtcgat 180
cttcccagcg gcacaaaagc cccttctccc aagcgaacca acatactaga tgtggatgag 240
cttgaggaac ttttcctttc aaacgcgcca gatgcaacaa aagacgatga agatgaacaa 300

```

gatggtgatt ccaaacctag aaagacagtc attggtctag tcggatatcc caacgtcgga 360
aaatctagca caatcaacgc cctgcttggt gcaaaaaagg tctccgtttc gtccactccg 420
ggtaaaacga agcactttca aaccctctac ctctcaccgc aaatcatgct ctgcgattgt 480
cccggtttag tcttcccca tttcgctcc accaaagccg agctcgctgt caacggcgtc 540
ctccccatcg accagcaacg cgagttcacc ggcccagccg cactcgctgc caagcgcat 600
cccaaact tctcgagga cgtgtacggc gttaccatcc atactcgccc gatcgaggaa 660
gggtggcacgg gtgagccaac cgcccacgac cttctccgcg cctacgcccg cgcccgcggc 720
ttcgctacaa caggacaagg tcaacccgat gaatcccgcg cagccgttac atattaaagg 780
attatgtcaa tggcaaactt cttttctgcc accgcctcc tgccaatgaa gcagagggcg 840
aagaacaaat 850

<210> 21845
<211> 713
<212> DNA
<213> *Aspergillus nidulans*

<400> 21845

gcatccgact ggagtgccag acaatacctt aagtttgagg ctgaacgcac acgacctgct 60
cgtgatctgc tcgccaggt tccactcgat tcaccacatc gcgtcgtgga tctaggctgc 120
ggacctggca actcaacagc cgtccttgta tcccggatc cagatgcccg agtgacagga 180
atggactcgt ctccagatat gattggaaag gctcgcgaaa cctcccggg aatcgagttt 240
acagtcgatg gcctcagtac gtatacacct agagaaccgg tagacctatt cttctccaac 300
gccgtcttcc agtggctacc gcgggaccaa cgtctggaat tcatcaaacy cttattcag 360
tcgcagcctt caggcggcgt ctttgccttc cagggtgccg ataatttggc tgagccatcg 420
cacgtcacia tgcgtgaaat tgccgccaat ggtccgtggt cgagcacgct acaatccgtt 480
gctcgcgaaa gctttcaatc gccacatgaa ctgtacgatg aactgaagcc gctctgtgct 540
gaggtgaata tctggcatac ctactataac cattcgctgg agaaccataa ggctgtcgta 600
gaatgggtca aggggacggg cctgcggccg ttcattgacc ctttgcgca gccggatcgg 660
gagtctttct taaggcttac tgggtcgtcg gagcaattat atctgagagc aca 713

<210> 21846
 <211> 528
 <212> DNA
 <213> Aspergillus nidulans

<400> 21846

```
gtgaaacgat tgaagcaggt ttgcgacgca gaacaggtca aatacacgga ggatggactc 60
gcagcgctgg ttttcagcgc tgaggagat atgcgccagg ctctcaaca tttacaaagt 120
acctggtctg gattcggttt ggtcagcggg gataacgtct tccgtgtggt tgatagccct 180
catccaatca aagttcaggc gatgatcaaa gcgtgctggg agggaaaagt ggattccgct 240
ctggagacgc taaatgagct atggtataag agcctttcca gcggttactc gaaaatagct 300
aatcctcctc taagggacct tgggtactcc gctcatgaca ttattagcac tatgttcaag 360
gtgacgaaga cgattccaac gctttccgaa cattcgaaat tggaatttat ccgcgagatt 420
ggcttcacgc atatgaggat cctcgacggt gtacaaagcc tactgcaatt gagtggacta 480
atagcaaaaa tcagcaaagt gaatatgaag ccacaactat tcgagccc 528
```

<210> 21847
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21847

```
ccccgagcgt gtgatgtatg ctaccggtgc gccgaaagac aaattcgaac gccgcgaggc 60
ccgtgttgag cgcaagaagg ccgtggagac cgaaaagaaa gaggagggcg agggcgagga 120
ggccaaagag ggcgaggaag cagaagctaa ggaaaccgag gaagagaagc ttgacacgcg 180
cgagacgctg aagcgctcc tttcccaggc caaaaacatc atgggaagca acaaggacgt 240
gctaccgccc aaacgcaagc aggaactgcg tggcttccaa aaagccgtcc gtcgtgtcat 300
gtccaagagt ggtgcatcca catctacgct gaccgataac ctcgagaccc aattcgccga 360
gcttctgaag ctcttaagg ccactaagat ccagcccaaa gaagagaagg agtccaagaa 420
ggaaaatgca gacgccgag ccaagtcaga accagcagaa acagaagcca ctgccaacgc 480
gtccaaccct gtggacacca aaccacaga agcccttacc gaggccttcc gccaggccac 540
gcagaatcca gaaggcgaag ttgatacatc agagctgact gaggaggaac tcgacgtgct 600
caagcgcgcc ctcgtccaga tgcgcgacaa ccccatcgat cactcaaagc cctacgctac 660
```

cccttggcgg ccacgcgatt acatgagcgc cttecgctttc atccctcgat atctggaggt 720
 caaccagaac atctgcgag cggtatacct tcgacacccg gtcgctcggc ccggacactc 780
 agaagtgcc acgccgttcg ggagagagca ttgaaacgc gcatgttgtc tctaattgag 840
 gccactgtag 850

<210> 21848
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21848

ccgcgattga gatcccaagc cagaatgcga ttaccgcgga taatgttaca ttggagcttg 60
 atgggggtgct gtatacaagg gtttttgatg cgtacaaggc aaggtatgct accactatcg 120
 tctcgtgttt tgaaagctca tgttccagga ttgtactgac tttcgagggga tacttagcta 180
 cggagtggaa gacgccgaat atgctatttc tcagcttgcg cagacaacca tgcgatcgga 240
 gatcggccag ctgactctag accatgtttt gaaggagcgt gcaatgctca acaccaacat 300
 tacacaggct atcaatgagg ctgcccgaagc gtggggagtc acttgctctgc gatatgagat 360
 tcgagacatt cacgcgcctg acggtgtcgt tgaggccatg caccgccagg tgacggctga 420
 gcgatcaaaa agagctgaga tcctggactc tgaggggtcaa cggcaaagtg cgatcaacat 480
 cgccgaaggt cggaagcagt ccgtcatcct ggcacccgag gccgacagaa tcgagcgtat 540
 caaccgggct aatggtgagg ccgtgccat tcgagcaaag gcagaggcca ctgcaaaggc 600
 gatcgagacc gtggctcagg ccattgaggc cggacaagcg aacgcgcatg gcgctataag 660
 cctgaacatc gctgagaaat acgttgaggc atttgggaag cttgctcatg agggcacagc 720
 tgctcgtcgtt ccaggaata tgggggacct tgggtggcatg attgcaaagc ccatggcagt 780
 atacggcaaa gtgagcggta gccaggcgcg gactattgcg gcgaaagctc ttgggggtgca 840
 agatccacag 850

<210> 21849
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21849

tcacattcaa ctttgtctgc gcgcttgccg cgcttttccct tgccccgttc tgtgaactgg 60
 tcggacgacg agtcatctac gtcagcgccct tcattctgctt ctccatcatg ttcacgcgtc 120
 ttgccctcgg caagaacatt gcaaccatca tcgtctgccg tggcttgctc ggtctctttg 180
 ggtctgtcgg cagcatcctc gtcggtggta ccttcagcga catgtacacc cctgataacc 240
 gcgctatccc catggcgacc ttctcctacg tcgccattct cggcacccgtc ggtgccccca 300
 tctacgccgg atttattgac gagactatcg gctggcgctg gatcgaaggt attcagggtc 360
 ttgccaacat tcccccatc ctctctctcg ccctctgcct ccaagaaacc cgcggcggcg 420
 ccatcatgca gaaacgcgca aagcttttgc gcaaccaaac cggcgacaac cgggtacaagt 480
 cgaaatccga gctcgaagcg ccaaccctca agcagcgccct gcacaactct tctgtcaaag 540
 ccgtacacat gctcatcacc aagcccgag tcttcgcctt cggcatgtgg atcggctttg 600
 cgtggtttgt gacttttctc tttctctccg tcattcctat cactttcaca gagaagcgtg 660
 gctggagcga aggtgttgcc ggtttgcctt acatctctct ttgcatcggc acaacgatcg 720
 ggtttgcaac caacttcac cagatccgca agtacaagtc cattccagct tccggtcgtc 780
 ctgtgactcc cgaatagcgt ctttacggcg caatgtttgg cgccatctgg ctctctatga 840
 ggtgttcacc 850

<210> 21850
 <211> 569
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21850

tgtggagggg gaagctaaaa aaacggatat agaaacaagc ggtctcttcc gcctcctcac 60
 gcggctgatg gcgcagattg caccgggtcca gaggggggat gtaaccttac ccagcgttgc 120
 ctatccaata tttctagcag ccagagcaga actaactgac aggtattgca gactggatag 180
 acgactctca aacttgagcg atagcctcgg cgagttcttc cagatccgcg acgactacaa 240
 gaacctctcc tcggagtaca ccggccaaaa ggggttctgt gaggacctcg acgagtgcaa 300
 attctccttt ccgctgatcc acgcgtgaa tacgcagccg aaaaatgtcc agttcgcgga 360
 atcctgcaac agtcgcggag cccgggaggt cttgatatcc cgcttaagga gacggtgctg 420
 cagcacttac gggatgctgg aagcctcgag tatacagata agaagatgca ggagctgatg 480

gaaaggatca cgggtggaat tgtggatatt gagaaggcga gtggtgtgag caactggatg 540
gtgagactgc tgattcacccg gctgaaagt 569

<210> 21851
<211> 760
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 21851

cttttcattt tcttcaggag ggctagggtta agtcagttct ggctcatttc cttctatttc 60
attctttgtt ctctgttaaa ttttgtctat ataattttac ctttttctgt ttgtcttatt 120
tattaaattt taatattttt ctctttctct cattttttgt cttacatttt attctattct 180
ttcttttatt tttctttcta ttacttattt atcctatttc tctttatttt ttacttatag 240
tatcttctat gttatgttta tgtggtgtgg tttatttttt atatatattat gataattatt 300
atttattttt aaanccatta gactcattat atctcttttt tttcttcact tactatcttc 360
tgttctatcc cccccccct tctccattt ttaactaatt atatttaatt ttataattt 420
ttttatttat tatttttata ttttatttat ttctattact tcttatttat cccccactcc 480
cctatctttt tcttgactat tatcatttca attttaatct tcttctaate ttggtaacta 540
atacaagtat aagtgattat tattctgtat tgtataatta tactcatatg attatttata 600
ttctttattt tttgaactat gttgcncccc tctttcccat tctattctat ctttcacctt 660
aatattatat aagttattat ttattttata ttgttttagta attaattttt tgattcctcc 720
cactccttcc tcttttataat ctctctctct ctctccccc 760

<210> 21852
<211> 521
<212> DNA
<213> Aspergillus nidulans

<400> 21852

gaaaaattct ccgagacgct ggaaaaagac cttttgaggc agtttgatga tttttatcgt 60
aaggctaact ttgaaggat gaaggattgt gctactgttc tccaggattt caatggcggg 120
gcgagcggtg ttgcactatt tgtgaatcaa caccaattct tcattgatag gagccaatta 180

gtcactgagg aagttggcgg agatccggag tcatgggaga aacttgccga cccagatgca 240
gaaccctctg gagttgaacc gagcctccaa tctctggttg acgaagtcag ggttggtgta 300
caagaagagt cagctatcat ccggcgggct ttcccaaatt atgagcaggt tcttggaata 360
ttctacagc ggggtattcca gcaatcgatc caacaaaggc tagagatggt tttggaaaag 420
gcaaataagg tttcatcact agcttttttc cgatctctgc aaagctctcg cagctgcac 480
aatcccctag tcgaccaact aaaagccacg ggttggtctg a 521

<210> 21853
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 21853

ctaattggtt ttcaaccgc ttgcccctaa ttcctgatt agccacattc agctagctct 60
tgccatagcg gggcttatgc agacgatttc taagcagcga gcgtccact ggaatggctt 120
ccctgctaaa agccaacgtc agccgccaaa ctaacgccgc caccaatcac tgtaccatc 180
acttcatctc tgcttcacca gccacaatgt caggtattgg agtcttccct gctgccggtg 240
gcctcggatc cagcatcacc aagcacctgc agactctctg cccagcatct caactcgtcc 300
tgatcgctcg caagccggag tcgctcgca aagagttcag cgctggggct gcagtacgcc 360
gcgagacta tgacgtttct tcgactctgg aaaaagcctt cgaaggatc gatgtgctta 420
tgctgatttc atatgcttcg ttcgagatca agcatcgtgt caatgtatgt tccttacttc 480
gaggtccctt taacctatat 500

<210> 21854
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 21854

gaccaggtgc gttgaaattc cctatccttt gccgggttgc gaccaagtac tcgtttcact 60
aactaccac aggctgaaac agaactctct gaaatcaaaa cgcaaagcta agatgatctt 120
tcgtcgattg agtcgcaact cagcgcccca agcgagcatt gaatcgggcc aatataactt 180
acagtatgtc cttcttgctc ggaatttaca gacaaaaag ggtgtccggc tgattaaagg 240

atagttatatt gattaaagat gacgtctgct tcctttgcat atgcgategg tcatacccgg 300
ccatgtaggc ttttaattctt atacgatttg tgcaaccgaa tttcacaaca cctacccagc 360
ctcacagtac cagtccccga ccctgcgggc atatgcatct gtggagttcg acacattcat 420
ccagcgcagc aagaaggat ctcagaaaaa ccgagcttcg gccaaccttg ccggttagtg 480
tcgagcttcg gagagtccta 500

<210> 21855
<211> 417
<212> DNA
<213> *Aspergillus nidulans*

<400> 21855

cgagcccgac gtgaaagcat atcgcatgca ttgcaggggg taccggaatt gccccgatat 60
accaggtaat gcgggcatgg cctggagaaa ttaccctcct ctatggaaat gaaacatggg 120
aggacatcct ttgcgggagt agctggagca actggtcctt cagtcaccca gaagaattaa 180
agtgcaccac gttcttgtca accaaagtcg gactggaagg gccttagggg ctggataacg 240
agagagatga ttcaggactt actgccgaa ccacctcaa gcactggggt cttggtttgc 300
ggacctgacg ggatggtgcg ggcaattcgg ggacattttg aggctattga tgcaaatggc 360
gaggagaagg ccaatgtgtt cgttttctag actaggctag gcggtctata taagaac 417

<210> 21856
<211> 546
<212> DNA
<213> *Aspergillus nidulans*

<400> 21856

cccttcttat cgaatccaat ggctgggatg gcggtgactg tctttttctt caatgatgaa 60
aacagccagt cgaagaatat tatgaccaat gattcaggcc atttttcggt tcgagcgtcg 120
ctgtcctttg ttccacaca cgtgcgcgtg cttgcatcgg aggacctctc cgctgtgaag 180
aacgtcgaaa tcattgaacc tacaggcgtc agtatgatca gtgacattga cgacacagta 240
aagcattcag ccattgcgag tggagcgaag gagatgtgcc gaaatatatt cgcccgcgag 300
ctgtcggatt tgaccattga gggcgtcact gactggtata atgcaatggc caaagcgggt 360
gtgcaaatac actacgtctc aagctcccca tggcaactat atccgctgtt agatcgcttc 420

ttcaagatgg ttggcttgcc gcctgggtct ttccatctga agcagtatag tggcctcttc 480
cagggatat ttgaacctac tctggagcgg aagaaaggaa atctagaaag aatcctgcaa 540
gacttt 546

<210> 21857
<211> 545
<212> DNA
<213> Aspergillus nidulans

<400> 21857

tctgcactcg aaaaaacaaa tgaagctttc gatttcataa aaaaactcct accggaacca 60
ctcaaagctc ctctgttagc tatcgtctgc ggctctggat taggtgggct tgcaaacaca 120
attgacaatg acctaagagt agaaatcgat tattctgata ttctctatctt cccacatttg 180
accggtcagt ccgaatttgc cttacaaccc cattttcgaa ggcggtcctg tcgcttataa 240
cctataaagt cgcgggacat gctggcaaac ttgttttcgg cctcatcgac aagaaagttc 300
cggtagtctt aatggttggc cgcgctcagt gagaatgcc ttataatagt aaaaatgaat 360
tggttaacta agatatgtca actgcttagc tactatgaag gccattccat agaccaagtg 420
acgttcccta tccgggtttt caagttacta ggaatcgaca ctgttgtctg taagctaaca 480
tcaccgtgcg cagaggcagc caccagacta aggacaatat gtaggagtgc gcacgaaccg 540
gagga 545

<210> 21858
<211> 804
<212> DNA
<213> Aspergillus nidulans

<400> 21858

ctccaccgca acacaaccac ttccttaacc ctctgtcta caaccatcga cgccccagat 60
agctctaaaa tttatatagc taacttccga acctctcaat ctcttaata cggcacagcg 120
aacatctcaa cgcaaccatc aagtcgatca tcaaaatgtc cagcgtaaac tatcgacca 180
taaacattgt cgcccatgac ccaaactcaa cccaaatttc cctctaccac gcttctccag 240
tccacccttc ctccacccca aggctcgagc gacgccacaa atacagcaac acaggtgcg 300
caactcctgc gctcgggcga ccccgccgcg gcgctgattc acgtgcttga cacggcgccc 360

ctgggcggcg acgagggcgc gaagcaggtc catcttgcaa cggtcattga tgtcctgcag 420
 gggattcggc aggggtgagat ggggaggggt ctgcaagctg tgctggatgg cccggggcgg 480
 gtggagaggg gggattgttt gatgaagtac ttgtatgctt ctccccatgt ctcttttttg 540
 attcgtgaag cgaggggttca ggctaattat atgcgctggg ttaggtacaa gggatatggcg 600
 gctggagggc caagtaacgg tgctcagagt cccaggaagt cgggtgcgcc gcagagcacg 660
 gggttctcgc agatccaggc gcggaatctt ggtgagggag gtggtgggca acaaagtagt 720
 gtgcttttga actggcatga gaagctggtc gagttgacgg ggacgggggc gattgtgcgt 780
 gtcattgacgg accggaggac tggt 804

<210> 21859
 <211> 843
 <212> DNA
 <213> Aspergillus nidulans

<400> 21859

gcacacgcgt cccctcatcc cgggaaagcc tatcacaaca gtccagcaga tcccctccgg 60
 agtctccctc tctaccgtcc tctcacagtc cctcaagaca aatgacaccg acatgttgga 120
 agcctgcttt cacacgggcg actcgggcac catccgcacc accatcaacg tctcgattct 180
 cccctggctg caaccctttt gcaaagactt gccgagcgcc tctccgcccg ccctggtcga 240
 tatggccact tgcttgtctg ggtacaatgg acttgtatcg cgcacggagg agccttggca 300
 ggaaacaagg atctcctcaa gcagatgtcc actctattca aagtaatgga ccagcgctcc 360
 tcaaccctct cctctcttct cttgctcaag ggcaaactag acatgttaga cgcccagctt 420
 ggctccgcc agtcgctccg cgaaaacgca gaccacatgg acagcgaaga cgaggagaat 480
 gtaatctacg ttgaaggcta tgatgaggac gaggttgaag atagcgacgc tgaggcaaca 540
 aagaacattg acacgccccg gacaaaggca attcgcgacc agaccgatat ctccatgac 600
 gacgaagacg aagatgcagg aagcgaggac gacgaagaag acgaggaaga agaagacgaa 660
 gaagcccta gcgccatttt cgacgtcgaa gctgaagagt ccgccggctc ttcagatgcc 720
 gaggaatccc ctaatgacga cgaggacgat gatgaagatg aggatgcgga cagcgccggg 780
 tccattgcgg atttcatcgc ggatacggag gacgacgact cagaggtaga taatctctcg 840
 cgg 843

<210> 21860
 <211> 777
 <212> DNA
 <213> Aspergillus nidulans

<400> 21860

```
gtggaaagaa tttattatat cgtgggagag ccctaaaaag gcttaaagat tgcctgaggc 60
acttttaagg ccaaaggccc aagaaacggg gcagtttacc accggaaaga agagcctggt 120
gcgtaataga atggcaaggc gttctttcac aggatcagga agccctgttg ggcaaataaa 180
aacgttaata acccatttgg gattgcacca gtcgctgctg atgctggatg ggaatctaca 240
aggatggttt atgaagtctt tgcattcaaa accgtagaca ttgtcggcaa gccagttcat 300
ttcgcaattc tgggtctacag ggggtccatct ctgctgctg catgctattg agcgatcgca 360
gacccgaggc tcttacaatg tgttggtcga cgctaaagcc acggacggaa gataacgtga 420
caaagttgaa tatcagcaag gagcagatac aactgatttt taatcagcac ccgctcgtca 480
aacgggtgta tgatgagaac gtaccgaagc tgagtgaatc gcagttctgg tcgcggtttt 540
tccagagcag actatttaag aaactgcggg gagaacgtat atctgaggca gatgcgacgg 600
atgctatatt ggataaatat ctcaaagccg acgagtctgg gaatctgccg cgcgacatac 660
acatgccgca cttccttgac ttagaaggaa acgaagtga tgcagtcaa cgccggggta 720
atagaccaaa aatagacatg cggccgtccg cgggtggagaa ggatgccaat tattegc 777
```

<210> 21861
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21861

```
ctacacctcc ctcggttcg gcttcagcaa gcgcgccgat ggaagcacia ccagctacca 60
gcctgcccag aatggcactg ttagtaagga ggggtgtcgt gttgctcagg ctatctataa 120
cggtttgac agcaccagcg gcgaacgtgc ttacctctcc tggcagattg gttctgagct 180
ctctgacgct gataccacct acaactctga caccggaaag tgggagctta ctattcagtc 240
aactggaggc gtcttcgtgg ccaagatggg ggagcttctt caattggaca acctcgagag 300
cctggaaaac accacctacg acactctgat ccagtggatg gagaccggta tgggtccgta 360
```

ctggactcc ctgcagacca ctctccccga ccttaccacc ttccagagca gcggggggtaa 420
 gcttcttcac taccacggcg aatccgaccc ctcagtcccc gctgcgagct cgggtccacta 480
 ctggcaggcg gtgcgcagta tcatgtactc agacgtttca tacaagaaga gccttgagga 540
 aatgcaggac tgggtaccagt tttatcttat ccccggtgct gcccactgcg gttcaaactc 600
 cttgcagccc ggcccctacc cagagaataa catggaaatc atgatcgact gggtcgagaa 660
 tgggtgcaag ccattctcgtc tcaatgccac ggtcagctcc ggtacctatg aagggtgagac 720
 tcagatgctc tgccagtggc ccaagcggcc cctgtggaag gataacagcg acgacttcga 780
 gtgtgtgagc gatgcgaagt cgatcgagac ttggacctac tctttcccag ccttcaaggt 840
 gcctgtttac 850

<210> 21862
 <211> 804
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21862
 ccatccatct cactctcgaa ctccagcagcg cctaaccttc ctctccccgc gaaagtcgaa 60
 aaagtgacgg aaacggaaaa cagaatgcct tcaattccaa taacaatcct gaccggcttc 120
 ctcggttccg gcaaaacaac attattattg aaccttcttc cacaactccc gaaatcatac 180
 aaactcgcct tgctgaaaaa tgaatttggc gacgtagcca ttgactccca actcgcctcc 240
 acttccgcca tctcaggcgt ccgcgaactc ctcaatggct gtatttgctg caacctggta 300
 gggcaactct ctgacgctct ctccgaactc gaatcaactg tggatccaga ccgcatcatc 360
 atcgagacaa gcgggagcgc attccccgct acgttggcga tgggaagtga tgcactttct 420
 cgagaatcac cacacaatga agacggaagc agcaagtata cactggatgg agttgtgtct 480
 gtcacgacg tggagaattg ggccgggtac gaggacacga gctacactgc gaagatacag 540
 gctaggtata cggatcttat cgtgtttaat aagtgggaac atgtgtcaga gcgacggttt 600
 gatgaggtcc ttgatcgggt tggatgatctg gaggttcaaa ccccggtgggt aaaaagtgac 660
 aaggggaggg tggagaagga tgtgctgctt gggattgatg gggcgctgtt tgcaaagcag 720
 gttatcgaga acggacatga acatggacat gagcatgcag atgggcatgg acacgagcat 780
 gggcatcagt ccgaggtaga agtt 804

<210> 21863
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21863

```

tggcgttaca gataacaata tattcgatct cccaatgtcc gactacaagg ttatggttct   60
ggtgactata gtagccgccg tgggtgaggct gtttaggata taccagccga ctacggttgt  120
ctttgatgaa gtgcagtacg tattgatcaa ttccagtata cgtaccccggt caggcatttc  180
taattggcga tgaacagttt cgggtggtttc gcaacgaagt acattaagggt tcgtttcttc  240
atggacgttc accccctctt cgccaaactc cttattacct tcgctggatg gcttgctgga  300
ttcaagggcg acttcgactt taaggagatt ggaaaggact atcttgagcc tggagtgccg  360
tatgtggcaa tgcgcatgct tcccgcaatc ttaggagtc tcccggtgcc cattatgttc  420
ttgactctga aggctaccgg atgtcgtact aacactgctg tgctgggagc cggtgccatc  480
ctctttggta tgcctctttt atggtgggaa cagaagggtgc acttactgac ttctgccaga  540
aaacggattg gttacgcaat ctcggttcat cctcttggat tctccctggg tgtttttcac  600
agccctcact gcactgtctt tcaattgctt taccaatcag caggaattgg ggccatcaca  660
cgccttccgc gggccctggt ggttttggct ggttgccact ggattcagtt tgggtgccac  720
tttgagtgtc aagtgggttg gtctgtttac agtcgcctgg gtgggttctt tgactattct  780
tcaattgtgg gtggtgcttg gtgatacaaa taatgttact cccgtatgtc agcctttatc  840
cctgggactt                                     850

```

<210> 21864
 <211> 499
 <212> DNA
 <213> Aspergillus nidulans

<400> 21864

```

acgagcaaga cgccggcctc cagcacaac ataccaacta ccgctctggc gctgcgactg   60
ccgtccggaa ccgccagctg gtggtgcaga tgatctgcac tgtgtccaac tacgagtaca  120
tcttcgttta tatcttcgac caagcggcaa atatcgagct ggaggtgcgg gcaaccggca  180
tccttagtac ggtgcctttt gacaacgaga aatttggcac gactgtcccc tggggcacga  240

```

acgtcggggcc aggcgtcatg gcccccttcc accagcatat gtttagtttc cggatcgacc 300
ctgcgattga cgggcacaag aatacgggtca tttatcaaga ctccgtgccc atgggtgaag 360
actccaacaa cccgtatcta gtgggctaca cgaccaacga gacagtcgtc aagacgagca 420
gttccgccga aacaagcgtg gagaaacacc gtgttttcaa gatcagaaac gactcgcaga 480
tcaatcccat aacctacaa 499

<210> 21865
<211> 670
<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
<400> 21865

accagtctct taaaactaga ccggggcccta caagggcaag tggggcatat ctcaactacta 60
tgttgtccct ggattttaat aatgctaggg ttgggggtgat tctttcacgt tacaagtctg 120
ggcctcttcc aaaaccgttc aaaattctcc ctactgttcc aaattggcaa acgcttctct 180
caatcacgcy tcccgaaatca tggaccgcca acgccattta cgttggaacc agaattattca 240
tctcacacaa gccggcaatt gcgcaagagt tcatctcaac ggtcttgctt gaacgcgtgc 300
gcgaggaaat atacgaacac aagaagctca acgttcacac ctacaattcg atgaagaagg 360
ctctctacaa gccggcatgt ttcttcaagg gattgctatt ccccttagtc tcgagtggga 420
cttgcaactct acgggaagct cacatcgttt cctcgtgatc ggcgcgctctc tttccgggtcc 480
tacattcggc ggcggcactg ctaagatgtg tgaccttgcc gccgaacaat ccatgaagtc 540
attagaaagc acccgtgcgy ggaatacttt attcgagtct tttagagaag agtacgcctt 600
ccgtacaagt catngatgct cttgtcttca tttctgcggt ccgtgcgccc accagcgagg 660
attcatgacg 670

<210> 21866
<211> 548
<212> DNA
<213> Aspergillus nidulans
<400> 21866

taacgcttga aaggtaatgg ccgatcttta cgatcgattg gaagcgacag tcacctcgaa 60
tcgatacaca gaggattcaa ggttccacga tttgacgcat atcgacgaga gcaagtccag 120

cgactccagg cgtttcttag ttacagacct gcgactccac cttaacaatg tgagggcagt 180
 tgttccttta ttcacacgag atctctctta catcaacaat gccttaataa gacccattgt 240
 cgcgtaacata aattcgcggc gcactttcat ccctgtcaac tgtcgcctgg tgaaacgggc 300
 ggcagatttc gacggcagct ggactatcta tgacagcggc ctcatggatg atctctcggc 360
 agctgtaagt catccctttt ttgtttgtct actttccagt tgttgatttg ttatcccatc 420
 aggtatacga tgcgtttgct cgtgatgtcg ttgatgaaca agcacgtaag cgacgcttta 480
 agaaagttag attttggtcg cttcagttgg ctgcccaggc tatcttcatg ggaatggctg 540
 ggaatata 548

<210> 21867
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21867

atgaagctcg ttcggtgctg aaaatcccg cgcagctcca cgtcgaagct ctgcttcatt 60
 gctgcaagaa cactactaac acgtcgaaac caggttctta atgaagtgcg ccaatgagac 120
 ggtaaccatc gagctgaaga atgggtttgtc ttctttcatt ctaattttac ctctgcccat 180
 attaccgcta acattctcat ccaggcacia tctccacgg aactatcacc tccgtcagcc 240
 cgcaaataaa cacctccctg cgaaccgtca agatgacacc caagggtcgg gacccaattt 300
 cgctggacac gatcaacatc cgtgggtcca cgatccgcta ctatatcctg ccggacagtc 360
 tgccgcttga cactctgctc atcgacgaca cgccaagcc gaagaacaag gcgcgtaagg 420
 aggccgatcg tggccggggg ggtgggtcgc gtggaccag agggcggtgg aggggcccgg 480
 gacggggccg gggtcgtggt 500

<210> 21868
 <211> 355
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21868

tacctgccc acaagatcct ctggcgccag aaggagcagt tcagtgcagg tgcggctac 60
 agctggatcg atggtctgaa ggaccacgct gagcttcacg tcaccgacga gatgatgaag 120

aaccctaagc ccgagtgggg tgatgatatt ccaactacca aggaagcgta cgtctttccc 180
 attctattgg cgtaaattga gaagttaaca tggcaacagt tactgggtacc gcatgatgtt 240
 tgacgagcac ttcccatcct actgcgcgtc cacagtcgag cgggtgggtcc ccacatggtc 300
 gaagcagagc gaccccgagt gaaggtacgt cgattcgagg taaagctgcc tgctc 355

<210> 21869
 <211> 632
 <212> DNA
 <213> Aspergillus nidulans

<400> 21869

caagcatcgc cttctttcag atcagagcac agcatcagca tgacaggagt acttcttgcc 60
 ggtgccaatg ccagcctgtg gatgcaaata cctgttgtgt ttgcggtcct tctgctgtcc 120
 aaacttatct gggatgcctt cttctcatcg ttgagggtct ttgacggacc tctacctgca 180
 aagtttaccg atatatggcg tgcattggcag gccttcgatg gccacattga tcgcacgtac 240
 accaagctgc accgcaagta tggttcagtg atgcggatag ggccaaatgc gttgagcatc 300
 tctgaccga gcatgatccg cgtaatatat tccacaagaa acccctggaa aaaggtacct 360
 tctgtcatca tcgaatgtga tgtataagac taggcattta atttgctgaa ttgcagagcg 420
 aagataccgc cccaacgacg ttgtcttgaa tggccaacga gtgtccaacc tcttcaacac 480
 gcaagacgaa aaatggcaca atcacaacat ccttccgatc cgtcatttgt ggcaaatgac 540
 caaggtcctc gaatacgagc cgcttattga caaaactctg aataagttca tggataagct 600
 cgctgccagg tttggtggcg gcgaggtctg tc 632

<210> 21870
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21870

actaattgtc ctcaaattca gtcaccggca cttctcaat gatatgaact cattacttcc 60
 tcacaccac aaagaaagca agctggattc gaggaagaag gcagccggtt acaatctgct 120
 cctgaactcc ctgcgccgacc tccactcctg caacgtgatt ttcttctctg aggccaagaa 180
 gaatggtaa gatctatacc tgtggctttc acggcctcct aacggcccaa cgggtcaaatt 240

ccatgtcaac aacttgaca ctatggcaga gctgaacacc gggttcgctg gtaactgttt 300
gaaggtggt cggggtattg ttgttttcga caaatcattc gacgaacagg gtctgtcat 360
gagccagcca ggcaacgagt accggggact gattagagag atgctccgca gcgctctttg 420
tgtgccgaag cgtggcgta agggtatgaa gcccttcata gaccgcgtta tcggaatcta 480
cggtgtcgac ggtaagatct ggatccgggt ttatgaaatt cgagagtcgg aaagtggaaa 540
caaaaagaag gatggcgaag aggtgaccga aaagcctgcg cacaaccca aggacgggtcc 600
agagatttct ctctggaaa ttggccctcg attcgtctc acccccatcg ttatcctgga 660
aggcagcttt ggcggtccgg tcatttacga gaacaaagag tttgtcagcc cgaaccaagt 720
tcgtcgcgaa atacggatca gtaaggctgc acggtatgcg aagcggagag acgtacaaac 780
cgagcggctg gccaaagggt caaacttgca gctgggacag ggcgagcgaa aaccgggtgc 840
tcttgatact 850

<210> 21871
<211> 799
<212> DNA
<213> *Aspergillus nidulans*
<400> 21871

actatgttag cgaagaacgc gagagctacg tcaaggaacg actaggcgag tggatttcga 60
ggcgcacgag ttaccgacg atgaactgggt ttttgccgcc catgcgatgc ttcagcatgc 120
attcacgata cccgagctgg aggagtggaa gttaacgcc ggcgagctcc agacattttt 180
gctggcttgt cgcgctctc ataactcatt tgcctctac cacaatttcc gacacgcgat 240
agatgtccta caatccgtct tctgcttttt gctacatata ggcgctctgc ccagctatgg 300
atcgattggc gccaacgctg ataaaaactg cccgatcgcg tctatgctca agcgtttga 360
tgctttgaca ttactgatag cagcgatcgg ccacgacgtc ggccatcctg gtgtgaacaa 420
tttcttcttg gtcaagctca acgcgctct ggctcagctc tacaatgaca actcgggtgt 480
ggaagccttc cactgtgctg cttctctgca gatcctgcgc cgctactggc ccgcagcatt 540
caaagacaag gcactgcgca agctgcttat cagttctatc ttggccacag acatgggtgt 600
tcaccagaag ttcatggaac gactgggggc tttgcaggaa aaatactcg aaaataaccg 660
gacaacagat ggctggaagc ctcaagatat cgatatgtac aagactttgg tttgtggatt 720

gttgatcaaa tgtgctgata tcagtaacgt ggcgcgtcca tgggaggtgg ctgagaagtg 780
 gaccaagatc ctgagaaga 799

<210> 21872
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21872

actaccagtg gcagtagaag caggcatgga ttgtggctct aaggaaacct agtaaactag 60
 actatgcagt acccgagca taccaacct tctctttgct aaatatacta ggcaagctac 120
 tagaagcagt catggtttag agactaatat tctgggcca tacctacaag ctactcccta 180
 atacacaatt taaggcagac cagggtataa cacagaacag gtacttctta tactagggaa 240
 taccattgat taagcatggc ttgatccaa agtggtgata cttattgcat tcgacctta 300
 aggagctttt aatgggggtga aggaagcaag ccttaatgcc cgcctgtagg ccaaagggat 360
 cctgatagta gccagaaagt agatcagcag cttcatggag aaccagtata ccagtattac 420
 ctttgataac ttccagacag aggttgcccc tctaggaaat gcaggccttg ctcaagggtc 480
 cccattgtct cctatcttgt ttagatTTTT caactctgac ccggttaacc agccagtaaa 540
 ttaccatggg gttcttctgc atttattaat aactacttct gatagtaagc agggccgacg 600
 gccgaagaca atattaagaa gatctaagag gaagatatcc cctgtataga atcatgggcc 660
 tggaagacta gattattatt tgctgcagag aaaacagaac ttatatacct aactaggtcc 720
 aaaaagcaac atgaaacagg gcagattact ataattagaa agataattac accaacacaa 780
 cacagcaaag cttctggggg tggctcttga taaagagata taatagagag gacatgtcaa 840
 aaacagttaa 850

<210> 21873
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21873

tcaagaaata cgcccttgct gccaccggcg gccgggcat cttcttctac acggcaatcg 60
 taaaagactt ctctcaaaca gccagctcg tcgccttttg cgacactaat cagacgcgcc 120

tagactatgc caattcacgc ctcgaagcac ttggccatgc ccggatccca accttcctgg 180
 cctctgactt tgaccgcatg atcgagaga cacagcccga cgaagtcatt gtcacgacaa 240
 ttgaccgcac gcacaatatc tacatcgtgc gcgcgctgga actcggatgc aacgtcatca 300
 ctgagaagcc catgaccatc gacgcgcctc ggtgccggca gatcttcgac gcagtcgagc 360
 ggacaggcaa cagagtgaga gtaaccttca attaccgcta cgcgcctcac aacaccaaga 420
 tctacgaact gttgtcatcc ggcgtgatcg gtcaagtcaa ctcggtgcat ttcgaatggc 480
 tgctcaatac tcagcatgga gccgactatt accggcgctg gcaccgcat aagcggaaca 540
 gcgggggctt gctcgtgcac aagtcgactc atcattttga cctgggtcaac ttctggctgc 600
 agtcaggccc cgagacagtg gtcgcaatgg gcgacctcaa gttctacgga agggagaatg 660
 cagaaagacg tgggtgagaca aagttctact ctcgtgcgta tgggagcgag aatgcgaagg 720
 atgaccactt tgcaactgcat cttgaccgca acccgagct gaagtcaatg tacttggatg 780
 cagagaagga agacgcctac ttccaggacc agtctgttat cagcgacgga ttcagcatcg 840
 tggatacgat 850

<210> 21874
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21874
 agaactttat ctgactggac caggagcttt atacctaatac taccctagaa gagtttagaa 60
 taactaaatc aatatctcaa gacacactgc ttgatcctag taccaatctg gataattaat 120
 tatctaggaa gctaccttga gacctgtata ataagtttag gaagattatt aaacagctta 180
 cctacctagc tggcagaact aggccagata tctagttctc tataaactga ctaagctaata 240
 atcttacaga tccctgagag gtccatctta gagcttcaag atatctcctt tactatatca 300
 aaggcactgt tatatataga ataacctaca gtgcaaaggg gactacagat accaagaccc 360
 tgataggata ttcagattta ttatatagga attccacaaa gcagagatcg accagtatat 420
 atatctttat gctagctaata agaccagtta gttgggtatag ccagaagcag cctattactg 480
 ctatgtcaat aactaaagca gaatatatta tagctgcaga ggcagcaaag caggctatct 540
 agatcagata ctttctagca gctatatcaa agcatcctaa gcagccaacc caactgggaa 600

ttaacaatca aggtactttg atgctatcat ccaaccaggt taatcatcta cacagcaagc 660
 atatctgcat acaatatcat gccatctagg acttcatcga gtatggagat atcaagccaa 720
 tctatatccc tacctcagaa atgggtggcag atgggtctaac aaaggcaata aaggctgata 780
 actttaagaa agcacttcaa ttgctgcagc tgaagtcaaa ataaggttct ataataaat 840
 atcaagatcc 850

<210> 21875
 <211> 484
 <212> DNA
 <213> Aspergillus nidulans

<400> 21875

cgtggagcga cggacatggt tggatctctc cagagcagca cgggaatctg gtacgttacc 60
 ccttggtgac agaatacaca tcgagtttcc gcttagtctc gcaaaccaga ctggagtatt 120
 caagatccaa atcgactgga tcccactaag cacggggagc attcgtccaa ctcaaggccg 180
 aacccttgct attgggcagg tctgtggtgg gtcacaatca ttcaacgcag tcaactcgct 240
 gcggattctg ggacgctgga tgcgcatggt caccatacca aaccagtcgt ccataccgca 300
 agcgtataca catttcccag aagagggaga accggggcag cagcggctca aggcaagcag 360
 taacagagat cgactggtgg attgtatgga ggaatttgtc aagtatacga tactaatgag 420
 gccacacaag gacatcttcg gggatcgggt cagcgcgcgt gaggagagga ggttgaagga 480
 agct 484

<210> 21876
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21876

ctctcgaagc gtattcctac ctacatgatt cctgcagtat ggctatgtgt cgaagccttg 60
 ccactgctgc cctccgggaa actaaatagg agagaaatca taagctgggc tacgaacaaa 120
 acggatgact tccagggcgg agcttctgag tccagtgggtg tcgagactcc gaaagccgcc 180
 cactcggagg tcacagtaga ggatcgatta aagtcaatat ggagtcgcgt tcttgccatt 240
 ccccgtagcc gaatcagtc tgcagaaagc tttttggctt tgggcggcga ttcgatagct 300

gcaataacct gcatgggcta ttgtaagaaa caggggaatgg gtgttacggg gcaggacgtg 360
 ctccaaagca agtcaatccg agatctggtt acccgcgttc aagagatcaa gcatcttgtg 420
 aaataccaag aggaaaccga agagcctttt ggcctctctc ctatccagaa acttcatttc 480
 atgatccgaa aggagggcca gggttacttt aaccagagcg ttcgtacccg gctgagccga 540
 cggcttagcg cagatgattt aaggcatgcg atacaggtga tcattgagcg aactccatg 600
 ctccgagtac ggcttattaa ggatactctt gtgggaaacc ttcgacagcg catcactaga 660
 gatattgact cgtcataccg gttgcgagtt cacaacatca atcaccaggc tcaaattggag 720
 agtgccatct cggtcagtca atcgtgcac aacgcatttc agggcccaat catggctgtc 780
 gatatttttt acacagagga tgattgcttc ctatcaatgg ttgctcatca tctagccatt 840
 gatattgtcg 850

<210> 21877
 <211> 837
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21877

gttaccattg tggttgaaca cttagatccc gaattgggta catggtctgc cctggagtat 60
 ggctgcatcg cccgagaatc tcatgcagca ggtagcagat ttctcctgag ttcagttccc 120
 aagtcgctgc aaatgccgga cgacctggcg gctacaaaag ggctcgaggt tgagcatcgc 180
 agcgtcgaag aggtcttctc agaccgacaa tccaagatat gcctgttggga cccttctgct 240
 aaggtcgaac ttagcccccgc tgatggtgat acccttgagg tctttctctt tggagggata 300
 ctgggtacgc accctcaaga actacgaatc tagattactt ctaggctgac cgcgacatgc 360
 aggtgatgac cctccacgag gtaactaaga ctacagatagc tgcataaata tgttgaactg 420
 accagctgga accagatcgt acttctgaac tgaggaaaaa gggttatgaa ggaaggcggc 480
 taggaccctg gcagatgacg actgatacag ctgtacgggt caccgcatg gttgtccacg 540
 accgaggtaa ccaccataag atgcagcttc agagatcgtg tgcgttaagt cactgacctc 600
 tagcagttcc cttagaagag attcagtaca tcgacaatcc agagatcgtg atcaatgaac 660
 atgagcggac tgagatgcct ttccgctacg taaaagacag caagggcaag cctatcatgc 720
 ccgaggtagg tcaactgtagc ccaaactcgc tcacagcctg agcataactaa ccggcaatag 780

ggcatggtgg aactaattaa aaaggatgct gagaaaagta ttgaggatct tttttag 837

<210> 21878
<211> 771
<212> DNA
<213> Aspergillus nidulans

<400> 21878

ctcgaaagac gcagctctga acgctgctgt accggaaggg ccgatctctt ctccgcaagt 60
gcagcagaca aacagttcat ggacgcactt ggtagctggc gcgtgagcat ttcttccgat 120
caactcatcc tattaccttg tctcttatca tgtatgctaa tggttctccag cgctggcggc 180
atggcaaccg cctcctcac atctcctctt gacgtcctcc gaacgcgcct tcaatccgac 240
tactaccgct ccagctcaa atccaccaca acttctcac acgctcgctt ttccctcgcc 300
cgttccttca ttcagcattt tagcgaaact ttcgaaattc tcttttccat ccaccgcgtc 360
gaaggctggc gcagcctgtt ccgcggcctt ggtcccagtc tcacaggtgt ggtcccggcg 420
acagcaatca aattttacgc atacggcaac tgtaagcgt tatacccgga ggtctttggt 480
ctggacagag atgcgacgtc gacacatgcg ctgtccgcgg ccaccgcggg cgttgtgaca 540
gggacagcga cgaatccgat ctggctggtc aagacgagat tgcagcttga tcggacacat 600
gtaaatagtg atgggactac gagaccgccg caatatcgga atagctatga ttgtgtgaaa 660
caggtcattc ggcaagaggg tattaaggt ctttatcggg gtttggcggc gagttatctc 720
ggcgttattg agacgacttt acatttggct tcgtatgagc ggataaaggt c 771

<210> 21879
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21879

cgccgggtac gacgccttca acaacgacta cgactcgatc gtcctcaagg gcaatggcag 60
cgtegactgg gatgccaccc atatgttcgg ctaccaggcg ctcggcgaga tgaccctgct 120
tggttaaggaa ctcacgcgcg gtttctacgg tatcggtcgc gacgagaagg tctacaccta 180
ctacgagggc tgctcggacg gtggccgcga gggatatgtcc caggtccagc gctggggcga 240
ggagtatgac ggcgttatca ccggcgcccc ggccttcgcg tacgcccagc aacaggtcca 300

ccatatcttc tcctctgtcg tcgagcacac cctggactat gccccgcccc cctgcgagct 360
ggccaagatc gtcaatgcga ctatcgccgc ctgcgaccog cttgacggcc gcactgatgg 420
cgtcgtcgcg cgtaccgacc tttgcatgct caacttcaac ctgacctcca tcatcggcac 480
cccctactac tgcgccgcgc agacgtctac ctgcctcggt ttogggttca gcaagcgcg 540
ccaccacggc aggaaccgga agcgcgacga ccacagctca acctcttacc agccggcgca 600
gaacgggtacc gtctcggcta agggcgtcgc tgttgcccaa gccatctacg acggcctgca 660
taccacgcag ggtgaacgcg cctatctctc atggcagatc gcctcggaat tgtctgacgc 720
gacttcacc tacaactcca cgagcggcaa atgggagctc tccatcacct ccatggcgcg 780
cgagtacgtc cgcaagtctg tccagctgct cgacctggat aacctctcca cctggacgg 840
cgttacctac 850

<210> 21880
<211> 474
<212> DNA
<213> *Aspergillus nidulans*

<400> 21880
cgcttctatt ttgcgtgcta atcctcgtaa gcatggcgaa cggtttcgcg tactggcagg 60
gccaagacat cgacaatgcc actgctacct acttcgatga catggcacia gccaaggccc 120
acatcgagaa gggtgcccgc gacaatgcga agaaaatccg atttggcaac ggcgagagcg 180
gctggcctac cggtaggctt catgcacatt aagtctagac tcgtactaac ggctgtagat 240
ggcggatctg actacggcgc tgccaaggcc agcaccaagt tcgctgaaaa atactacaag 300
aatgccgtct gcgccatgct cacctggggc atcgatgttt tctacttcga ggcttttgac 360
gagacctgga agcccgacac caagggcgac aacggcgagc tcaaggacga gaaacactgg 420
ggtctcttta ccgatgatcg caaggccaag ttcgatttgt cgtgcccga ctag 474

<210> 21881
<211> 850
<212> DNA
<213> *Aspergillus nidulans*
<223> unsure at all n locations
<400> 21881

gacggccnga ccccgagggc ggaggagccg ccagaaacga cgggaaggcc agcgggccccg 60
 agacaaggcc caggggagcc caaccaggag ggggagagga agggcgagga gaggaacgag 120
 cggagcccgagg agggagggcc agggaaacga acgcaaggca aggacgagaa ggcgagggca 180
 acggaagacg agcgagacga ggagcgcccc tgcgggcccgg ggaaacgacc cgccgaaccc 240
 cccgaagccc gaaagggcaa ccccatgagg aagcactgag caacacgaaa ggcaaagaca 300
 acaagccggg agccaaaacg cccgagggcc ccgaggcacg agccggggccc acgaccacaca 360
 aaggggacga aaggccagag acccaacggc cacacaggac aaggcacccc caaggagaaa 420
 aacaagacca agcgcacaag aaagacaaaa ccccccaaa cccggaggca acccaaacac 480
 ccacaaaacc cagcagaccc aacaaccagc cagcccaaaa agccacacca cccacacatg 540
 agcgccccgg agccaaacca gggcagcaac ccaccaccg agccagaaca gggccagaac 600
 aaccacgccc caggaaacga agaccaacgg ggccgaacca aaacccccaa agagctcaca 660
 cggaaccccc gacccccaaa aaggaaggcc agaaccgcca ccaagcaaga gaaaagccac 720
 cggaagggcc cagcaccacc caccacaccc agacaccag aaccacaaac accaagacgc 780
 agaacaacca aacaacaaaa atagagagaa aaggaagaaa aacggcccccc cccccccccc 840
 cccccaacac 850

<210> 21882
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21882

cgtgcatcaa catggaatgg tatatggcat gtattgggca gcacagagca ccattaccgg 60
 atgtctcaat ctagctgctt cctacgaagt ggcagctctt ggatggaggt ggtactactg 120
 ggtcttttgcg atcacggtcg ccgtcggcct tctccttgct atcgtcttcg ggcttgaaac 180
 tagctaccag cgcacgtccc agtttggtcca tggctgcatg gttgtcacag accagttcgg 240
 cgtaactagg gtgcttagcg aggacgaaac acgacagtat ctgggcaccc atggccaccc 300
 atatagtcgc gacgagggcc atataccgga agagctccgg ccaaagaaga catactttca 360
 aatgctaata ccatgggcat cgccaaccga aagtcctctg atcctcatcc cccgaaccac 420
 gcttcagatc ttctcagcct tcttgtcccc cggcatcctg tacgcaaccc tcgttgcttc 480

tgctgctctc ggctcctcaa tcggcatgtc cctctcctac aacacagtcc tgcagtacaa 540
 ctaccattgg cccgcaaaat ccattgggct aatcaacctc ggtggtgttt tcggtggctt 600
 cggcggcatg ctctacgcag gcttcttcgg cgacaaattc atcgtgtgga tggcgaagcg 660
 gaatggcggg attcacacac ccgaacaccg cctccctctc cttattctcc ctggtatcct 720
 gggagtgggtg gcccttctcc tctacgggct cacagcggat ggaagcgcaa cttggagcgg 780
 gccatatatg ggtggacgct cttccaaatc accttcgtgt ctgtgcttat tctgtccacg 840
 tcatttgccg 850

<210> 21883
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 21883

tgaagacccc gaccaccggg gcatgaagaa gccgcgggct gtcagcgccg tcacagaaac 60
 cctcagctcg caggtgtacg agcactccaa ggagggcaag ttcacgctaa ccctaggcgg 120
 agaccactcg atcgcaattg ggagtatctt ccgcaatgca aggcgacncg cgagcggctg 180
 ggacgggaga ttggtgtcat ttgggtcgat gcgcatgctg atatcaacat tcccgaatg 240
 agtcccagtg ggaatatcca cggaatgccg atggcattct tgacgcgggtt ggcgacggag 300
 gagaagaagg atatctttgg ttggttgacg gaggagcaca aggtcaacct ccgcaagctg 360
 gtgtatatcg gactgagaga tgttgatcgc ggtgagaaga agttgctccg ggagcatgga 420
 atcaaggcgt ttagcatgca tgatgttgat cggctactacc cccttctat ccgcatttgc 480
 cctcgtttag ccctcggcct cgtctgggtt ctacgccctg gagataaatg ttgctaactg 540
 tggcttttagc cacgggtattg gtcgagtggc cgaaatggcc ctgcgtcaca tcggaaacga 600
 caccccaatc catctgtcct ttgacgtgga tgcaactgat cccaatggg cgcccagcac 660
 tggaaacgcg gtgcgtgggg gtttgactct tcgcgagga gacttcatct gcgagtgtgt 720
 tcacgagaca ggaaacttga tctccatgga tttgggtgag gtcaaccca gcttgaagc 780
 tgtgggggct tccgacacca ttccgaccgg ttgctcggtg gtgcgtagtg cgttgggaga 840
 taccctgctc 850

<210> 21884
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21884

```

ttgccaattt gtgtcgcaaa tcaaaccgca tggggtagc ggaacgttct ctgcctctc   60
tagaaactgt catccctgac ggcaacggcg gcactcgac tatctcccca ccagaagtca  120
catatgctcg cttgaagttt agctgggcaa ctggccgcca acgcgaggcc cttcatatgc  180
tccgtgaatt tactgccaac ctaacagaag acttactcg cttcaatgca cttgttgctc  240
cacaatctga ccataacggc atcaacggcg ttaatggtat cgcagaagga aaccataaccg  300
atatcatggc cttcgagag cgcgttggtg atgtcaaca gtttagaaag ctccttgcaa  360
agagttatct aagacttggc gagtggcaaa cggctctaca acgaggggac tggcggccag  420
agcatgtccg cgaagtactc aacgcatatt cagcagccac caggtacaac cgcgattcct  480
acaaagcctg gcactcatgg gccctggcca actttgaggt cgtgacgaca attgccagcc  540
aggcaagtaa ggacggcga aatctggcat tggttccagg gcatatcgta acagaacatg  600
tgattcctgc gattcgggc ttttttaggt ccattgccct ctcttcgacg tcgtctcttc  660
aggatactct tcggttgctc actctctggt tcaaccatgg tggtgaccag gaggtgaact  720
cggtcgttac agagggtttc acggctgtta atatcgacac gtggctcgcc gtcactcctc  780
agcttattgc ccgcatcaat cagcccaact tcagggttcg cagcgccgtt catcgcttgc  840
ttgctgaagt                                     850
  
```

<210> 21885
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21885

```

accccctgac cgatccagtt accgtgcccg ggggaccgag taaggagttg tactttagcc   60
caccatgtta tccaagagct cccattttct ttcgaaatcg gttcaagatt ccatccagaa  120
cccttcgcta gatgatacag acctccctgt gcaaattcgc ccagattctg accgactgca  180
acttctccag ccatttctc cctgtcagcc ggggtgcgct catggtatgg aattgctgat  240
caaggtaaag ggagaatgca ccaccgacca catttccctt gctggaccgt ggtacaaata  300
  
```

tcggggcat cttgagaaca tctgtaacaa catgcttacg accgccacca atgcgttcgt 360
aggccaaggt gaccctcgtc tgcttgcca cactcgccat cctataacct caaaagtgga 420
aggcgctccg caggtggcac gcgatcttaa gcagcgggt gtccggtggt gtatcgtagg 480
tgatcacaac tacggtgagg gcagctcgcg cgagcacgca gccctcgaa caggttattt 540
gggcggggtg gcagtcattg ctgcgtcatt cgctcggatt cacgaaacca atctgaaaaa 600
gcaaggcatg cttccctga cgttcgccga ccccgccacc tatgagcgca ttgctgaagc 660
tgatcggatc actttgattg gtgttgaaga aggtgagcta tgcccgggct cgtcogtgac 720
gatgcgagtc gagccaggc gaggagaggt ctgggaagcg gaactaaagc atagctacca 780
cagcgggcag attccatggc ttgcgctgg gagtgcctg aactacatca aagccacggc 840
tctggctcaa 850

<210> 21886
<211> 642
<212> DNA
<213> *Aspergillus nidulans*

<400> 21886

aaccacctca tcactgtttc ttctcgggg ctgttgactt gcgctggagg aaagtggacg 60
acttaccgcc agatggctga agaagcagtt gatgaggcca tcaaagaatt caatctcaag 120
ccctgtgaat tgcacgatgt ccccgatata agtggcggtg gcggacgcgg tttggttgcc 180
gacaatgctt cgctcgatgg ctcatgcaa actcaccagg ttgcctgat cggagctcat 240
ggctgggtcca agactctgtt catcaatctc attcaacatt acggccttga gacagacgtg 300
gctcggcact taaccacgtc gtacggagac cgagcatggc aagtggcagc actgtcttct 360
cccacacaga cacgcttccc tgtccgcgga cagcgcattt cagccctcta cctttcatt 420
gatggcgagg tccgctttgc cgttcgccac gaatacgac agactgcagt cgatgtcatc 480
gcccgaagaa cccgcttggc attccttaac gcccagctg ccctcgaagc actccctaca 540
gtgatcgact tgatgggcca ggaacttcat tgggataaga acaggaaaga agtcgagtgg 600
aaggacagtg tgcaattttt ggcttcaatg ggattggccc ca 642

<210> 21887
<211> 368

<212> DNA
<213> Aspergillus nidulans

<400> 21887

aagagctgca tcctcaactc cgaattgccc gtcaactcgc ggatacacgt cgttgaggaa 60
ttcaacaagg gtgtgtacga cattatcatc gccgccgacg aacaagaagt ccttgaggatg 120
cataactaca ccttgaggga agtgacgcca ctctatgctg ctactggatt ctgaccttca 180
cctttgacag accattttgc aaagccgcct acactcgcac cgacaaacgc cgcaagctct 240
cctcaaaaga aaaagactac ggcatctccc gcggaatcga cttccaaaat gttgcctgcg 300
tcctgaattt cgacctccct acctcctcca aatcctacac tcaccgtatt ggccgcactg 360
gccgcggc 368

<210> 21888
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21888

cttcaagtag gtgaccaagt tggcgcacca ctgtggcacg gcatgtgcct gcagtgtata 60
cattgttagg agcgcaacgt cagatcttat gtcctacaaa gatggtgaaa aaggccttac 120
tgccgccgagg ggtgctttgc gaatattacg cttgtcgatg gcggccagtg cagtgggcat 180
cccaaagtat gtcacgcgt cccctgcac acatgcacct catttatgtg ctggccttac 240
tgtttggaat gcacccatgc gagcgagatt acaggttaca gacgttgtcg ccaactgttgt 300
aaccggtggt cttggacagg tcgcctgaca gtgcgcccgc gcaatgggag tgccgggtgat 360
tgcactagac atacaaggct agcagctgaa aactgtcaag gataatggaa catcccaagt 420
gaccaggttg cgagtcggct tgctgccctc attgatggac ggctcgttga tacagtcggt 480
gtgacttctg gagcagttcc cggcatatgc aactaccttg agttctgtcc gggcagaggg 540
acgaattgtg gcggttggtt ttoccagcaa agatatcccg atcgccatta gccagcttat 600
ctctcgggcg ctgcagtatg tcagtcttcc gtaacgctac atcatatact gatcagccac 660
aggttgatcg gcgccctagt ccctggccgg actgcagcta gcgagtcct cgagttttcg 720
ctgaggaaaa acatcctctc taaaagtcaa tcccagaaaa ttccgcttgg aggatatcaa 780
tgagatgatc gatcttatga aagctggcaa ggtggagaag ggaagaatgg tggcgagtt 840

cttttaggag

850

<210> 21889
<211> 850
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 21889

ngaaagaaag aaaagggggg ggtttaataa gaagacgggg gagaccccc aaaaacaaaa 60
agntaaggaa aaaagcaaag ggagaaagaa cactccgggc taataaaacg ccgaaagaag 120
aaaaacaagc gaagaaaaaa gagccaataa caaggaatag aaaaccacc aaccaacag 180
gaaagaaata gtcagaaaaa ggagaacaaa caaatattaa ggcaaatgtt aaaaaaaaaa 240
gatccacaag tatgaggaca ggaacgaaac accaaaaaag agaaacctaa gatggacaga 300
gttgaccagt taaaaaaaga ggatatacaa cccaggaaa cacaaggga aagaataaaa 360
atcaacccaa cgcttaagag cgaaacaaaa aaaacaagaa gaacgaggga aagaataaat 420
cgtaaaggaa aaacacgaga gaaaaaatca agtaaaacaa aaaaagcaaa gaaaacgaaa 480
aaaaactaaa aagtggtaaa aaaggagaaa aaaggaaaaa aaaaaccaag cctttaaaaa 540
aggaaggga caataaggag gagaaaaata gcaatatcaa aaaaaagaaa ttaacaagga 600
cggaataaaa ccaaagaaa aggggaaaaa actaaaacta aaaaaacca acacataaga 660
aaaacagtaa ttaagcaaa caaccaaact tgaaaaaaa taaaaaata aaaataaaaa 720
aaaaaataaa gacaaaacta ctaagaagaa cataaaaaaa aaaataaaaa aaatgacga 780
aaaaaaaaan taaaaaata aaagcaatat aaacaataac aataaacac taaaaaaaaa 840
aaaaacatca 850

<210> 21890
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21890

cacctcgcca agtccggaga acttgaagac tttgtttgaa ttcattctca agggctttga 60
tgctctcgct atgccgacca cgccgattac accattctcc agtctaccaa ccctgatttc 120

aacaaggcta ttgttcgct caacatccat cgccaacatc gccagacaat tcaatacatt 180
caacctcagg acgctcatgt gctaggacag gcagaactcc tggtcattga tgaagccgca 240
gccattccgt taccgctcgt ccgaaagctg atgggcccgt atctagtttt catggcttcc 300
acaataaacg gttacgaggg aactggcagg tctctctctc taaaactgat ccaacagctc 360
cggaacaat caagaggcgg tgcaaagatt gccggggatg aactgatgt tgcttcgaga 420
gcgactggaa agattgagaa gaactccgac aagggttag gtggtcggtc actgcgagaa 480
atcactctgt ccgaacctat cagatacgcc cctggtgact ctgtcgagaa gtggttgaat 540
agggttctat gtctcgatgc gacactaccg aagtcaaaaa tgaacactca gggatgcctt 600
catccctctc aatgccagct gctccaggta aaccgagaca ctctgttctc gttccatcct 660
gtctccgaaa agttcctcca gcagatgatg gctctttatg tcgccagcca ctacaagaac 720
actcccaatg atctccaact gatgagcgat gcccagcac accagctgtt tgtgctcgtc 780
ccaccgattg acgaggacgc cgccaagtta ccagagccac tttgcgtcat ccaggttgcc 840
ctggaaggtc 850

<210> 21891
<211> 382
<212> DNA
<213> Aspergillus nidulans

<400> 21891
ctactccga tcagttcatc cggatatgtg gaacgcgact ctctgcatt gcgtcggat 60
taggcaagcc cctgccgcca tctgcagttc gcattacagg aggctgaacg cagaagggtg 120
cggagacaag agtgatcagc aagaaaaaat cacagcggtc gtcaacgtgc cgcagtctaa 180
gtacaactac gtggcaatcg agccaccagt gatagagacg ccgcagctgc gtgacatggg 240
cgaggctacg ccaccgctag agtggattgg ccttcagcgg gacaagctcc ccaatgtcac 300
gcatcagatc ataattgtta ccttgctgga ggtggccaag gaggtagagg acgcttacgc 360
caagatactg tggctcttct ga 382

<210> 21892
<211> 850
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
 <400> 21892

```

caataaaaac aagaagctcg tctccgtaaa ttcatacaaa aagcgtgcac aagatgcctg   60
gctctccatc ctccgcaacg atctctccca accgctccgc aaaacccttc ttcgcatcat  120
ggttcaccac atcgagccct ggttcaaccg cccagaatac ctgatggact tctcacaga  180
ctcttataac gtcggcgggcg ctacctcact gctcgcccta tccggcctct tctacctcat  240
ccaggagaaa aaccttgact acccgcaatt ctacccaaag ctctactccc tctcgcacgc  300
cgacctcttc cattccaaac accgttctcg cttcttccgc ctctaaata ctttccttgc  360
gtctacccat cttcctgcaa cgcttgcgc cagtttcatc aagcggcttt ccagactagc  420
gtcaatgca nccaccagcg gccgtcgttg ccattgtccc ttttatctat aacctcttta  480
aaaatcacc cacttgtaga ttcattgctt accgcgttat tcgagacaaa gagttccagg  540
ccgagctgga agcagaaggc atggatgacc cttttgaccc cgaggagtct gaccagatc  600
agaccggcgc gatcgaaagt agcttgtggg agattgagag cttgcaatct cattatcatc  660
cgaacgtagc ttctatcgcg cggatcatat ctgagcagtt cacgaagcat agttacaatc  720
tgaggagatt cttagattat acctatcaag gtatgttgca ggcggaattg ggtacggggg  780
agaagccgct gaagaagatt cctgttgtgg agtatcaa atccaaagcgg atatttactg  840
atcgtatggt                                     850
  
```

<210> 21893
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

```

<400> 21893

acccggcata agaccgacta ccgggctaag gcggcagagg aggtggccaa agttcaggag   60
aaagccaaga ttttggaaga aatgctgcag agccaggcgc cgggtgatcg gatcgcgagg  120
ggcgatgtgt ttaaggtagg atgaagaatc caccgtaatg aagaagtctt ctaacaaagc  180
cgcaggaact tgcaatgcc cttcagagtg cgcaccccaa gatccagaag atgtgtgaag  240
aggagtcgga tgaccagaa gctgtgcgca aactgttgga gatcaatgac agcatacacc  300
gcacaatcca gcggtataag ctctggaaga gtggtgattt cgacgctgcg acgaggattc  360
ccaagggcac gttgggcact actacagggg tttctaagaa tgccaacaac gagctgtctc  420
  
```

tgategattt cgaccagag cctagttcca acggcgcagg acagccggca caggggtcta 480
 gctctatcga gaatgacttg cttggactat caatcgacga gcctgttccg tccggtggaa 540
 tctcgttagg ccagagtatg tttttctgtc ctttgcacaa gttgtttact aacattcgtg 600
 aagcgagctc tccggcgccc caaatacccc agaatcctag cgcattccaa gcaaattatg 660
 atatcctcgg ttcgttaaat tctagccaac ctgcgtcggt ctcgtcgaca cccgctcctg 720
 catttcatca acctccagtt actgcaaccc caccocctgc agtggacca tttgcgtctt 780
 tagtatccgc tagccctcga aacaacagcc cgctcccttc cagctctgca agccctcgac 840
 cgcccgcatc 850

<210> 21894
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 21894

tgaaagaaga ctcgccattg aaagcaatta caaactcaat tggcgggaac ggggggtgctg 60
 tcagcggaga cttctcaaag atggcgtcgg agttggaatc agttattctc aggcgacctt 120
 acagcgacca aactcctccg catcacatcc acgtctattc gcaccgacac aatacgatac 180
 ttacacttac acgaccaaac ggtagtcctt tgatgtcgtt tggcaccgga gtccctgggct 240
 tcaccaagtc tcgtcgaggc ggctatgacc cggcatacca attgacgtcg catctcttcg 300
 cacagatcca ggaacgtggt ctcttgatgg atatcaaagc catagagatt attttccgtg 360
 gcttcacca aggtcgaaca gccttcacca aggcattgtt aggaaacgag gggaggaata 420
 ttcgggggctt ggtttgtcgg gtagcagatt cgaccaggat caaatttggg ggaacaagga 480
 gcccgagagt ccgtagactc 500

<210> 21895
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 21895

ttccggggcgg acgaccggtg ttgttttggg ttcaggggat ggagtctcac atgcggttcc 60
 ggtgtttgag ggcttcgcaa tccctaatag tattcgaagg atagatgttg ctgggacaaa 120

cgcgccgaca caccgtcttt ttgacgagat ctatcgcccc cattccggcg ctctatgtct 180
atctagacaa tgagtggagc gagatcctgg ccaaggtcga ccaggctggc ggtgggtttg 240
cgctgacggg gcccgtcttt gccacggatc ggagagtgat ctgggaggcg gaggatgcat 300
tgggatactc ggctgggaac ttttacctca gctgcaagac cactgctgcg ctgatcggcc 360
agcagttggt tgggtggtgcg agggccagcg gcacaaacga caaggctgga agtccgata 420
ttctgagacg gttccccagc ctgcgcatga tcaaggagtt ctttctgttg gaggggttca 480
aatatccaag taaccagtag 500

<210> 21896
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 21896
gtggctcatg gaccgggggtt attgacaagt tggactacat ccaagagctc ggattcactg 60
cagtccaaat atcgccagtg gttgagaaca tcccagataa taccgtatac ggagaggcat 120
accatggcta ctggccccag aacatgtacg ctttgaacga gcattttggg accgcagatg 180
aactccgaaa actgtccaaa gagcttccaa gcgcggcatg tatttgatgg ttgacgttgt 240
gatcaacgac atggcgcaac tgtagaacag ttcagtagac agtgggtcaa acatcaactg 300
gtcacgtctg attccgttca atgagaagaa atactaccac ctttctgca gaatcgaaga 360
ctggaacaac cccgacgagt ccaagaactg ctgggtcagt acggaagtag ttgcccttcc 420
ggatctcaag accgaggacg aaagtgtcgt ctccatgatt gaaatctggg taaagggact 480
ggtgggcaac tactcaattg acggtctgcg cgtggacgct accaagcata tggacgaagc 540
ctacctgacc agtttcagcg acgtcatggc gtgttcacga tgggggaagt ctacaccgag 600
gatacagacg ccgtctgtaa atatgaggag gttttatcgg gtctcctgaa ttaccccatg 660
tateggccga tgggtccaggc tttcactgcg ggaaacatgc ccggtcttgc tgaaaacgtc 720
cgggctgtta acagcaaattg caaggatttt actcggctgg ctacgtttac tgaaaacat 780
gatactcccc ggtttgcgtc tctgatcaat gatacgactg tatgctccca taatcttaga 840
actgctgcat 850

<210> 21897
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21897

```

atgatatctg agcaagcgtc tgtccctcct gctttggagg acatctttaa cgcgcctgat   60
gtcttagaga agcttctctg gatagactct atctgcggtc gatttgggag ttacatcgca  120
aattgttctg ctgagagctt ttccgatatc caaggtgctt tctacgaact ggaaccggtt  180
gaacgtacgt tgaatttctg gctcgaaggc ctaaagaaga acgagataaa catgaaaaag  240
tgtgcggtgg aattacagag atccattgct ctactttcgc atctggcaga gacacttctc  300
ccaacttcct tggagacatt tgctgatgaa ctctgtatga gcacgacatt gaccagtc  360
tacattgaga attcagtgtc ctcaatgtcg cgattgctct cattactgca gtcgaaactt  420
ccgaaagccg aggaaggcga tgaagaagcc tcgtttttgt ttaacaagat ggagggcctt  480
atctctcagg ctgcagctt gaaagttgct acagtgaaga tcaaccgtgc cgttgatgat  540
ttaagggtcaa ggtccctggc tctttctcat gatgcgtgtg gtcctttcaa gcaagcagag  600
aatgctgcca aagatcttgc aagcttatcg cgacaaatgg gtgagaatat tgtgcaatta  660
attagcgatg acagtcgtgc ggagccatt tccttgcaag aggttttgac gaacatgtct  720
caaatatctg cattgtacca gtcagaagcc gcagagaaca acgatggcat gtcgctcatt  780
ttcaccatgc tacgcagcct gageggcact ctccaagaac tcggttctat ttcgtctgac  840
ttatcaatta                                     850
  
```

<210> 21898
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21898

```

tattgaatgg gtatacattc acaataacac ctctgtcatt caagatgagg tgcttgaca   60
gcggcttggt cttatccctc ttcagggttc agtcgaaggc ctcaactgga tgcagtggta  120
caacaagggc agcgaagatg agcctggcag cggtagcgac ctggcagatt acaacaccgt  180
cgttctgcgt ctgcagctcg aatgtaccaa gaaccgaat gcatcccggt acgaaacaga  240
ccctcgcaaa ctgtacaaga acgcacacgt ctacgccaaag gatatcccct tccaccctgt  300
  
```

cgcccgccaa gaagagttct tcaccggtga aggcgccatt cgaactgtga accccgatat 360
tctcgttggt aagcttcgcc ctgggcaaaa gataaagttg gaaatgcact gtattaaagg 420
cattggagca gatcatgcc aattctcccc ggtagcgaca gcgacttatc gtctgatgcc 480
ggtcacccag attatgcgcc ctatcattgg agaggacgag aagaaattcg ccaaagtctt 540
ccctaaggga gttattgggtc ttgagcccat caccgctgag gatgagcggc aaaacgctga 600
atatcgtggt cgtggcggcg agcttaaggc cgttggttcgc gatgctttca atgataccgt 660
tagcaggag tgcttacgac atgatgaatt caaaggcaag gtcaagttgg gccggattcg 720
cgatcacttc atcttcaaca ttgaaagcac tggacagttt gacagcgacg ttctcttcct 780
cgaaagcgtg aaggtgctga agctcaaatg tgcacggtgg aagcggggct tgacggacct 840
catgcgatag 850

<210> 21899
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 21899

cattaagtcc agatcttggg ggtgcaaata ccctcacaga accaaacaat gccttcctat 60
gcggttctgg gggctacggg taatactgga cgggcgatcg tccaggtagt acttgatcga 120
gcagacaccg acaccagaat tcacatctgc gcctactgtc gctccaagga aaagctcttc 180
cttgtctgtc cggcggccga gacttttaaa agcctttcag tctttcaagg acggctggat 240
gatgatagcc tcacgatga atgtctcagg ggcccccatg ccctgtttct ggtagtcgcc 300
attgtcgaca acatgcctgg ctgttcgggtg gccatgccta ctggcaaggc gggttgagcg 360
ttcttttaaac ggctttgcgc tacaaaacct gcaataagtt ttccgtgatt agggatttct 420
ttttgcctt cctggagccc aactttctga acgatgttcc ctcccgtga cttggctctc 480
atactgccgt ttccattttc 500

<210> 21900
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21900

cgacacggagg acgagaacga cagcgggggc gctaccggga aggaatcccc ggacaccccc 60
 ccggacagaa aagagacggg ataggacaca cgaccagacc gacagaggcc gcacgcgacc 120
 aacgcaacca taccacacca gcacaccgac cgaaacccca agcgaatgcg caagaaggcg 180
 acgagccccg gcggacccca aagggtgac aaaaacacac cacgcgcgcg acacaaaacg 240
 gccggcgact aaaccacaca aacgctcgac accaagacca gaggcaggaa accggagaag 300
 gacgacccca aagacgccga caagcggagc cccgaagcgg gccaacacgc acaggcgag 360
 actgccaacg caagaaaggc ggacacaacc agcgtgact gccgcgagga cggaggacaa 420
 cgagcgaaag acaagaagcc accgggggca aaacaggcac gaccggaacg gccacgaaca 480
 ggaagcgaga ggcgcggcca gtacgaaaac cagaacccca gaggcacgcc actggccaca 540
 ccccccgag accgaaacca acgaacaaca acagaacact gggaccgaac cagcaaagcc 600
 aaaccacccc ccccaaaaac aggcagccca gcaggccacc cgagaagagg gaccggacgg 660
 gccctggcca gcccacaaagg gaccaccaa cccccacccc cggcggcagg cggaagcaag 720
 gcagcaaccc aaaccacaag aaaacacccc aaatgagaag caagccggaa cccccccca 780
 acaaaagccg gaccaaagcc cgcatacgaa cccaaaaacg tggcacacag gaaaacgaca 840
 cacaccacca 850

<210> 21901
 <211> 605
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21901

atgccatgaa aagcatgtaa aacaaaacaa gaattgattg agcaagaggg caggatccaa 60
 tgcgcgataa ataatttaaa aaataaaaaa attcctaatt cttgtcaagc tgtattaatt 120
 tacaatctac ctccctaaat cttatataat tagttaaaga gactttaatc tcaagcagaa 180
 ctctgcaact atagatatag gctatcccta tattaggaag aggtattagt agtatagata 240
 gtattacttg atatatatag agtaccacct aggtacttct aagtataaga tatagtataa 300
 attatcctag aagctgattc ctctacctcc tcttaactag ttagaaagaa ctaggttata 360
 gagtttacta agtactgccc agagattaaa agcagggtta cttaaaaaat aaattactaa 420
 agaactcttt ataaagatcc taaagttatt agtaaattag ttactaagtt atagagggtt 480

aaagcttagt aagagatcta gaataaagat atctataatt ttaataaaac tggctttgct 540
 atgggactta ttataataat aaaggtagtt actagagcta aaatatctag taaactatag 600
 cttat 605

<210> 21902
 <211> 490
 <212> DNA
 <213> Aspergillus nidulans

<400> 21902

ccgcatgctc gatgcgaacc acggccagcc cgtaccggaa tggcgtctca ctccggccat 60
 tgtcgggtcc gtcgcgttct cggccggcct gttctgggtc ggctgggtgcg ggtacaggga 120
 cgatgttcac tggatggcgc cagttgcac aggggtgctc actgggtctcg gcattttctg 180
 tattttcttg cagtgttca actatatcgt tgactgctat cctacgttgt aagtcctgcg 240
 ccgtctctg cccattcttc tctggactaa ccataacagc gctgcgtcga caatcgctgc 300
 gaatacgcac ctgcgctctg cgttgggatg tgcgtttccg ttgttttcaa ggcagatgat 360
 ggagaacctc ggcgttcagt gggctggcac cttgctagga tgtatcgctg ctgccatgat 420
 tccgatcccg gtgctgttcc gtatgtacgg gccgtggctg agacagaaga gcaagctggc 480
 ttgcgcttcg 490

<210> 21903
 <211> 587
 <212> DNA
 <213> Aspergillus nidulans

<400> 21903

accagactgc atatgagctt acctgctata atcgctacac cgattggatt gcttgtcttt 60
 ggtattggcc tagcaagagt aagttaagag cttaggtttg ggcctagtca aagtgggtggc 120
 taatggtagc agggttggcc gtgggtggcc cttgctctag gtagtgcagt ctttgccttg 180
 ccatgttctg catcggcgcc tgtgcactta catatcttgc tgattgctac caggaagtat 240
 gctcgtctag ccttttgcct ctatgttctg catatcctga cgaagcgtga gtagataatt 300
 ggtgatgccc tagtgggtgt cgcattcgtc cgcaacggct tggcgaccgt cttcgttttt 360
 gcactgacac cgtggatcga agcttcgggt ttaatcaata tgtttattgt ggtagcgtgt 420

attgcgacgg ccatgacgct gacgattatc ccaatgatcg tatttggtaa ggcgctaagg 480
gtctggacgg aggtgggata tcgacagatg gcagcggtgc agcctggaat taggaggctt 540
tagttggtgt aagcccttaa gggccaattt caggatattt ggtgagg 587

<210> 21904
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 21904

aggatgccgg catgagtgtc tacttggaact tgcatttgag tgatacgtgg gcggacccgg 60
gagaccaggt atatctatat ccattctata cttccaagat gagctaaact gagacgacta 120
ctgtacaggc aacccccctct ggggtggtcaa caaccgacat cgacaccctg gcttggcaag 180
tgtacaacta cacactggac gtgtgcaaca ctttcgcaga gaacaatgtc gccgtcgaga 240
ttgtctccat cggaatgaa atccgcaacg gcctccttca ccccttagga tcgacagacc 300
actacgaaa cattgcgcgc ctctgcact cgggcgcctg gggcgtaag gactcttcgc 360
tctccacgac gccaagatc ctcttcacc tcgacaacgg gtgggactgg gatgcgcaga 420
aatacttcta cgacaccgtg cttgccacgg gtacactgct gtctactgat ttgacctta 480
ttggcgatc gtactacccc ttctacaatg cggatgcaac gctctcctca ctgaaaacga 540
gtttgacgaa cctgaagtcg aattacggca agaattgtgt tgttgtggag acggattggc 600
cgggtgcagt tagctgcct gagtatgcat ttccgtcgga tcttagttcg attcctttca 660
gcgccgatgg gcaggagact tttctgggca ggttggcgga cacctggagg atgtcgggtg 720
tgtgggaata tattattggg agcctggctg ggtggacaat gcggggctgg gatcgagctg 780
cgaagataac ctgatggtt actggaggga caggactgtg agggaaagta taagtgtttt 840
tggtgatctg 850

<210> 21905
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 21905

tcccgtcaa gagcgccttc tattcattca cgagcttgaa ggtggaggca atgcatataa 60

tatcgatgct gcctttgagc tacctccata cattgatcaa tctcgagtcg aagaggcatt 120
 atataccatt ctttcaagac acgaagcctt acgaacattt ctgctgcggg accaggcaac 180
 tggcacgttc taccaaaaga tattgactac cgatgaggcc aagtgcattg tgatcattga 240
 gaaaagtgcg gtgagcacca ttgatcaaat tgattccata gtcggacgcc tatcgagca 300
 cattttccgt ctgattctg agcttccctg gttggcgcaa attgtcacgc aaaaacggg 360
 caatctttat ctgaccctgt ccttccatca cacttgcttc gatgcatggt cattgaagat 420
 cttcgagcgg gagctccgag ttttttgccg gtcaaacgaa aaaggcggca acatgccaat 480
 cctaccaatg cctcaagtcc agtacaagga gtatgccgag caccatcgtc gacgactagg 540
 taagaatcag attcaaaaat tatccgactt ttggctgcaa agactagacg gcctggagcc 600
 cctacagctc ctaccggatt atccgcggcc tgccaattc aactacgatg gaggtgacct 660
 ctccgtcatt ctggacgggt tgggttctga aaccctcagg ggcattgcaa aagaccacgg 720
 agtaactctg tacgcagtgc ttctcgctgt ttactgcctg atgctttcga catatacaca 780
 ccaggtagat atcgctgtgg gagtcccat cagtcaccga acccaccacc tgttccagtc 840
 tattgtcgga 850

<210> 21906
 <211> 473
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21906

tacaccccaa ggactgggag aatccagggc gagttcgtgt gcaattacag gacgagaacg 60
 gggaaccggt tacttcacac atcaagaata gtatgtctac tttatggcgc accttcaatc 120
 tcgccggttt cttcgacaaa ttgagccccg cgacttattg ctaacccac ccagagcacc 180
 acctctatat cctcatcgcg cagtacctca aagcccacc gacaacggat caatcgccct 240
 accgtttgag cattcgagga ctcccaatgc ctgagaaact accagatgcc cccccgcgc 300
 ctgcgggctg gaaaattggt aaaatcctgc ccatacactc cgccgcatat agtggtggtg 360
 gggttagcga taaccctcta aaagacgcta tggccgagat gcagaatatg cagggaatgc 420
 ccggtatgcc gcaaataccc ggaatgggaa acttggcagg tatgatgggc gga 473

<210> 21907
 <211> 502
 <212> DNA
 <213> Aspergillus nidulans

<400> 21907

```
tcagttgatg cgcgaggat gtccaaggcg gaagcagaac gtgcccacgc tgtccagctc   60
atttctcaaa cttgtgttcg gcttctgcga aagacgttac tgcaagttcg agttgctggt  120
gaggtgatac attgcaagag tcccaagaat atgatcacgg aagctggacg tctaataact  180
ttcggcattt gataccgtcc aaactgacac cttgacttta gatacgatgg gctggaccct  240
acgctcgtgg gcggtggggc taggggacca ggggcgctga aagggtgaaga ttagtattcg  300
ccataacttg taccttgata accaactaat atgttcttct agcgtactct tggggctctt  360
ttcaaactat ctggttcaga attcgtctgt tccagttatg gttgcgcgga agaaaccaa  420
gaagaaatcc aagaacaaga caaatgtacg ctttccaac aatctgacga cgccgaagaa  480
gctggcggcg gcaagggtag ac                                         502
```

<210> 21908
 <211> 587
 <212> DNA
 <213> Aspergillus nidulans

<400> 21908

```
ggttctttcg ataaacaaga tgacaacctt gtcactatat ccgattttgg ggcgcaaagc   60
ctgatcatcg ctgcaattca tcgtcatttt cctgatgatg atatcgttgg cgaggaagac  120
tcaaagactc tccgtgccga gccggaactg ctgcaacgca cctgggacct tgtctcgtct  180
actcgacttg aggatgatga gagtgagaaa ctctctcgg caccgagctc gaaggacgag  240
atgcttcacc tgattgatct aggtgcgag gggagctgca agcccaaagg ccggacgtgg  300
gtccttgacc cggtcgacgg aaccgcaacc tttatgctg gtcagcagta tgccgtgtgc  360
ctgggccttg tggaggacgg gaagcagatc attgggggta cggggtgtcc gaacctcaac  420
ctcgagtttg gcggtatcca ggaggacct gcggacgtgg cagggcgcg gttgatggtg  480
cttcgctgtc gccggtgaag gcgctggac aaggccgatg ggaggcgggt ccctcgtgcc  540
tgcgacaaag attcagccgg tcgagcagat tacggaccct aaagata                    587
```


<210> 21909
 <211> 372
 <212> DNA
 <213> Aspergillus nidulans

<400> 21909

tcaaccgtcg caccctgttc cagccgtacc gagactcacc gtcgccccga aggcgtggat 60
 acgtctgata tgtcgaatca acatatttac gaccatcatg agcgggtaat gcgggagcag 120
 gacgagcagc tcgatcgatt gggcgagtcg atcgggagac agcatcagct gagtattcaa 180
 attggagacg agctcgacgg ccatgtggcg ctgctggacg agatggatgg cactgttgac 240
 cggcatacaga gcagattgga taacgcccgt cggcgcatcg acaagatccg caggagtgtc 300
 ggagagaatt ggagcatgat gacgatcatc ggattgatta tcatccttgt tatcttgatc 360
 gtcctgttaa aa 372

<210> 21910
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 21910

ggtggacttc gtattgcatg tcgtattgag atataggtat caaaccacgt ggacgtgact 60
 gtggccgtgg ctgtacactg ggtacgggac accataaacg aggagatacg aggcaactct 120
 gtcatacactc ctgcatcgtg taaaggcgat tccagtcctt ccatacacaa ttttccggta 180
 agcccctgag atggcgctca cgaccgaaga aactgcgctg gtcgaaacag ccaactgtgac 240
 aatcaacagc atcccagttt ctgaagacta cagtgtcagc agcgccgccc tctcctccga 300
 tggacgcatc ttcaccggtg tcaatgtata ccatttcacc ggcggtcctt gcgcagagct 360
 tgtagtgatg ggtgttgagc cgcagcagg agtgacgcat ttaaaacaca tcgtcgccgt 420
 ggggaacaat gatcgcgagg tcttgagtcc atgcggccgg tgcgacagg tcttgctcga 480
 tctgcagccg ggagtccgag 500

<210> 21911
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 21911

gtcctccgca ttgattctga cccaagatac ctcacagtct gatgggatcc ggccaatttg 60
 acaaagccgc catcctcagc cctgacttct ccggcggtga ggcttcgtct cccggcttca 120
 cggtacgcat tccatatccc cgccagctt ccgcggcgag cttccgcctc ctttccgacc 180
 ggccggatcg tcttgtctcg actatcatcg ctgaccacaa agacagatct cgtcccagga 240
 aatccaaggt atcggatctg cctttggtga cagcacctgg gccatgcaga acggtgtcac 300
 aatcgggtga gagaagttcc tcgctattaa agctgatgac cagagtgttt acggcaagaa 360
 ggtaactcct tgaccataag atactacca tctggcttgg gcagtactaa ctgagataaa 420
 ttctagggca aggagggcgt tgtattggaa gacactttct tgatatgac ggacacacc 480
 gaggcgtcag acaccacgcg 500

<210> 21912
 <211> 512
 <212> DNA
 <213> Aspergillus nidulans

<400> 21912

cgaccgccac actggcttca gcgtgttaaa caacgcctgc tggctctgcg gtgagatcgc 60
 cgtgaacgag aaggccgcgc tcgctccata cgagagaag ctgtatcacg gcctcttagc 120
 catcattaac aacgaggaga tcacgactc ggtcaacgag aatgcagcca tggccctagg 180
 ccggcttggc atttgttgc ctgaccagct tgcacctcga ctggctgagt acgctggcac 240
 tttcctgaag tccatgagca gaatcgattt tacgcgggaa aaggcctcgg cgttcctcgg 300
 attcaaccaa gtcgtgatga agaaccacgc ggccatggag tcttcccttg tagactactt 360
 ccaggcgatt gcgcctttcc cagcaagtcg ctccaccagg atgaatacca cgacattcaa 420
 agttcatttc aacaggtagc tctgattcaa tcacatgttt gtctgattta ctaacggggg 480
 gtgacagggt cttcaagggt ataaaaatat ga 512

<210> 21913
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21913

agctgggctc tgatgtccta ggggaattct gtgtaagtt caacatcacg cctgctaata 60

tttgccaggt agcatgggca ctagtgtca ggtcctacac cgggttgga gatgtgtgtt 120
 tctcgtatgc aacgtcgggg cggtatgttc ctcttaaagg aatcaacaat acggttgag 180
 ccttctaaa cgcagtggtc tgtcgcatca agctgccgcc tactgcaaca gttccgcagg 240
 ctttggtgaa agctaggaac gacttcgtgg aaagcctctc acatcagtac tacttagcct 300
 tggatgatgc gcaatctggg gactttgccc gtttcaagag caacacatta atgtcatgcc 360
 aacgaaaagc tgcaactgaa ttagcgggat ctgggcttgc ttttgagctt gttgatgctg 420
 ccaaccccaa tgaagtaagt agtgattata tcccttacag tccattcgac gctaacaagt 480
 gcgcaagtat gacatgtcca taaacatcca agtagggcat gagggattgg aagtaatgat 540
 tgattactgg aactcacgga ttggccagcg cacggtggag agtgtggcac aatccttccg 600
 gcaggcgctc ctgaacatcg tcaaagaaga agatgccgtg ctgggagaga ttgatattag 660
 taccactcaa gaaatcaatc agcttcgtga atgggccaag gagatccac caaaggcaga 720
 ctatcgtatc cagcaciaag tgtatgaaca gcgactccgc cgaccgatg cttgggctgt 780
 tcagggtggt gacggcgact taacatatca gcagctggac gaccgcgga agtagttgca 840
 acaacctcat 850

<210> 21914
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21914

tagcgctgag ataagggatg ctcatgcgcg ggatacatgg accagtggga ttgatgtcag 60
 tgcagatggt aggcttggtta ttaccaaggg tggggacgac acaattaagc tatgggatac 120
 gaggaagttc aaacaaccga tcacgactgt ctgcacccg tccatctctt cacgatatcc 180
 gacctcaaac atcgtcttct cacctacctc ggcaaacgtt gttactggtt cagagactgg 240
 acatttacac attctgaacc cagcgacact gaagcctgaa ttggtcacgc cagtcacgcc 300
 aggatctccc ttgatcacag tccaatggca cgagaaactt aaccagatcc tcaactgggtc 360
 cgcaaacgca gaaactcacg tgctatataa cccgaatatg tcaaccaagg gcgctgcctt 420
 ggtcatgtcc aaggcgcta aacgcccca cattgatgat gaccaacct taactatgaa 480
 cctttcgcaa ggtatctccg gagactcggg ggtggtcgga tcgaacggcg tgccgcacta 540

cagctccgct acgtgggtccg cacggcaccc taccatcggc ttgacggctt cgggcccgttc 600
aagagatccc cgtcggcctc acttaccgcg acaaacaccg tttgcgaagt cgcaaccgga 660
cgagagacac atcagggaga atatcccgtc tagttctatg cgtgatgagg accctcgtga 720
agcgttgctg aaatacgtg aaaaagccga gaaggacccg atctttacaa aggcgtggaa 780
ggaaacgcag ccgaagccaa tttatcgga tatcagtgat gatgaagaac cggaaccgga 840
taggaagaag 850

<210> 21915
<211> 850
<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
<400> 21915

cgcagcgatc atgttctcgc tcgccctcga atacggcggg aacgagtacc cgtgggtcttc 60
gtccagggtg atcgggtctc ttgttgagc tgggtgcaac gccctcgtct tcctgggttg 120
ggagtaccgc aagggcaaag aggcaatgat ccattccat ctgctgacga ttcgcatcgc 180
atacagcagc tatatcgcca cgggtgtgat gtccgggctg gcgatggcga tcgcttacta 240
cgtgcctatc tatttccagg ctgttcgaga caactcgncc ctcatgagcg gtgttgattt 300
cctcccatat gttcttgccc aactcgtagc ggctgtcatc acaggagtcc tcagtacgta 360
actccatcat cgcactgttc ttgggttggt gcgtgcaaag gtcatagtt gacactcgta 420
tcagttggcc gactgggcta ctacctccc ttccgcatcg tcggtgcaat tctcagcgca 480
gtcggctccg gccttttctc cttgctatcc cccacaacct caactgttgc ctggggggca 540
taccagatca tcctcggcct tggggcggga gcatcaacgc agcctgttcg tctactctca 600
cccaaatcga acctgagccc tacccttgaa cccttacaag actaagaggt gtatgctaac 660
cagagcggcc atgctagacc cttctcgtg tgcaaaatgg ggtagcagcc gacgacctct 720
caacagccat ggcaattctc acattcagcc agacatttg aggaagcgtg ttctcgcgg 780
tagcaaaagt catcttctcc gaggggctga aatcgagat cccgcggtac gcggggggtg 840
ttataacacg 850

<210> 21916

<211> 783
 <212> DNA
 <213> Aspergillus nidulans

<400> 21916

```
ctcttcaatg gacagggcag cgccccggct ccctttgacg tgctgacctc agccttgtct 60
tttcccaacca gagaccagga gcaatggtgg cgcaagaccg gcccaatggt tggtcagatg 120
ctcgctcgt ctggctatac cctcgatcag cagtatcggc acctcacctt ctactacaac 180
caactcgttc cccgcctcgg ccctcaccca gcaacattcc attccagtct gactgtcagc 240
gggttaccca tggagttcag catcaactac cagcaaaagg gtgcgcatcc aatgggtccg 300
attggcgcgg aacctatcga ctcttttcg gggacggaac gggacccatt taatcagatc 360
ccgccggccg agatggtaaa cacttctcca gagcgggagt taaaggattc gatccggagc 420
tttatgcgta cttcgagcca aagcattctc taactcgtga gcagcaagcc agactaccga 480
aagaagtacc tgggtggtgac aagttaaaga cgcaatatgc ttctgggttc gattttaagg 540
gtgatgaggt ttcactgaag gggatatagct atcccgggct gaaagccaca atggcaggcc 600
aggaagttgc gaagctcgtc ggagacgggg tcaaggacct gaaaaaccaa ggcaaaactgg 660
actgcaccga ggctgggca gctgtggaag cctacatgac tgaactcaac aactggggct 720
accacaacct ctgggcatgg gattacgtca cgctgcgaa atcacgtctc aagttgtatt 780
ccc 783
```

<210> 21917
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21917

```
cgatcttccg ccgcgccttc gcgtgcgta tcttcccacc tgatattgtg cagaagcttg 60
gtatccagca cgtgaagggt attttgctct tcgggccgcc aggaactggc aaaacgctgc 120
tagcgcgaca gatcggaag atgctgaatg ctcgagagcc aaagattatc aacggccccg 180
aggtactgaa caagtttgtc ggacagtcag aagagaacat ccgtaaactt tttgccgacg 240
cggaacaaga gtataaggag aagggcgacg aaagtggact ccacatcatc atcttcgatg 300
aattggatgc tgtatgtaaa cagcgtggca gcggagcagg aggcggcacc ggtgtcgggtg 360
```

acagcgttgt caaccaactg ctatctaaga tggatggtgt cgaccagctc aacaatattc 420
tacttatcgg tatgaccaat aggaaggata tgattgatga tgctttgttg cgacctgggc 480
gtctggaagt gcacgtcgaa atctcactgc ctgacgaagc tggtcgagct cagattctcg 540
gcatccacac ccagaacatg agacagagtg atctaattga tccaagcgtc aatttgctcg 600
aactagcgac gttgacgaag aactattcgg gtgctgagat tgctggcctc gtgaaggctg 660
ctacgtcggt cgccttcaac cgccacattg actccggtaa gacagttagg gttaaggacg 720
atgccgcgga aatgaaggtc aaccactccg attttattca tgctcttgat gaaatccagc 780
cagctttcgg tgtgtctgaa gatgaaatca agagatgcat tgaacataaa atcataaatt 840
attcggacaa 850

<210> 21918
<211> 396
<212> DNA
<213> *Aspergillus nidulans*

<400> 21918

ctcgaacgog tgtcttctca agcgggggttc ctgagtaacc atcatccggt cgtctttact 60
gaagcgcgat cctcgctaca tccaatgacc gcgtccact ccgcttcaaa gccagatagc 120
ctctcaccac caatacctct agcgagcaaa ccatcattgt ccgctttggc gggtaagaaa 180
aaacccccgc ctctcctcc aaagccgcgc agtgcgctct cgaacatgtt cgtaacagcg 240
ctctatgatt tcggtggaca gggcgaaggat gatctggtgt ttcaacaggg cgatcgcac 300
cgtgtcctga agaggacgga tagtacggat gattggtggg aggggtgagct tcgtggtgtc 360
aagggcagtt ttccggcaaa ctatgtggag taattg 396

<210> 21919
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 21919

tccctcctcc aaccacgct ccgccagcgc ggcggcggtat gtaccccgcc tcgtagaact 60
agctatccgc ggcgcgcgac ccgtagacaa cggcagtgaa aacacatacc gtgtcatcat 120
cagctcttta ctgatagct cctcctatc ttcaatctc gaaggcctct actccgctta 180

tgaatccagc caaacaacag ggccgaacaa aaaacaaacg agcatctacg gtggcggttga 240
aacagactac ttctctgtcc ttgcacgtct cgccctcgca caccgacgc tcttcgtttc 300
cggcatcaca cccgcttact ccaatagcaa catcagcaac aacagtcaaa ctccagaaca 360
ggcgaggaa catctcatca cctggctcct aaccgaatgg tttctgact acgacaacat 420
cggcaccgca acgcagaaga aactgcacgc gctggcttta acccagcttc tcaccctcag 480
tgggcctaata acccagccac cggcctatat cctaaaccac ctgcaatcgt acctcaatgt 540
ttggacggat attattaccg agttggcgga gggcacgacg gagggatgac caagtgatcc 600
tcgcggtggg gattatctca tctactggaa taatgocgag acggggacat atgaagataa 660
cgagccgcca gaaaacatgc gacggcggtga gtgggaaagc tcggatatcg ttcacaagac 720
aaacattcga gagtttgtgc gcgacgggct gcagtccttg attgtgagtt gtgggtgggtga 780
acagcggttc caagaggatt ggctgctcaa tgttgatcga gatgtgggtg cggcttttgc 840
cgcgctgcgg 850

<210> 21920
<211> 549
<212> DNA
<213> Aspergillus nidulans

<400> 21920

acaccatacc tgatatacag gcgattactg cgatgtctac ctgacgcacg actcaatgag 60
cgtgcgcaag gcgcacaact ccggacgaaa ccacctaagg aacgttgtgg aatattatca 120
acgtatgtcg cctgacatgc caatactaata ctgtgggtggc ctgcaaactc aagctcacia 180
ctgcattgca gaaatcggac agggaaaaggc acaatcagtc atcgattcca ttacgtcctc 240
atacgccgct gaagggcagg ctgtgccaaa ccagctatg gttcccccggt gtgcttacct 300
gccttcgttt gggttcccag gtgcgtagtc tctttgaccg cgaaaacatg agaactaata 360
ctgataccct tcattaggcc aatttccttc ttcccccaatt ggaaattctt cttctggggc 420
aaggggtgcc gtcattgcaa cacttacgtt ttgggctctt tggttttaa ccaaaacact 480
aaccttataa gccccggagc cgaaaccttc ctttccttca ccgtttccac gtgcttcggt 540
ccatgggga 549

<210> 21921

<211> 507
 <212> DNA
 <213> Aspergillus nidulans

<400> 21921

```

ccccacccc ccccccaac acattcccta cccccctgta ttccaccccc cccaaccaac   60
cacaaaacag gggggcttta acacacaagg ggggtctaac aaacaacccc cttataaccc  120
caccaccgat ccttcaaaag cccaagccca ccatcatgac aaccaacacc ccactcaacc  180
ccccccatcc accaccgatc tttaacctcc ccctgagaca tccctcatcc acatatctcc  240
ccaccacaaa catcacccca cccacacaacc ccatacctcc cgtccactct gccaaaccacc  300
caccaccaga ctaaataccc aaaactacct ccaaaacccc cagcccccca cctccccccc  360
ctccagattc cacctcttcc ccaaaaccca cccccacca caaacacccc ccaatgcccc  420
ccccacccc ataaccccc caacccccca agccccacc cccccccaa ctccaccctg  480
ccccccccca atccaccaca ccaaacc                                     507
  
```

<210> 21922
 <211> 331
 <212> DNA
 <213> Aspergillus nidulans

<400> 21922

```

cacagttcaa tgggccgcaa caatccttcc acagcttgct tctccgtcta agaacctctc   60
tcaacgccgc gttgggttca cgattgaaaa gggctcacct gcgcgtgagg gtgctgtcat  120
tatcgacttg aacgatgagt ctaagactca gattggcggt atcacttctg ggttgccgag  180
tccatcgctt ggtggaacga atattgctat ggggtatata aagcagggat tgcataagaa  240
agggacggag gttggggtcg tagttagaaa taaggtagagg aaagcgacgg ttgttgggat  300
gccgtgggtg gagagtaagt ttaccgcaa g                                     331
  
```

<210> 21923
 <211> 746
 <212> DNA
 <213> Aspergillus nidulans

<400> 21923

```

ccacaaaacc accacaaaca cacacaaaca aaacaagaaa cagcaagaac caaaaagaaa   60
  
```


caaacaaaa caatagaagg aggagcgggc gactcgacac ccaaaagaga acaagaagac 120
 caaggcaggg agcggccccc aaaacaaggg gggagaccac ccaaacttgg ataccacgc 180
 acagaccaac aaaaccgggg gggacacaag aaaaaccgac ggcggaacac cagccagaaa 240
 acgacaagcg cacagaaaca gcgcaacaaa caagaaggca ggcacaagca gaaaaacacc 300
 cgcgacacac aaaaaaacac gcgcaacaac agcaaaaaga caaggaagaa caacggacca 360
 aaccccaaac ccaaagaaca accagaaaaa aacggagcga aaaacagccg acaagagggg 420
 gcaacaaaaa aaaaccccac aaaacgacaa agaaaagcca agacaggcac caaaaaaaca 480
 aaagcgagaa aaacacaaca aaacaacaaa aagccaagaa accaaaggaa gaacacagga 540
 accacaaggc cagcagcaag cccaccaaac aaaaaaaccc cgacacaaaa aagaaggacc 600
 aaaggaaaaa caaaagcccc caacaaccca gcaggagcaa agcgcgcaaa cccaagacag 660
 ggaaaaacca ccgcaagacg gcgagccaaa ccacaacaac aaacaaccag gaaaacaagg 720
 aagcccaaaa agggagacgc cccac 746

<210> 21924
 <211> 801
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21924

cacagagacc tcgatcatgg ttctcaggcc ggataatggt gacttcgctg cagagtccg 60
 caggactcac ctccgcgagt tctcgttctg ctttcoggat aagaagccta tatatgtcga 120
 tgatgtccga gtccgcggta tcggtgcgag cgaaaggaag gactgggagg gagatcagct 180
 gggacagcag ttgcgtgaga cgaccttcag gcctcctgca aaggggtacc ttggaaggct 240
 cttgacgaat caggtatact tccccaaact gggatatcaa gatacgcccg tctatttggg 300
 gcagaatctt ccagcgggtc tctcaataga tggaccggcc atcatcgctg atcagacgca 360
 gacccttggt gtggcaccaa acacggtggc taagggtgtg cgctcgcata tcgttatcga 420
 agtcttgtct acggcctctg ctgtgacaga acagccaaca acagtggacc atattcaact 480
 ctctgtatctt gggcaccgat ttatgagcat tgcagagcag atgggacggg cgttgacagaa 540
 gacagcgggtt tcattaaata tcaaggagcg gcttgatttc tcgtgtgcac tgttcggacc 600
 agataggtag aatcctctcc agtatcacat ccccttttcc ttctctctaa tagatgaaca 660

ggcagctgat taagcaggtg acgtcgttgc caatcgtecg catgtcccag tgcacctggg 720
ctcgatgagc tatgccgtca aacatcagca cgagctccac aaaggcaagc tcgtcccagg 780
agacgtcttg gtgacaaaact c 801

<210> 21925
<211> 573
<212> DNA
<213> Aspergillus nidulans

<400> 21925

tttagtcccg aacaggacac aacaccgcca ggcggggggcc ccagaaaaaa cccggggggg 60
aacacaaacc ccaatcacia gtaaaggaaa caaggagaac cgccgcgaac aacaaaaaga 120
agaccaccgc agaaaccgcc atggcggaac cacaccaaaa gacgaagaga ccgcacaaca 180
caaggcgccc gagcgccggg ggtgaaaaaa cacagggaag agcgaaacag aaagaccag 240
gccagagaga ggaccacaa acccgaaaca ccacggaagg ccctggtcag aaccagaacc 300
cccgaaccac taacccccac aggcaaccct cgcagcaacc cgagaaccac acccggtagg 360
aaaagcacga cgaaccccg gacgaggacc agcactaaca gaaggtcaca caactcagcc 420
aacccaagga agcctggcca acaacactcc aagagccaac cttaagaaca caaaaacagg 480
ggcaaaccgg ggaacagga aacagcaaag ccacccccca aaaccccggc aaccctctag 540
aaaggcccta aagccaaacc ccagcgcggc caa 573

<210> 21926
<211> 662
<212> DNA
<213> Aspergillus nidulans

<400> 21926

catacagatc catccttttc ttttcgatca ccagaaaacc ggggtccaat ggatgtggga 60
gttgaccag cagctagttg gaggtatcat cggtgacgaa atgggtctcg ggaaaacaat 120
ccaggccatt gcatttctgg ctggcctaca ttatagcaag aggttgacga agccgatcat 180
cgtcgtctgc ccagctactg taatgaaaca atgggtcaac gagtttcacc gctggtggcc 240
tccattccgt gtttctattc tgcatacttc tggcagcgga atggtgaaca taaagagtga 300
aagcagccgc gaggacgcac ttatgtatgg aacctactgg tctggtggct ctagcagcgg 360

cttgaaagcg gcgagaaaag ttgtcaagcg agtagttgaa gaaggacatg tgctagtcac 420
cacttattcg ggcttgacaga gctacgcttc acttttgata cctggtgaat ggggaggtac 480
tatactcgac gagggccaca agattcgcaa toccaacact tccatcacca tgcattgcaa 540
agagcttaga acaccacatc ggattattct ttcgggaacg ccaatgcaga acaacctgac 600
cgagctatgg tcgctattcg attttgtctt cccaatgcgt cttggcacgt tagtgaattt 660
tc 662

<210> 21927
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 21927
caacgcgacg taccttggcc tgctacctcc ccagactaac aatggttgcca gcaactccta 60
tgctaccgt gggtagcatg aaacagcctg gatcatcaat cgctttgccc atgtctcccg 120
caaacaccaa atgcccgatg tttgtattgc ccagctcagc cgcatataca cgcttccaaa 180
catcgaaatc caagaggcgt tcttgaagtt gcgtgaacaa gccaaatgcc actaccagaa 240
tccaaggaa ctcaatagtg gtctggatgt gatcaacaac acgaacctca actacttcgg 300
tgcgacgcaa aaggccgaat ttacacgct caagggcatg ttcctcgcaa agttgaacca 360
tgtcaacgag gccaatgaag catttgggtg tgctctttat tacgatttga ggttggctaa 420
agcgtggtct gaatggggtc agtacagcga ccagagattc aagaacgac ccagcgatta 480
tgagctcgcc agcaacgctg tcagctgtta cctggaggct gctggccttt acaagaattc 540
taagtccaga aagctactca gtcggattct ttggttgctt agcttggata atgatgaggg 600
agcagtcgca actgccttcg agaacttcaa aggcgacaca cctggttgggt attggatcac 660
ctttatccct cagctactta caagcctatc ccaccgtgag gcgcgcctgt gcaaagctgt 720
tttggtaag actgcgaagc tgtacctca ggctctgttt ttcttgcgtc gtaccaacag 780
tgaagatatg cttaatatca agaaacagca tgaccagaag caagagaagc tagcagagc 840
ccgggggcgt 850

<210> 21928
<211> 850
<212> DNA

<213> Aspergillus nidulans

<400> 21928

tgaagcacc cctagccgc cctattcgtg ttctttgcct ggacgtcggc ctgaagttca 60
accagctgcg ttgcttggtc gctcgcggcg tcgaggttct cgtcgttccc tgggactatg 120
atttccccac acttgctggc aaggactacg atgggtctttt cgtttcgaac ggtcccggcg 180
accctgccac catgactaca acagtcaaca acttggcgaa gactatgcag gaggcgagga 240
ctcctatctt tgggtattgt cttggacacc aattgattgc tcgctctgtt ggcgctcaga 300
cgttgaagat gaagttcggg aaccgtgggc acaacatccc ttgcacgagc ttggtgactg 360
gaaagtgtca cattacctct cagaaccacg gttatgccgt cgattcttcc actcttccaa 420
gtgactggca agagctcttc gtcaacgcga acgatggtag caatgagggt atcaggcacg 480
tcagccgacc ttacttcagt gtccaattcc accctgaaag cacaccggg cccagggata 540
ctgagtacct ctttgacgtt ttatcaacg ctatcaaaga caccatcgcc tcgccagagg 600
cccttcagaa gctgtcaac ttcccaggcg gcgctgtggc cgaaaatata aaggcctctc 660
cccgggtctc agtcaagaag gttcttattc tgggaagtgg tggcttgagc attggtcaag 720
ccggtgaatt cgattactct ggaagtcagg ccatcaaggc cctgaaggag gaaggatatca 780
acacaattct gatcaaccct aacatcgcta ccatccagac ctccgagggt ttgcggataa 840
ggtgtattgc 850

<210> 21929

<211> 850

<212> DNA

<213> Aspergillus nidulans

<400> 21929

tttggcgatg agccgaacga tgcagacttc gtcattggacg gcctaaccct ctcagaccat 60
accccgatgc ccagtcttct cgaatacgca aagattatcc agcccgtctc ggtgaatctg 120
acggatgact caagcagcat ggtcataaca aaccactatg ccttcgtcga tctcagcggg 180
ctcgatgttt cttggcatat tgtccaggat ggcgaaacca cagaggccca agagctagat 240
ctgcctcctg ttctgcccgg agaaagccgc actgtggact tgccactcga tccgtcaagc 300
ctttcgaaaag agacatggct caccatcgag ttcaagctca aagaagacaa agcttgggca 360

gttagggggc atgtcgtcgc ctgggaccag ctatatatttc cgggctcttc tgctttctact 420
 tcctcaagca agcgtccac tccgatctct cgccagactt cgggaggcct ggaagtcaaa 480
 caaaaccaa caagcctccg aatcataacc ggcacatcaa tctttggctt caacctgata 540
 caaggaaacg tcaattggga agccaacggc gcaagccttt tccagcgcgg gcccgaaactc 600
 tccttcatcc gcgccatgac ccaaaacgat gaaggccaat ccggcaacga ggccgagtgg 660
 gacgacgcat gggtcggcac gatgcacacc caagtccgcg atgtcacctg gcggagctcc 720
 gacactgaag caatagtga cttcaaagtc cgcgtcgcgc cgcaagtcct cgaatggggc 780
 gtcgaagcag acctcatcta cacgatatcc acagaggact ctgtaccaac actccacatt 840
 cacgccaccg 850

<210> 21930
 <211> 818
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21930

cgacaaaacc ggcttgcac gaggaaccag aagatggcac ggtcactcgc atgggacgct 60
 tctatcaggc tgtcctcaac ttctctaccg tcaactcgta cttgatctat atcgctcccc 120
 ttgctgctct tctcgccatc ccgatcattg ttggcgcaac agccgctgaa gacgctaaga 180
 tcggtggtgt ctcaattcct tggttctttt gttgggtcga ggttgtctgg gtatcgcttt 240
 ggggtgtgca gctggtcgcc aaagtcatcc cgtttgtctt ccagttcggt tgcggaatcg 300
 tcagtgtctg aacgcggaag tatgccctta ttctgcgga tctggagatt ccattacga 360
 tgggtgtgtg gatgatcgtg tcgctcgta ctttccttcc aatcatggc tacaatccga 420
 gaaacaagcg agaaggcgat actgagacga agagctggga gaagtctgtg aaaaacgtcc 480
 tctttgcttt cctagtttgc gctttgatct tccttgggtga gaagaccctc gtccagctta 540
 tttctatcag ctatcacgc aaacagttcg atgcaaggat caaagagtcc aagcgcaata 600
 tcaatcttat cggatttctt tatgatgctt ctgcgacat gttccctatg tactgcaaag 660
 agtttcgaga ggacgatgcg attatctcgg actccattct tctgggagga cccgaaactg 720
 gcaggcctgg ccattcacgg tcaaactaaa ctgtccccc gcggttcatc cgggggggttc 780
 aacagaacgt cggccgcatt ggaggcaaaa tcaccggc 818

<210> 21931
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21931

```
cgaactggta ctctgccgtg ccaaccatcc accaaattct gctcaagtcg ccgctgccca 60
accctattcc tcaaatecgc ttcattccgt cctgtctctc gccgctgtca ccaaaaacct 120
tccaggatct agaaaaaacc ctcaatgccc cagtacttga ggcctacgcc atgacggaag 180
cggctcatca aatgacgagc aacccctg cccctgcaaa gcgacagccc ggtagcgtgg 240
gtattgggtc aggcgtcgag attagattc ttgatcaatc cggaaacgaa gttccacagg 300
gacatgaggc agaaatctgc gttcgaggag aggaatgcac gaaaggatac cttacaatcc 360
agctgccaat aagtcattct tcaccaaaga cggctttttc cgcacagggtg accaaggcaa 420
gaaggaccct gacggctatg taattatcac cggccgcac aaggaactta tcaacaaggg 480
cggagaaaaa atcagcccaa tcgaactgga caacacgctt ttgcaaaacc ccaacgtcgg 540
cgaagcggtc tgcttcgcca ttctgaccc cggtcactac ggcgaagaca taggggcccgc 600
ggttgttttg aagagcggtc agaattgctac tgaagatgaa ttgaagtcgt gggttcaaga 660
gaaactggct aaattcaaga ccccaaaaca ggtaagccag ctatctctct gccctgacc 720
gggctgttgc atctttactc acatcaatgc cttgaagatc tggatagtac agcaaattcc 780
caagacggca accggcaaga ttcaacgacg caaggttgca gaggcgatgc tgaagcccaa 840
ggctaagctg 850
```

<210> 21932
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21932

```
cggctccgag actgttatcg gaggtcttta tgcagatata ttcgaggcta aagcaagggg 60
gagagcaatg gcgttttata tggccgtagg tccctcaacc ctaatagctc gctcgtgct 120
gactgtgact aggtagcgag ctttgggcct atcatagggc ccattatata tggtttcgca 180
tccgagcatg gctggagatg gagtttctgg gcggatttga tatgcgctgg cgtcacccctg 240
```

g ttg gattga t ctt ttt gcc aggtacgtt t ctt gaccacg c cctgaaatt ataactgact 300
 ggacactaga aacattcggc c cggccatct tgaagcgtca c gctgcagaa ttgagcaaaa 360
 tatctggcag ggagatgtcg g cccccgtat cgaagtctga taaagacctc aaaaccatct 420
 tcctccggcc gatgtatatg ttgatctttg agccaatcat attgttcacg tcgctatacg 480
 tcggcatagt ctatgctctt gtatttttct acttccaggc ctacccgac atcttccccg 540
 aggtctacgg ctttaccatc caaacagcct ctctcacgtt ccttccacgt atgctttacc 600
 aatactccta agctcaccca tactaacgtg gactcttcag ttggaatcgg cgcggcctcg 660
 actgccctcg ttgccataac ctgggactcc aagtattcgt ccgccctact ccgcagtaaa 720
 cgcaaaatct ggttcttccc cctatccttc agtcccgaaa cgcaccgtct accaatatcc 780
 tgtgttggga gcatcgcaac aacaaactcg cacttctggc ttgcctggac cgccaatcca 840
 acaatccact 850

<210> 21933
 <211> 622
 <212> DNA
 <213> Aspergillus nidulans

<400> 21933

gccccagctg agctcatatc gatgtgccag aacgatctct agccacatca tgttccggcg 60
 acggtaccgc ggtggtcaac gcctactttt ccgcgtgttg catgcatgtt ccctctactt 120
 tccggatacg gggtagcttc aaggtatggc ggcgctcgcg gcgacactcc ttgcttacta 180
 cgacgaagag catacgtttg ttatgcttgt ccgactgtgg caactacggg ggctcgagaa 240
 actctatcgt tccgggtttg cgggcctcat ggaggctctg ggcgacttcg aacgagaatg 300
 gctggatggt ggagaagttg ccgcgaaatt ggtaagttga ccataagac agaaaagtgc 360
 accttgagct aaaggatttg cctcgcaata gaatgaagtt ggaataccgc ctacagcata 420
 cggtagccgg tggatattga cactgttcaa ttactcgata cttttcccag ccagcttcg 480
 agtttgggat gtctttatgc tccttggcga tgccgaggac gatcccaagt cgggcaaacc 540
 ggaaacaagc ggtttcgggc aggggcctcg acgttcttca cgcgaactcg ggagctctta 600
 tcgacgggat gcgagaaatc at 622

<210> 21934

<211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21934

```
ccatctccgt tggatatggt ggcaagacca ctggcttcag caagtcatgg aggctcgtaa 60
tgctcgagtta agacttcgcg tcataactag gctatggggg cttgccatta cctttgtcag 120
tacctttgct agcggcctct ttcccgtcgt ggctctttat gcctatacgc tgttggccgg 180
ccatccgcta agcattgaca ttatatattcc cgcactacaa ctcttcacta tgcttgaggc 240
tcggcttagc gaaataccga gtttgatcac tgtgttaatc aatgcgtcta ttgctatgga 300
gcggatagaa gactttatga ctgagcctga taaggaaagc agggctgtca catcgttcgg 360
agattccgct ccactacggc tgcagtcttg ctcccttgct tggcctggaa aaacctcacc 420
tgtcctatct gatatcgacc tgagcttctc tccgggtctc actgttatct acggtaaagg 480
gggatctggg aagacagctc tcctccaagc gctcctgggc gagctagaca gaacaaaagg 540
aacttcctgt atatccagtg aaatgatggg atattgtgcg cagacacctt ggctgcagag 600
tatgagtatc cgggataaca ttttgttctc ctctccgtac gatgagcagc gatacaagcg 660
agtattagac gcttgtgcac tacttccgga tctgtccaat ttcaagcacg gcgacctgtc 720
atgtgttggg gagaatggga tagggctttc tggaggacag aaggcacgcg ttgccctcgc 780
tagggcggtt tacagcacgg ctaggatatt gctgcttgac gatcctttgt cagcactgga 840
ccataatacg 850
```

<210> 21935
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21935

```
atgaaaatca ttttttctct tgcattctca aggctttaga cagccactga tacgatgcag 60
gcctccccc cccaccctt ttcctctcc acactgcgag attcgactgt ctctctccct 120
catcgtcaat accagaccct gacaagggtg gaacacctga tgacctgta tcctcatgc 180
taggtcgtaa ctogggctct ggcgaaactc atttgacgca gttcctgcaa tatggtaacc 240
acttctctca tctcattgg tgataatgtg ttgaaatatt gactctaata actaggctcc 300
```


ggcaccggaa acgaacacct catatccctc tgtaaagaaa taacaaacaa ggtccattca 360
 cccocttggtg aatacgagtg tctcctgcac cccggcaaca ccaacgcctg ggccaaggtt 420
 gtccggcatgc tctgcgaaga tgacgattat attctcgtcg aagaatacac ataccgtct 480
 gcgcaggtgc tctggatccc ttgggggta agggctgttc ctgtctcggc tgacgcacag 540
 ggaatctcgg ccatcgtgct tcgggatgtg cttgcgaact gggatgaaaa gagcagaggg 600
 gcgaaaaggc cgacggtgta agtgccgact gcgaccagtc tagttgagct gggtaggtag 660
 actaactgtg caggctgtac cttgttgccg tcgggtccaa tcctacaggt ctgtcaatat 720
 cagggagaga aggaaggaga tctacagagt ttgcgtcgag ttcggtatgt cctacatccc 780
 gaataagcgc ctatctaaca gaatatacta ctccagatat cattatcgta gaggacgacc 840
 cctactactt 850

<210> 21936
 <211> 538
 <212> DNA
 <213> Aspergillus nidulans

<400> 21936

atgcgaggtg gaggactaat aactaacatg gtctcatcct gcagctgtct tacgggccgg 60
 gctccgccga aagagatctc ttaaagtcag ctttggtgta gatggaaagt gtagtcaccg 120
 atattcccag tatcatcaac ggcgagcgca tctacaccgg ccgcaagggc aaacaggcaa 180
 atccgtggaa caaccatggc cagccgttgg ccgaatacta cgaggtggat agcaaacactg 240
 tcacagagaa ggcgatccca ggcgctctag aggcaaggaa ggtctgggcc aacatgcctt 300
 tccgggaccg ggctgcaatc tacaaacgcg cagccctgct agtcgagact cccaagtacc 360
 ggtggaagct catggcagcg gcaatgatcg gacagggcaa gacttggtga caggcagagg 420
 gcgactgtat caccgaagtc atcgatacgc tgaacttcca cgtctacttc tgcgccagc 480
 tctaccagca gcaacctcct aaacagtttg cttcatcgtc cagcaagctg gattacag 538

<210> 21937
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21937

acaaaattac cttccttcat ggggtattgtt cccccacaac cactcgcac tggcctcctg 60
 agctctgacc gattaagggtg attatgtcga cccgtggcta ctacttctgt cgagactgta 120
 aactccatg tttgcttgaa aatccgctat cccagcgta tcaccatcct ccgcggaaac 180
 cacgagtcgc gccagatcac acagggtgtac ggtttctacg acgaatgcct gcgaaaatac 240
 ggcaatgcc aatgtctggaa atacttcacc gacctcttcg actaccttcc ccttaccgcc 300
 ctcatcgaga accagatctt ctgtctgcac ggtgggtctga gtccgtccat tgacactctg 360
 gataacatcc gatctctaga ccgaatccag gaggttcccc acgaagggtcc catgtgcat 420
 ctgctctgga gtgaccaga tgatcgttgc ggctggggaa tatctccccg tgggtgctgga 480
 tacacatttg gacaagatat ctgagaggct ttcaatcata ataacggcct gacacttggt 540
 gcacgagcac accagttggt tatggaggga tataactggt cacaggaccg gaatgtcgtt 600
 acgatcttct ttggtacgtt ccctggggtt gtgtctgatg atgactaacg gtgtgagccc 660
 ctaattactg ctaccgtgc ggggaaccaa gccgccatta tgggaattcg atgaacaccc 720
 tgagtatacg ttgtatgtgt ccccatcga gccttgacat gacagcactg actctgccag 780
 cttacaattc gaccttgc ccgcgcagg agagcctatg gtctcgagac gtacccaga 840
 ctacttcctg 850

<210> 21938
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21938

cggagctgac ggtttcgaag gatgcactaa gcgctggtgt aatcccgctg agttttcggt 60
 catactataa tgggtggtggg gtgtttgtcg atgcgccgtt gtatgcggat agaggcggtg 120
 aggttcttgc gagctacgc gagcgtctca acgtgaatcc gggttctggc gctgcgagag 180
 tgggtgtattg tcctgttggc gatggcgcg caattttgac tgggccacat cctgagttag 240
 tttttgtcac catatcgaga cgagtgtagc tgatgtagca gatttgcggc cgttaacctc 300
 aatccgaaag ctggagggtcc cgaatacgt gaagtagtcg aggccttggc agcggacgac 360
 aaggcccgtc ccgacttcc gaaggcttgc ctgtccaagc taggggttgc ggtggcgag 420
 gaaacaacgc atgtaccctc tctatcgtct ctgcatttct cgtctttgtc atctggtgat 480

gcagaacgag tgctaaaatc gcttgaagaa ctagctggcg acgagggcct tttcaaagac 540
gagtacgaca cctttagaat cgagaagtgg ggtacgtata atatgggggc cctcacagag 600
tcacttcctg aatccaagga agcctcatcg gaacttcatg agagtgaagg aattgtggat 660
taccagtcaa tcgtcaaacg catcattgtt catgaagatg tcccgtcgtc aaaaacaacg 720
ccatacttca accatcatgc cttttacagc catctgcggg actatcaggc gcagtcgaag 780
gaagaaactt cgcttttcgg ctcaaatttc ttatatggcg aagtcgtacc aggacatcac 840
tatattaaag 850

<210> 21939
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21939

cattcttggg tttcactact gggaggatcc aggggctacc aaaacgtggc tggccgaggg 60
agcaacaggg aggttcatcg ccttcgtcgg aaccctagtc ctctgtgcat ttcccttcac 120
cttcagccct gaactttctca tttccacgag cggtagatg caaaaccctc gaaaagacct 180
caagaaagca gccaatcgct tcctacttag actggtcgtc ttctacgtag gcgcggcatt 240
agcgatgagt gtcatcagtc cgtcgaacga tgaagccctt tctaacggag gcaacaacgc 300
aaagtcctcg cccgtttgtc gttgggatca ggcatgccgg tatccgtggg ttgagcagcg 360
tgggtcaatgc gtcaattctt acaatggcgt ggtctgctgg caatgcgtac ctctatatga 420
gctctcgcg cttatatgca ctagcgattt ccggtcaagc acctaaagtc tttctgcgct 480
gtactaaagg cggagttcct tatgcagcag tgctcgcatg tggcttggtt ggctttctag 540
cttacctgaa ctgcggtaat agcagttcta ctgtattcac ttggtttgtc accatcacta 600
acacctccgg attcgtctcc tggatttggt gctgtatcgt gtacctgcgt tttcgagcgg 660
cctgcaagcg tcaaggtgtg catgaactgc cgtatcgag ttggctgcag ccatacggcg 720
catggtttgg cctcgtcttc tttattgtcc tagcactgat caacggcttc aacgtcttct 780
ttcctggcca gcttacagcg tcaagcttct taactgctta tattggctta ccgcatttgc 840
tatcatttat 850

<210> 21940

<211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21940

```

tgagaccgcg catgagcgat ttcaagcggc acgctgtcaa cagcccagcc ctgacatgg 60
tactgattta tttccgtcac cagatcggag aagcatatca agtcctcagc gatgccgaac 120
ttcgcaagcg ttatgatacc cacggcaagg aaggggctgt cccggaccaa ggtttcggcg 180
cgtggtcaga ggactattct cctttacgac tcgcgctaataaatcgacaga ggacccgaac 240
gagttctttg gtatgatctt tgggtggagac gcgttttacg atctgatcgg cgaaatatct 300
ttgctgcaag accttacgac tcgcatggaa atcacaacgg aagaggcgga agaagatcta 360
gctgcgtcga cggaagagaa gctgaacatc aatgagcagg aaggcacgct tgtaggtgaa 420
accaccagtt caggtgcggg ctcaagagcc agcgcagcct cgccgtcccc cgccgcctcc 480
ggtacaagca ctctcgggcc tcgcttgga cagcaggcta tcatggataa gtccgatgag 540
gaaatccgaa tgcaggccgc cgggtgaaca gaggaggagc gcgagctcag gaaaaaggag 600
aagaagaagg gcggtcttac acgtgaacag gccgaaagac tccaagcctt cgaactcgag 660
agacaaaagg cgcgagaaga gcgagtcgac atgctggcga cgaaacttat cgacaagatc 720
agcgtgtgga cggaactga caaggggtgcc gatgtgactc gggcctttga ggagaagatt 780
aagcttgagg tggagacctg aagatcagtc cttcgggtatt gagatctcca tgctattggc 840
gctacgtatg 850
  
```

<210> 21941
 <211> 370
 <212> DNA
 <213> Aspergillus nidulans

<400> 21941

```

gcgacggtag tatacagaga ctctgggtgca tgtctactcg gctgcgaagg ccaatccttc 60
tctttcactg gtatgggcat ggcaaccgga agttggttta ccaaagccgg atctatgtct 120
gttcctcagc atatctcccg aagaggctgc aaagcgtggg ggattcggcg gagagcgcta 180
cgagaacgaa gccatgcaaa ctcggtgtacg cgagctgttc aataccatct tcgaccttca 240
gcgcgctacc gatattcgaa taattgatgc tgggaagtcc ttggcggaag tgctgcagga 300
  
```

tatttttaaac gttgtaaccg agcgcatcgc aggtgtcgac acggccagtc cgctgggaaa 360
gctaacatca 370

<210> 21942
<211> 416
<212> DNA
<213> Aspergillus nidulans

<400> 21942

agtcaaggca cacctccaat gctccctttc gacgatattc ccaaaggtgg cacgtcgttc 60
tatccatccc tctgccctaa accaagaaat tcaccttcca gctctccgac ataatacgcg 120
cggaatcctc tccatggcat ctcgaccgt caagaaccag acaggacccc ggttctcagg 180
gtgctacagg ccctacgata aatggaagcc agttttttat cacatttgct gcagcacgcg 240
atttgatggg gtcgagcact gtgtctgtga aagtgttgaa tatgacggca gaagatgagg 300
gcgataatgt tttgagtaag ctggagaagg ccaacgttac aaaacacaag aagggaaaag 360
ttgttgacct ccttgagaat gaggaaccc gagttgaaac tcttgcatg aacggg 416

<210> 21943
<211> 817
<212> DNA
<213> Aspergillus nidulans

<400> 21943

aagatgcaga acctcaagtt cctcatcgcc gccgtcagct gcctcgggag ggccttgag 60
ctccgactcc taccagcaac tttatcaaca gcaacttcaa caagcgtgct tccgttgaag 120
atgtacgttt caaacctct gatagtgtgt ataggctggt ctgaccatgt ttagtccgcc 180
tttggtatg ccagcctgaa cggcggtact accgacggtg ccggcggtac cacaaccacc 240
gtctcctctt acgccgagtt cactgccgcc gtccaaggcg acgaccccaa aatcgctc 300
gtcagcggtc ccatcgagga gaccgccgaa caggctgatg tcggctctaa cacctctatc 360
cttggtgccg actcttcgc cgtcctgacc ggtttcggtc tccgcctcaa ggaggctgag 420
aacgttatta tccgcaacct cggatcgcg aaggtcttgg ccgacaacgg cgacgccatc 480
gggtctggta tgtatcatgc gataatcacg taattcagtc cctgggctgg gatagcctca 540
cccagactg atctaggaca agcatcacag actaatattg ctcagaatac tccaacaaca 600

tctggatcga ccacgtcgac gtctccagt accgtgacca cgacaaggac tactacgacg 660
gtctccttga cttcaagcgc ggctctgact acatcacctg ctctaactcc tttattcacg 720
accactggaa ggcttcgctc gtcggccaca gcaacagcaa cgaagacgag gactctggaa 780
agctccacgt tacctacgct aacaactact gggtttg 817

<210> 21944
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21944

caaaggtgtc gctgcgtcct gggaagtgtc cgagcagatg atgaaagatg ccaatctcga 60
gaaactcgag cacgtcacccg tgaccatgaa cgtgaatcac acacgccgtg gtgatttgag 120
cgtggaactg cgcagccctg aaggcatagt cagccacctc agcacaccaa gaaagaatga 180
taacgcagag gtcggatata ttgactggac gttcatgaca gttgctcact ggtatgtacc 240
ttctcacacg cagcacctaa ttctcattaa ctcataacca ggggtgaatc tggcggtggc 300
acatggaccg ttattgttaa agactctact gtcaatgaca acgtcggaga attcatcgat 360
tggcgactca atctctgggg tatggccgtt gatggtgcca agcaaaagtt gcaccctcta 420
ccggacgaac atgacgatga tcatagcatt gaggatgcta ttgttggttac cactagcggt 480
cagccagcac ccaccgccac agaagctcca gttaaaccct cacataccgt tgatcgtoct 540
gtgaagggtc agcttacttg gacaggctct gcttccgaaa ctgaaacccc aacgcccacc 600
ccgaccccg cctcggacag ctctcttccc tctttcttcc caacctttgg tgccctccaag 660
cacacgcaag tctggatcta cgctgcgatt agttcgatca tcgtcttctg cattggggtt 720
ggaatttact tccacgtcca gcgacgtaga cgtcttcgca acgaccgtga cgattacgac 780
ttcgaaatga tcgaggacga ggatgaggcg aaggccatga atgggtcgtc ccgtcgcctg 840
gggtggtgaac 850

<210> 21945
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21945

cgctcggaag cttatctcct ctgccatgga gcgcgtcggc aaggaggggtg ttatcactgt 60
 caaggagggc aagacccttg aggacgagct tgaggttact gagggatatgc gtttcgaccg 120
 tggttacacc tccccctact tcatcacga cgccaaggct cagaagggtg agttcgagaa 180
 gcctctgatt ctcttttccg agaagaagat ctctgctgtt caggacatca tccctgcctt 240
 tgaggcttcc accactctcc gccgccctct ggttatcatc gctgaggaca ttgagggtga 300
 ggctcttgcc gtctgcatcc tgaacaagct ccgtggccag ctccagggtg ctgcagtcaa 360
 ggcccccggc ttcggtgaca accgcaagag catcctcggt gacctcggtg tcctcaccaa 420
 cggtaccgtc ttcactgacg agcttgacat caagcttgag aagctcacc cgcacatgct 480
 cggtccact ggttccatca ccatcaccaa ggaggacact atcatcctga acggtgaggg 540
 cagcaaggac gccatcgctc agcgttgcca gcagatccgt ggcgtcatgg ccgaccctac 600
 cacctccgag tacgagaagg agaagctcca agagcgtctc gccaaagctct ctggcggtgt 660
 tgctgtcatt aaggctcggtg gtgcttccga agtcgaggtc ggtgagaaga aggaccgtgt 720
 cgttgatgct ctcaacgcca cccgtgcggc cgtcgaggag ggtatccttc ccggcggtgg 780
 tcccgctctc cgcaaggcaa caccgcatg gccctcccc aagcgtcctg ggactattgt 840
 gggaccggcc 850

<210> 21946
 <211> 550
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21946

aaagcaaaa ccccatgata cgagtgactg tgcacaaaca cttgaagcat ttcttttaat 60
 ggagcttgaa ggacatggtg ggcacgggag ggataactgg agagcaggct ccatggatag 120
 gtgaaactat gtggtctgtt atgagcgctc actgggacac cgaaccaact cataaacgga 180
 gtcggaccta ttacaaagct cgtctctctg accgaaacgg gcattggact aaatacacac 240
 ttctgggcca cattctttgc aagaagtaca tgaccaatgt gtaagtgggt ctgttacctc 300
 tgtcagtacc tgacatgcat gacgttgagt atttgagctg agctgggttac attgaacgaa 360
 gagaaatagg gaagaactga cactatcgct gaggtgtttg cagagacaca tacgtacggc 420
 ggatggtgcg tatgttgacc tgacggcggc gatgagtgcg tcaacttata agcgtaatgt 480

aacagatagg acgctacagc ttgacgcagc agcatctgct gtgtctgact gcactcacga 540
ccatgggagc 550

<210> 21947
<211> 434
<212> DNA
<213> Aspergillus nidulans

<400> 21947

acccgaaact tccaaggcac agagatcgcg tccgggttct tcctccctga gatcctacca 60
tg gatctgat gtttgaagcc aaggataagg agcaggctgt tttggagctg atgaggacgt 120
ataagctacc aggacatgat cttttcaata atattctgcc ttatgtgcgc accgacgaga 180
ataagccgtt caaaccgccg cggaagtcga agaagaaaaa tggcgacttt gtcgaccttg 240
aagcacaggt gccgccccca aagactgttc ccgaagagga agtcggcatg ggtggccccg 300
agcggagggt ctactggcct ccaggaatgg aagaatggtt gaggccaaag aagattgtgc 360
gaaccaaagc tctaaagacc cccaagtcta acaagaaggc cccaccacga gagccagacg 420
gggagcttga tgct 434

<210> 21948
<211> 828
<212> DNA
<213> Aspergillus nidulans

<400> 21948

caaaggcatg gttcgccaaa tccttttttg ttgccacca tctctgcgtg atatggtcta 60
tggcgtcctt tctacagact ttttaagagta tctaaaaccg ggctcctagc acttaaaaag 120
ccgttctctt tccagagctg gtgcagtatg cagattgaac actgcaaggc caacaattac 180
cagagccatc tccccttcag cgtcgtacct ccaaactcca cgtactgggg catgaatgat 240
ctgccgaact actacggtga cgtcgaatc aagaagttct cctttggaca aaaggagacg 300
gctctggcgc tggacaaatg ccaccagcgt ctccggaccg aacccttaga cctattcctc 360
gcagttatca tgcattcatt ccgacggacg ttcaccgata ggtcattacc tacgttctac 420
aacgagggac acggcaggca gacatgggat tctagtatag acttgtcagg aactgtcggg 480
tggtttactt ccactgccc tctccaagta caacctgagt ccagtaagta ggcaccacgc 540

ctcaaataatg aacaataactg acgaatgaga ttgtacagac gatataacttg agactctgcg 600
gatggtgaaa gacgccccgac gaaagactat caaccatggc acctcttact ttactcaaac 660
gatcctctcg cctgagaacc agccggcgtc tccatcaatg ggtcttccccg tggaggttgt 720
cttcaatttc ctcggaagc tgcagcagct tgaaagagaa gattctccgt tccagcacta 780
cggcaagttg tatgacgaaa atgacttcaa gctggccgga gacatggg 828

<210> 21949
<211> 850
<212> DNA
<213> Aspergillus nidulans
<400> 21949

tgagaggacc gtgcggtcta aggaattaca cattgcggat ccagaggacg tgactatcat 60
tttcacggag gctccaaatg ctttgccggc actacagaaa aatgcagatg agattataat 120
ggaagagtgg gggttcgggg gctatttgag atgtgttggt aagtctaaat atcttattct 180
ttattattga gtgggcatgg ctaaaccgtt cgcgctgaat acaggcccggt cgctgaatgc 240
ctggaacgag attcaatcct tatttgaaga ttcggtacta tcacaacctc gagccgttgc 300
ctccccagcc gagtgtctac tgggtggttga ctctgggtat tctcacacgg ttatcactcc 360
ggtttataga ggcagaccac ttcaacgtgg aattcggcga ctcgaccttg ggggcaagca 420
cttgaccaat tacctcaaag agctgggtatc tatgaggcag tataatatgg tggacgagac 480
ttatataatg aacgaagtca aagagtcgggt gtgtttcgtg agcaatgatt ttatccgcga 540
cttggagcgg acgtggaaag ggaaccgcaa acgtggacaa ccggatccca ctgatggtgt 600
tgtagttgat tacgtcctgc cagatccgaa tggaggcaaa cgaggtttta taggcctcat 660
gaccctttgt taggatccaa gaaaagaaaag cctgggtactg gccggcgcta ggcgcgagca 720
gctaaatgag gacgtcctag ttctgggcaa cgaacgtttc actgtcccag aaatcctctt 780
taccccaagt gatattggta aaaagacggc tggatataccg gatatcatcc tgcagagtct 840
ctcgggtgtgc 850

<210> 21950
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21950

cttcactaaa cccagcaagc ggatcaacga aagtcaagat gtagctgaat ttctatcgtc 60
aaaagcttac gtcgatctca tgaccttcct cctccagctc aaccgctctc tatttccgac 120
aaaactaccc gatgggcggg tcctaacttg ggagctgaac agcgaacgcg ttgaatactc 180
tgcgctgtg cgtcagtcca gcaactgctc tccaaactcg aagcgatcct cgacgaagcg 240
cccccgaca ctgggtccgcg cagggttcggc aatattagtt tccgaagatg gtacgagatg 300
gttgagagtc gtgctgcaag tctcttggag gagtgtctgt caaaggaaat tctacagatg 360
ccttcacatcg atcctgggtgc gccgacgggc aggttgagct gctggcatac tttttagggg 420
gttgggggag tccacaaagg ctggactatg gaacggggca tgaactgagc tttctcgctt 480
tcctggcggg tatttggaag ctgcatggtt ttcccagaga tagcccaggt gtggaggaga 540
ggcgatcgt cttgggtgtg atacagccgt gggtatcttt caaacattct tgttgggcta 600
tcgaaactga aagcagtctt ccacagatat ctggaacttg tccgaaccat tattaagcgt 660
tataccctgg aaccgcccgg ttcgcacggc gtctggggtc tagacgacca ctcatcctc 720
ccgtacatct tcggctctgc acaattggcg cccgcaatct cagaatcaga ccgcatcccg 780
gaagaaggct cgttatccga tgcacctgca ccaggtggtg tcaactaaagc aaatgtggtg 840
gacgagaaag 850

<210> 21951

<211> 589

<212> DNA

<213> *Aspergillus nidulans*

<223> unsure at all n locations

<400> 21951

agggcaaanc ccgccggagg caacaggaca gtcaactaca tgcaggacgt tttatTTTTT 60
cccgagccga accacgccgg ggggcagggg gactttattg aacgcgccga gaatgccacg 120
gacaacgacg acttttgcca tgtggaccga cagcaagagg attctctgga caccatactg 180
tatgccacct gcgcgcgacg catccatagt tcgggtcgggt cactacagac agcgactaca 240
cacactttac tgtagttac tgatgatgga cgttccactt acaagaacat ccacagggaa 300
accogttgcg gatgcgcata taatagaccc gatcaagaac agcaagattg cgcccaaaac 360
cactaatagc accgccatca tctgatacag tcgaccgaag acgaacagaa acgtgcatgg 420

caggtagacg acctcagacc cgtactaacc aatgagatgt aaacactcgc aacaatttaa 480
catggcaacc atcgccgagg atagaccac ctgattctga tacgatcagt gggactctac 540
caggacggaa cctgatcata caaggcaact accacgattg caggaacac 589

<210> 21952
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 21952

tgccattttc tttaccggct gtatatacta aacgtccaag atgtcgggcg gtttcgaggg 60
ctggaaagcc tacctctatg acccctccac ggcagcggcc gccattttca tcgttctcta 120
cggcatcgtg acaggaattc atagttacta cctcttcggg acgaggacgc ggtttttcat 180
accgatgggtg ctgaggagat actgtcagcg cctcccagt gttctgtcaa gcactctcta 240
actggagcag ttgagtttat aggatatatc ggccgagcga tatcatctgc ccagacacct 300
gactggacgc tggggcctta tataatgcag agcgtgctgc tgttggttgc acccgcgctt 360
ttcgccgcga gtatctacat gtacctgggt cgcacatcgc cgcttggtgc gggcgagaaa 420
ttctccttta ttgcgctcag ctggatgacc aagatcctag tattctatag tgtcacctaa 480
atcgtatgtg tatatacata 500

<210> 21953
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21953

gtctggtgaa ccacttcgtc actgaattta agagaaagca caagaaggat ctttccacaa 60
atcgcccgtg ctctccgccg tctccgcacc gcttgcgagc gtgccaagcg caccctgtcc 120
tctgctgccc agacttccat tgagatcgat tctcttttcg agggcatcga cttctacacc 180
tccatcaccg gtgcccgtt tgaagaactc tgccaggacc tcttccgtgg taccatggag 240
cctgtcgaac gtgtcctccg cgatgccaa atcgacaagt cttccgtcca tgagatcgtg 300
ctcgctgggtg gttccaccg tatccccaag atccagcgcc tcgtctccga ctacttcaac 360
aaggaggcca acaagtccat taaccctgat gaggctgttg cctacggtgc tgccgttcag 420

gctgccattt tgtctggtga cacttcctcc aagtcaccca acgagattct gcttctcgac 480
 gtcgcccctc tgtccgctcg tattgagacc gctggtggtg tcatgactcc ccttgtcaag 540
 cgaaacacca ccatccccac caagaagtcc gaaaccttct ccacttactc cgacaaccag 600
 cctggtgtcc tgatccaggt ctacgagggt gagcgtgccc gcaccaagga caacaacttg 660
 ctcggcaagt tcgagctcac cggatatccc cctgctcccc gtggtgttcc tcagatcgag 720
 gtcaccttcg atcttgacgc caacggtatc atgaacgtct ccgctgtcga gaagggtacc 780
 ggtaagacca acaagatcac cattaccaac gacaagggcc gtctctccaa ggaggacatt 840
 gagcgcattgc 850

<210> 21954
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21954

gcaatggctc cgagaggctg atgcactcta aggtcgtgat ggtgacggta tgctactgct 60
 cattctatag tagctcaagc actaaactaa cgttactaac ttggtcaggg aggcacctcg 120
 ggaattggag ccaactgtcgt ctacgaactc gcatcgcgcg gcgccaagt tatecttctt 180
 acgcaacacg ctcaatcgga tatatttctc attgactaca ttgaagatct gagaaaagcc 240
 acaggcaacc agcttattta tgcagagcag gtggatctct cttctctcca ttctatacgg 300
 acctttgcga cgaagtggat tgacaatgtt cctccccgcc gactggacat gctaatectt 360
 tgcgcgaaca cggcaaacc caccgaaaag ataacggtgg atggaataga tgaggaatgg 420
 cagggtcaatt accttgcaaa cttccatcta ctcagcatcc tcagcccagc gctccgagtc 480
 cagccacccc accgggatgt ccgctgcatc atgacaacgt gttcaagtta catcgggtcg 540
 ccgaaactcg acttttcgca gctcgacgtg aataccatcc cgatccacaa aaaaacggcg 600
 ggtacaaaac cgctacgcac tcaagcatca aggaaggcag agcccaaaca aaagcgccaa 660
 tcgcaaattc agaggaaaca catctatggc cttagcaagc tatccctcat gatttttcg 720
 acgtccttcc agaaacacct gaacgccttt aaacggcctg atggccaacc cccttactc 780
 gttgtgatcc tcgtcgaccc tgggtctcact cggaccccg gcacccgcg ctggctcact 840
 gggggctcgg 850

<210> 21955
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21955

```

gaccggcttc tcagggtctt gttggccagg agaaggctcg aaaggcagct gcagttatcc 60
tccagatggt caaagaaggc aaaattgctg gacgggctgt cctaattgca ggcccgccca 120
gcacaggtaa aacggctatt gcgatgggta tggcacagtc gcttgggccc gatgttccgt 180
tcaccatggt ggctgcttcc gaaattttct ccatggaaat gtcaaaaacg aaggccctga 240
cacaagcttt ccgaaaatcc atcgggtgtc gaatcaagga agagagcgag attattgagg 300
gtgaagtggg agagattcaa attgatcgga gcgttactgg ggtaagtcac ttgagggaaa 360
ggcgtaaga ctgtactgac tcgttcagg gcaacaaaca agggaagctc accataaaaa 420
ccaccgacat ggagacaatt tacgacatgg gaacgaagat gatcgattcg atgacaaaag 480
aaagggttat ggctggagac atcatctcga tcgataagtc gtctggcaag ataaccaagc 540
tggggcgctc ctatgccga tctcgcgatt acgatgctat gggcgccgac gtcaaattcg 600
tccaatgccc cgaggagag cttcaggctc ggaaggagat tgtacacaca gtgagcttgc 660
atgagattga tgtcatcaac tcgcgttcgc agggcttctt ggcgctcttc tctggtgaca 720
ctggggagat taggagtga gttagagatc agatcaatgt taaagttgca gagtggaagg 780
aggagggtaa ggcagagatt attcctggtg tcttattcat tgatgaggtg cacatgctcg 840
acattgaatg                                     850
  
```

<210> 21956
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21956

```

ctcggtttga aggtgctcca cgagaaacgg gtggctaaga ttcatactga tgacgacaac 60
aatgtgactg gtattctctt cgaggacggc caggagcttg attgttgctg tatctgtttt 120
gctgtatgct tccaagactt tcatcctgct tgtatggtgc tgacttaacc atagattggc 180
attcgaccgc gagacgagct gggaggaagc accggtattc aatgcgcaaa gcgtggcggc 240
  
```

ttctgtcattg acgaaagctt gcgaacatcg gttaatgaca tttacgctat tggcgagtgt 300
 gctagctggg aaaaccagac ttttggatc attgtcctg gtattgagat ggccgatgtg 360
 ctatcattta acttgacaaa cccggacaag gaaccgaaga gattcaacag gccggacctt 420
 agcaccaaac tcaagctgtt aggagtcgat gttgccagtt ttggtgactt tttcgccgac 480
 agagatggac cgaaattcct tccagggcaa cgaccogtct gccgaatcta ttggagctgc 540
 agaccctaac cgtgaagaag aacctcaggt caaggccctc acgtatagag atccttttgg 600
 cggagtctac aagaagtacc tgtttaccat ggatggaaaa taccttcttg gcggtatgat 660
 gattggcgat accaaggatt atgtcaagct gaaccagatg gtgaagtcac agaagcctct 720
 ggaagtacca cccagtgaat tcctcttggg tgcccagagc ggtggagaag aaaatgcaga 780
 cgatctgtaa gttcgatgtc gagttgcgca accgctcggt cgctaacagg tccaaaggta 840
 tgaccgaaga 850

<210> 21957
 <211> 744
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21957

aagctttacg ttgcagccac actacttcta agggctagca ttatttttagc ccaggatcta 60
 cctgacttac cttcctgctc tgtgagtctt caaacgcata cgacctcttt catctggccg 120
 atgctaataca tcacaatagc tgcaatgctt tctcagcgcc atgtccaatg atggctgccc 180
 ctctctaacc gatttcgcct gccactgccc ccaacctgcg ctctgtttccg aagtggcccc 240
 ttgtgtcgaa caatcttgca gcgagcaaga ccagtcctgt tagtctcagt gtccaaaaat 300
 tcactttaaa ataactgtac ataccogtct ctctcgatgt actgaccaac tcaactcaaa 360
 gccgtctcca acatcgtgat gactgcatgt tccagtgccg gcgtcctttt ctcggtccca 420
 cctgtcgacg gtggcacaac tacaatcaca gaaagcggcc ttgccccgtc accaacaggt 480
 ggtgagcatg agactatgat tcctccagga ggctctgtga gcccatccgg tccgatgatg 540
 acgcttccta cttcgaccga tacgactccg ccgacgttgt ctccaagttc ccctagtgtt 600
 tcgagccagc tgagtacgcc gaatgtcatt agtacttcgc caccgttcct tggaggagct 660
 gagtctttcc gcaccggagg gaggttagct gggggggcgg ctgccattgc agctggttat 720

ttgatgtaaa aggtcatgat actg

744

<210> 21958
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21958

gctatttcat caaggcggtc tcagcctcgc ccaaggcagt tgtcccagga tacgcgattg 60
gaggcgccat gtacttctct attccatggg ctctcgggac ggtgatgagc tctgttgccc 120
tgggggttga gaaccagccc aatttcccaa cctaccctcg agtcagtgtc gcttggaacca 180
ttatagctat atcgtcttcc ttactgacat gtgctataga gaatgacttc ctctgaggtc 240
agtgggtgtc ttgttctccc gtacgccgcc atgaccattg caggcaaagg aggagctgca 300
gcggtccttc tcatgatctt catggctgtg acatcgaccc tatctgccc a ggtgattgcc 360
gtaagctcca tctgagttt tgacgtatat cgcgagtact ttaagcgatc tgcgacggac 420
cgagatgtaa tccgtgccag ccaccttggc gtcactcttt tcgcggcctt ctgcgctgga 480
ttcagtagca tgctacacta cgtgggctgc gatctcggct ggacactgta catgcttggt 540
agggcattca aatcccaaag ctagacctca ctgactgacg atgactgcta ctattacagg 600
cgtgggttacc tgcccaggaa tcttccctat ggtcttcacc gtgctctggc gccgacagag 660
caaagctgct gccattttgt cgcctatcct gggattagca actggtctag ccgtctggct 720
taccactgcc ggtcatttcg gaggcgaggt gaccgtcgt accactggcc aagtgccacc 780
gtgcgtctat ggcaccgtgg cctcggaat ctcgaaaatc ctctactccg tctgatcac 840
gcttattcgc 850

<210> 21959
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21959

gaagccctcc cggtcgaaaa agagtttccg gaaggatcgc gcgccttctt ccttggcgag 60
tttaactacg gaagacctgt tcatatcact ggtcacgatg atggtaaagt taacggactt 120
attgctgtta tcaagggccg ggagcccag tttggaagag aacgtgcgcg aaacgcggag 180

gctctttctc cctacatgcc agcctttgca gttgcgcgga tcctgcagct gaatcccttg 240
actttggcta aaatcacgtc ttcattctca gtggacgtcg atgggtcaacg tgtcaacttg 300
ggtctcaacc ttaaatttga ggctaggaag cagaagggtc ttggttattc ccgccgatct 360
gagtcgggct gggagttcag tgcaaaggca attggactgg tagagcagta catgctcaaa 420
ttccctcaat ttatcgcggg tatccagcgt aaccctcgca atgacagata tcagcctacc 480
gattttctatc ctcccgatat cgctcttgac aagataaatg agatcaaagc ttgggtcaag 540
gaaattgagt cgaagaattt cgaacgggtc cctctagaag cggagcagct cgattcagat 600
gttgtgaagc ttatcgagca agacgccgac caactagtga aaacccagcc gcctatggaa 660
gccaaagaaa ttctgatgat tcctcggagt gcgcttcttc ggccagctga cgttgaacat 720
cgacttgga accaaacttt caaacttgga gatcgtgttg tgtatgctca ggattccggc 780
aaagtgccca tagctacctc gaggaactgt ggtcgggctt actcgaacgc caagagccat 840
tttgcttgat 850

<210> 21960
<211> 708
<212> DNA
<213> Aspergillus nidulans
<400> 21960

atgccacccc aaatcaaaca ggatctcaat cggtcaggat gggagaccac cgacttccca 60
tcagtctgcg aaaactgcct ccctgagaac ccatacgtgc agatgctcaa ggaggattat 120
ggcgccgaat gcaagatctg caccgcgcct ttcaccatct tccgctggaa agccgaccgg 180
acggccccga ccaagcgcac gaatatttgc cttacctgcg cccggttaa gaactgctgc 240
caatgctgca tgctcgattt gtcgttcggt ttaccattg tggtcgcgca tgccgcgctg 300
aagatggtgg cgcccggtcc gcagagctcg atcaaccgtg aatactacgc acagggccac 360
gagaaagaga ttgaggaagg acggggtgct gtggaggaat acgaaaagac tgatgagaaa 420
gctcgcgagt tgctgcgaag gctcgccaac agcgaacctt actataggaa gccgaggcag 480
ctggaggcgc cgaggaaga tggagagacg caaggcccat cagatgctac ggtggtcagg 540
agccgttatg gtaacggggc agggccggtc cgaacaagtg agagcagaag aggtacacca 600
ctacctgggc ggggtcagag aggtgtgcgc ggcgggcgac cattccctgg taccgcgcag 660

ttccgccatc gcaggcagat atactccac cgcgtgaccc caacatta

708

<210> 21961
<211> 530
<212> DNA
<213> Aspergillus nidulans

<400> 21961

tcccctcggc gtctttttta atcggaatgt caattgtccg gttcattttt tggccaacgg 60
tagttatcgt ggcagccggg gacacccta tctctggcta ttcccaatta gtgcggcaag 120
caaccatcct ttacatccaa cagactcctc gggatctccg acacctttct tcgtcttccc 180
gcgcccctgg cttctcaagg ccaccacggc cgcgaaaccc accacgcttc atcctcgtcg 240
acagcactgc gaacttcaaa ccggactact ggcagcgctt cgtcgccgtc ttcaccactg 300
gtcaaacctg gcagtttaag tcatacaagt ggtcatcacc accggaactc ttcaaactg 360
ctcccggat ttacgtcggg tggcgtggcg aggatattcc ccgtgaagta cgcgggtggg 420
gtcgtggcgt ccgcagcttc tttgttgagc gctgggatga aaaaggcggg gttaacgggt 480
cagggcgctg gcgggatcgg gaagtgtgga gggaatcaaa cggctactgt 530

<210> 21962
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 21962

aaacactcct gcgaacctgc tgagtttgac cggatgaaga cgcaatcatg gcggcagtag 60
acttttcaaa cgtctattcc gctacatata gcagtgtacg ctgtgaatac tggtttgctg 120
ccttggcgaa ctgctctttc ctgcattctg agttgggtctg actccattct ctaggttccg 180
gtgtatgagt tcaagattgg caccgacagt gttatgcaaa ggcggtctga tgattggatc 240
aatgcgacac atatacttaa agtagcaggg tttgacaagc cggcaagaac tcgtattctc 300
gagcgtgagg ttcagaaagg agtccacgaa aaagttcagg gcggctatgg caaatatcaa 360
ggtaaaatgg ccctggattt tagcatatcg tcagttcttt aacactcctt ttaggggaca 420
tggatccac ttcaggaagg tcgccagctt gcagagcgga ataataact cgacaaactc 480
ctgccaatat tcgactatgt 500

<210> 21963
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21963

```

gttgggtact ctattcgatt tgaagacaac acaagcgaca aaactgtgct caaatacatg   60
accgacggca tgctgctgcg tgagctcctt acggagccgg acttgggaca gtattcggcc  120
ctgatgattg atgaagcaca cgaacgtacg gttccgacag atattgcttg tggcctctta  180
aaggatattg cgaaggcacg cccggatttg aagttgctga tctcttctgc aactatggat  240
gcgcagaagt tccaaagtta ttttgacaat gcgccgattt tcaatattcc cgggcgcatg  300
tataatgtcg atatccacta cacgcagcaa ccggaagcca attaccttgc tgccgctatt  360
acgacagtct ttcagattca cgtttctcaa gggccgggtg acattctcgt cttectcact  420
ggccaggaag aaatcgaggc tgccgagcag agcttacagg aaactgcgag gaagctgggg  480
aataagatac cggaatgat tatatgtcca atctatgcca atctaccgtc cgatctgcaa  540
gccaaaatct ttgagccaac tcccccaag gcgcggaagg tggttctggc tacgaatatt  600
gccgaaacta gtctgacgat cgatgggatt gtttatgtga ttgatccggc ttcgtcaagg  660
agaacgtctt caaccctaga acgggcatgg agagtttggg agtgactccc tgctcgcgag  720
catcagcaaa ccagcgagct gggcgacgcg gtcgagttgg tccaggaaaa tgtttccgct  780
tgtatacgaa atgggcgtat tacaacgaac tggaagagag cactactcct gagattcagc  840
ggactaattt                                     850
  
```

<210> 21964
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21964

```

cgaaacgcaa agcatcgga cctcctgttg ttaaggtgga cgcacaggg ccctctaacg   60
gcaagactct tgctcccccg ttggatgatg agcgatcaac tgacagttct cacggcattg  120
ggcctgacaa tgcgagtgtc atggaagaaa gcttcgagat gatcagtgat ccagcggcgg  180
atctcgaaga ctatgacgac aagaaccgga aagttatgag aagcttacat cgcggcgatg  240
  
```

aagtcgagaa tctttgcaat gtttcccgga ttgttgggtt agaagccttt gaagggctac 300
taattcaagg caaagaccat atatacatcc ttgacaattt cttccagaga gtcgatggcg 360
aaatagtcaa cgtttcgcaa gctcccagtg acgagcgtga cccttacgtc cgcattgattg 420
ccggcagaga agccagtgag cgtaaaccac aggaatacga aactagaagc tggaaatgga 480
cggacctcgt tagtatatcc aagagacgat tcctgtttcg ggatgttgcg cttgagatct 540
tttttaccga tggaagcagc tatctgttga cgctcatttc atccaaagct cgagatattt 600
tgtgcagcca gcttgctgcg aaggctccgc aagttacagg aaacggttga cactcgcggc 660
cggaggatat atggcggttt gagactctca gaagttctga agacgcgcca caatctcttg 720
gctcaaagtt tgccagcgtc ttcgggcact cgccggttta tccagcaact cgtaaattggg 780
taaaggggga gatctccaac ttccattacc ttatgttgat caacacactc gccggtcgga 840
catttaacga 850

<210> 21965
<211> 850
<212> DNA
<213> *Aspergillus nidulans*
<400> 21965

accagctccg aattccactg cccacgacca gatgaacaac tttgtgcttg aacagaccat 60
tactgcgcct tttcagaact ccccgctcac ggcttacttt cgacggtgct cgtgggtctcc 120
agatgggttg cacattgctg ccgcgaatgc ggtcaatgga ccggtgagct ctgtggctat 180
catcaatcgt ggaggctggg atggagacat caatcttacc ggtcacgaag cgctgtcga 240
agtttgtgcc ttttctcccc gattgtactc tccgcagccg ataaaaaaaa atcaacagga 300
tagtcatgac catgtggcac agggccctgt gacagtaatt gcttgcgctg gaggcgacaa 360
atcactcagt gtttggatta cgagtaatcc acgaccgatt gtggtggcac aggaattggc 420
ggcgaaatct atctcagact tggcatggag tccggatggc agctgcctgt atgcaactgc 480
gctggatggc actattcttg cggcccggtt cgaggatgga gacttaggct atgctatgga 540
gttgaggagaa aatgagaagt cactcaccaa atttggtacg aaccgaaagg gtgcaggat 600
cgctgagact acagacggcc tgcttcttga agagaagagc aaggctggcg agcttaaagg 660
ggtcgaagga cgtatgggtg ctctgatggg cgacgggtcat gctacaggtg atgccgtggc 720

caatggaaaa cgcacacctt tgccatcaac atctaattggc gtcaccccag ctgctccgtc 780
tccatcgact gatgctcaga aatcacagcc gaacgcagct gcagcgccat cagcatcgga 840
gactgagaag 850

<210> 21966
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21966

caccgactta catctggtct aaaattatac tggctgctct ttctgtacgt ggaactcgtc 60
gtcagctctc tgcaaggac taatcatatt ttgactatca gtctctttac ttagggttca 120
gtttcaatgt caacaattcg atacaaggc ttcagaatca actatgggcc atctttatgt 180
tgctcatttt gttcatcaac attactgagc aaataatgcc catgatacaa accccaacga 240
gcgctatacg aggcgcgtga gcggccttcg attatttata gatggacaag taagactttg 300
cccgtcactt gaggctttct gcatatttta acttacctct tgaagcatac ctactctcca 360
atatectcat tgagctcgtc tggcagactc tcatggcagt cttactgtac ttctgctggt 420
attaccctgt gggcttcgtc cagaacacca cctccgatga ccaagctatc cgtgggttcg 480
ccgtatttct attcctatgg gtttatctac tatttaccag cagcatggcg cacttcgcca 540
tcttctggat aaaccttcgc gaaaccgctg gcgtgcttac cagtctttta tggatgctgt 600
gcatcttgtt ttgcgggga gtaaaaactc aacatgctga tttcatcgta tgctaaccag 660
aaaacagagt gggagtatcc atggccgatc tacccaaatt ttggaccttc atgtatcgtg 720
tgtccccgc aacatatctg gttgggggca taaatgccac cccagcgca actgggacga 780
atacgtcccg atcgtgagat cctccaaggg ctccaacgga aacctacctg gaagggggtc 840
ccatccgat 850

<210> 21967
<211> 491
<212> DNA
<213> Aspergillus nidulans

<400> 21967

tcaatatttt atccgacggc atcccagttg gtaagcaagc cttacttac acgtcttttt 60

ctcagatcag atctgaccag acgtacctgc agtctaccaa ggccaggaac aacatatgaa 120
aggaccatac gccccctaca accgcgaacc actctggaaa acgtcttaca atacaaacgg 180
ctctctctac aagacaacat caacactcaa caaacttcgc aaccacgcaa ttcgcctcga 240
caagcactac gtatccagcc acagcgaaga gctctacctg gatgggtcca catatgtcac 300
gcgcaagggc tcagaaggct ctcagattgt ctctgttttc tcgaatcaag ggtctcaagg 360
cggaccgtat aatcttagaa tacctagggc gtataagcct gggactgagg tcatcgagg 420
actaagttgc aagagagtga ctgcggataa cgaagggcag cttgttgcca aaatggacaa 480
gggggaaccg a 491

<210> 21968
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21968

cggcgttacc cagctattgc atctcttctt cgttcaggaa acgcgcgcaa ctatcctcct 60
tgaccgcgag gccaaacgcc gtgcgaagtc cggggaagac cccaacgtct acggccccaa 120
tgagctgaag tccccaagac tagacttcaa agagtttctt gctgtctggc gccgaccctt 180
tgaaatgttc ctccgcgaac cgatcgtgct ctgcctttct ttgctttctg gtttctctga 240
cgcgctaate ttcacctcca tcgagtcggt cgctcttgct ttcaagcagt ggggggttga 300
ccctctgagg atcggactct gctttgcaac gattatcata ggataccttg tggcctaogc 360
gatcttcate ccggacatct ggcgtcagcg caagatccgc aaggagcacg gtaatgccgc 420
ccgcctacca gagcgtcgcc ttctactcct tctcttcate gtcgcgctag aagccatcgg 480
attgtttgga ttcgcgtgga ccaccatggg gccagagtat aatcactgga ttgccccctt 540
aatcttcattg ttcctgatcg caatcgccaa ctatggcatt tatatggcga ccatcgacta 600
catggttgcc gcctatggcc cgtactccgc ctccgcgact ggaggcaacg gtttcgctcg 660
tgatttcctc gccggcttat ctgccatgta cgcaacgccc atgtacgaga acatcggtgg 720
ccgattgcac ttgcagtggg cgagtacgat cctcgctatc ttggctatcc ttgtcactat 780
ccctatctac gtcttttact ggaaaggacc gcagattcgg gagaatagca agtttgctca 840
gacgctggcg 850

<210> 21969
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 21969

```

caatgtgtag tattaagagg actactgcgc gccagggcatg gaagtagctg tgcctagctc   60
cccactagac agaacaccga gacaaacatc gcccacctct gcacctttcg tccagacgct  120
attccttcct gttcccagaa gtgacgattt agcaactgat cttattacca cacgcagaat  180
gacaacctac acaacgaacc acgcgccctc tgtcctacaa acccacagct ggcgacagc   240
ccagaactcc gccccgcacc tcctgccgca cctccagccg ggcctgaaga tcctcgatat  300
cggctgcggc cggggctcca taaccgtcga cctcgcgcgc ctcgtcgggc ctactggcca  360
cgttaccggg atcgagtacg tttccgaccc gctggactcc cgcgggcggcg ctcgcggcct  420
cgagcgggat aaccaacgtc acattccagg tcggcgatat tcacgcgctg cagttcgatg  480
gcgataccta tgaagtcgtg                                     500
  
```

<210> 21970
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21970

```

tggggattta agatttgccg tctcgcagga tcttgtcaat gctctatata acacgaaggg   60
cataacgcgg ttctattcgc atcaagcgga ggcaataaat catctccacg acgggaaaaa  120
tgtcattgtc tcaacatcga ccagctccgg aaagtcgctg atttaccagg ttccaatgct  180
gcacgaactc gagcaggact cggacagcag gggcatgtac atatttccta cgaaggccct  240
tgcgcaggac cagaaacgca gtatgcagga gctgctgcag tatctgaaca gtttacaggg  300
aacgatgggtg gaaacattcg atgcgacacg cccatggcga atcgtaatct tattcgtgat  360
gaagcgcgca tcattctcac gaaccgggat atgctgcaca ttacaatcct tccgcaggag  420
agctcgtggc ggactttcct ccagaatctc aaatttgtag tcgtcgacga acttcacgtc  480
tacaacggac tattcggatc tcatgttgcg ctcatcatgc gtcgcctgcg cgggatatgt  540
gctgctgtcg gaaaccggca tgtccgattt atatcctgct cagcaacggt tgctaacca  600
  
```

gaagaacata tgcgggcaat cttcggcgtc gacgatgtgc aactgattga ttttgacggt 660
tctccctgcg gccggaagga gtttctttgc tggaacacgc cgttcaaaga ccttgggtgat 720
cccacatctg cacgtggcga tagcgttgcc gaagccgcac ggctcttctg tcaacttatt 780
aaccgtggcg cgcgagtgat tgccttctgc cgtatccgcc agctaggcga agtttcccat 840
aaggcggtcc 850

<210> 21971
<211> 431
<212> DNA
<213> Aspergillus nidulans

<400> 21971

cgcgctgttt tttggcttcg catgagcgga taaaggctgc tgttgcgaga cattatgagc 60
gaaaggggtt tactcagtct ggtgaactta cgcagggcct gattttgagt gggtcgcgag 120
gtgtatcaaa gcttattgct gtgctgattg cttaccctca tgaggtagct acttattctt 180
accgacccta ttatccaact taaatgggta ttcactatct gcacttacag gtccttcgaa 240
ctcgctccg acaagccccg atggccgacg gccgacagaa atacacgggc gtgctgcaga 300
gcctccgatt aatggtaag gtggaagggt ttgtcgctct gtacgggtgt ctgaccgcgc 360
atatgatccg gacggttccc tcggctgcga tcacgctggg aacgtatgag ctggtgctca 420
agctactgag c 431

<210> 21972
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21972

ctcacacgct cagcatatgg aatgggcgct tctcctcggc tggctgggtt agcctcacac 60
taagaccctt ggcacttctc aactccccac cctcctctg gtcgccacg gtgtatgccc 120
tctcactggg ctggctcgcc gtgctcgccg agaccatagc gcactctgtt cagttagtag 180
gcggatacgg gtttacgccc attcaggctg gtttgctgta tctcagtcct ctaataggaa 240
cgatcttggg cagcgttatt ggcgggaaag tatctgatat cgttgctaaa gtcaaggcat 300
accgcgataa cggcgtgtac gagcctgagt cccggctcct gatgatgatc ccagcaatac 360

tcgtgtcaac gttgggactc gccggttacg gctggagcat tcagcttcgc actcactggg 420
 tcatcccaac actctgtttt ggggcgatct actttggctg tatactgggg agtacgattg 480
 cggtgacgta ctgtctagac tgccataaag cggatgcgat cggaacacag gtggtcctaa 540
 gtttgatgaa gagtaagtct tccttgccag gatataattac cctatacggg actgactggg 600
 atagacaccc acgggcttgc gttctctttg ttcgttgtag attgggtcaa ggcttgcgga 660
 ccgcgcaata ccttcttgat catcgctggg attcattcog ccttcctatc tgcgacgatt 720
 tttatgtata ttcatgggaa acagtttcgt ataaggatgg gcaagcgaag ttcatagctt 780
 gctatttggt tgcttatatg aggacataaa tgactttctca gcgctcacat taatttacat 840
 tggttcacat 850

<210> 21973
 <211> 322
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21973
 gatcccgcta aggatcatg ctgattccaa cattgttatc atgatggctg gaaacaaatc 60
 agacctgaat cacttgagat ctgttgctga tgaagatggg cgctctctcg ccgagaagga 120
 aggtttgtcg tttctcgaga catctgcttt agaagcgact aacatcgaga aagcgtttca 180
 gaccattttg tctgagattt atcatatcat aagcaagaaa gctttagcgg cacaagaagc 240
 tgcaggtaat cttccgggcc aaggaacagc gatcaataga tcagattcat ctgcaactaa 300
 cagatcagga tgctgttcta cc 322

<210> 21974
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21974
 gagcgcgcac aatatgcgtt ataccttcag gaaaggctca aggattacgc cactgacgag 60
 accggcctgc aacctggctc tcaggtctgg gtttgggaag gctcgaacgc tgcaaaactt 120
 gaggcttcgc ttgacgagtc tgggagcttc gataagcttg ttagtggaag gccgccagc 180
 ccgggccagc ggattgtcta tgttgatgga gggtttgacc ttttctcttc cggccatatt 240

gaatttcttc gccaaagtct agcaattgag gaatctgatg gcagacaacg cggctgggtat 300
 gaccaagaac agagagagca aagggtaaag acccacggag aagattttgg caccagctta 360
 cgtgggtggct ggcgttcacg acgacgatgt aataaaccat tggaaagggt taattatcct 420
 atcatgaaca tatttgagag gggcctatgc gttcttcaat gtcaagtaag catccatcct 480
 ttccattacg ggttgggtctg acaatttcta gtacgtacac gccgtaatct tctctgctcc 540
 attttcacca agtcagccat atttagagac aatgcctttg ggcgttcccg acgtcgtcta 600
 ccacggtccg actaccttta tcccactcac ctatgatcca tatgctgctc ccaaacgaat 660
 gggatatatt cgcgaaacga ccgatcacgc ttttcaacat gtgaacgctg gcgaaatagt 720
 tgaacggatc cttagagca gagaggctta cgaagcgaga cagcgcgcca agttgcagaa 780
 ggcagtgatc gaggatcaag ccaagtcaag agaagcggca tgaccaata gtatgagtca 840
 ttcttctctgc 850

<210> 21975
 <211> 710
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 21975

tatctggaag cctactcaca gtccgcacag atttatcaga tccgatccgc aacctactaa 60
 acaccttgcc catgccgcca gcttgctgat actgctatca cccggattgt tcatcatcga 120
 tcatattcat tttcaatata atggcttccg gtacggcatt ctgggtactgt ctatcgtctg 180
 ggctcggaag cagtcgaaat tgctgtatag cggaatcgcc ttccgcttc tactctgcct 240
 aaagcacatc tatctctacc ttgcccctgc atactttatc tacctgctgc gagcatactg 300
 cctggaccgg aaatctgttt ttccggcctcg atttggaat gctttcaagc taggcctcag 360
 tataattacg gtgttcgggc ttgcgttcgg accatttggt tactggggcc aactgctcca 420
 gctgaaagat cggctgttcc cattctccag aggcttatgc catgcttact gggcccaaaa 480
 tgtctgggct atgtattcat tcacggaccg catcctgatt ccatgtgctg atgaacctag 540
 ggtttctctt cctgcaccac gctgacgttc gtagttgcac cgaaacttgg actgccggtc 600
 aaccaagatg ctctaacaag cgtcactcgc ggccctcgctg gtgacacttc tttcgcgatt 660
 ttgccagaga tttcaaaaga gtacacattt gttctgacgc tctatcttt 710

<210> 21976
 <211> 526
 <212> DNA
 <213> Aspergillus nidulans

<400> 21976

```

gggaagagaa tgctgagctg cggcggctga tgccatttgc tatcgttggc tcggatgact   60
ttgtggaaat cgacggccgc aaggtgcggg ccagacagta cctttggggg gttgttgagg  120
tagagaacct cgggcactca gacttcttgg cgatccggag tgcccttctc cacagccatc  180
tggcggatct gaaggagatc actcatgatt tcctatatga gaactaccgt accgagaagc  240
ttagcaagag cgttgacggc gctgccacgt acgtatatgc acttcttcac tttctgatcc  300
tgcaattcta atgaacctca gcactggaac cgattcatcg atcaaccccg aagacctggc  360
tactcaatcc gtccgcctga aggaagaaca gctccgtcgc gaagaagaga agcttcggga  420
gattgagctc aaggtgcagc gtgagattgc tgagaagcgc caggagtgtg tggctcgtga  480
gagtcaactg agggagattg aggcccgcat ggcccgcgaa gcaagc                    526
  
```

<210> 21977
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21977

```

gagaataacc ttgccgacgc gcaggaagta ctcaagaacc agtggaccaa agagtctcgc   60
tccatctcgg gttcccatca ctccctgagt atgaccact gctacacca gatctcgtgc  120
ctgctgatgc agtgggtgtt gtcggcttcg ctgagctggg cccatgggga agcgcgcgga  180
ttcggtgagg aatggagtcg cgcgggtgtc tttctcctgc aggatactg gagacggcat  240
ggctaataaa tctcatacgg catgttgaca acgtcaatta cgtcggatgg gtggatgggg  300
aagatgggaa gcccggtgca gatgctgata ttccaaaacg atacggcgag cggatcctat  360
cgaatgcagg catacgttca ctgccatctg acaatcgaga ggttttccag gagatcgtgc  420
ttgaacaaga cttgccgtca tttgagacta cacgggaaaa tgccgaagct ctgcagcaac  480
ggcacggcga tatggtgcaa gtcagcacac tcaaaaacgg cttgtgtcta gttcagctac  540
agcacggcgc aacaatccgc gttcccaa atccatcatgtc tctccaggt gttgccggcc  600
  
```

aactgccgac aggctggtcg ccagaacggt acgggattcc agcggaaatc gtgcagcaag 660
 ttgaccccgt tgcccttgtg ctgctctgct gtgtagcgga ggctttctac agtgccggca 720
 tttccgatcc aatggagata ttgagcaca ttcattctatc ggaactgggc aactttgtag 780
 gtcctcaat ggggtggggtg gtgaacaccc gagcgctata tcacgacgtc tgccttgata 840
 aggatgtgca 850

<210> 21978
 <211> 553
 <212> DNA
 <213> Aspergillus nidulans

<400> 21978

gctccagtgg tgagtcttcg ccagtgaata ctggccgctt ctgccctttt tgagaggaag 60
 cgtccatatt cgatcgacgg acgcttcgca gcctcctgca atcaaccoga cttatttcat 120
 gttcgagcaa gacgccactg ctcaggctga tatggttcag tttatctgca aggctttcgg 180
 taccgtaccg ctaagcaata ttgtagggaa tgaggtttcc ccagagttgg gtgtcctacc 240
 cacaaatttg tcaatcgcca cttggaacaa ctgcggtttg gcgaactgta agttgctctc 300
 gttcagaaac ggcatatagc taaccgggct gtagaccgac ctaattatca ccagtcgggt 360
 actgccagct tgcttccttg gggaaatggg ggaagttgtc agtcctgagc ttaaagtgta 420
 tgggaccagg aatgtccgtg tgattgatgc atcatttctg gcgttccagc tctgtgggtc 480
 tttacaaagg aactggatg ctgtccgctg aaaggcttca gatataataa agcgaggcac 540
 catggctaaa att 553

<210> 21979
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21979

agctcgaacc aggcaacaca caagcccaga gcgggtctgga tgccgtgaag cgagccatca 60
 acgccgaggc ccaggctgac ggtgtcaccg gtgateccat gggcggtctc agcaacatct 120
 tcaacgatcc tcaactgttc cagaaactcg ccagcaaccc caagacctcc gccctccttg 180
 ccgacggcga cttcatgaac aagctcaaga aactccagca gaaccgaac agcattgggtg 240

aggagatcaa ggacccgcgt ttcttgacag ttatgagcgt gctgcttggc attgacatga 300
 actttggcgc tcctccccag ggcggtccct ccggcgccgc tgcggaagcc gaagaagacg 360
 taccgatgcc tgacgcccgc ccgtcccctc cgaagaagga gcccgaacct gagcccgagc 420
 ctgaggatga ggagactatc gccagaaga aggcacagga ggccggtgat gctgagaaga 480
 agattggtaa cgacttctac aagaagaagc agtttgacga ggccattgag cactacacca 540
 aggcatggga gctgaacaag gacgtcacat acttgaacaa cattggtgcg gccaaagtctg 600
 aaaagggcga cctccagggt gccattgaga catgcaagaa cgctattgag gaaggacgtg 660
 aacaccgcgc ggactttaag ctcatcgcca aggctttcac acgtatcggg actgcctatg 720
 agaagctagg agacctcgac aaggccattg agaactacaa caagtcgctc accgaacacc 780
 gaaccctga tgccttact aagaacgaa acgccgagaa ggcccgcgac aaggccaaga 840
 aggaggccta 850

<210> 21980
 <211> 776
 <212> DNA
 <213> Aspergillus nidulans
 <400> 21980

aaaaaagaaa ttatcttctt accttaatct cacgacgatc tgtgaagcgt ccaggcctac 60
 ggtatcttcg tcgtggagtg gatgacgacg ggaataccgc caacacggta gaaacggagc 120
 aaattctctc agtaccgat tgggaccctt ccataatgt ttactcgtag cttcagctac 180
 ggggttccat tccgctatac ttctcgagc ctccatactc cttcaaaccg gtccctgtac 240
 tccatcattc gccagaaaca aataaattgg cgttcgaacg gcacttccgt actataagcc 300
 gacgttacgg gaggatacaa gctgtttctc tgggtgataa gcgcgtcccg gaactgaagc 360
 ttggggagca atacgagaag tatgctcagg gatttaatca gtctggcggg attgacggcg 420
 tcccacttgg gtttgaatgg ttcgattttc ataataatg ccgagggatg aaatttgaga 480
 atgtgagccg gctcgtcgac aaacttgcag ataccttgga agaattcaaa agcattgtag 540
 tgaacaatgg caccataatc caagatcaga cgggaattgt ccgtaccaac tgcattggact 600
 gccttgaccg cacaggtgtc gcacagtgcg ccttcgggca atgggctctg gagcgcgcat 660
 tgaaacagga aggtatcgat attgacttgg gaggggactc tctacaaggt ggtttaacat 720

attgtgggca gcaatggtga tccattccaa gcagtattct caacagcagc tttgaa 776

<210> 21981
<211> 546
<212> DNA
<213> Aspergillus nidulans

<400> 21981

ttaatccgga gagagccgtt gagttttccg gaggcggatt ctcgatcag atttgcgcgc 60
ccatcatatc aggattccag tgttcttggt ttttgaaga cacttgggtg caagtgggat 120
ggattataca atccccaggg aagaggaatc cccgacgtcg ccgcgcaggc caacaactat 180
attatcatcg accatggcaa aacatatac attggaggca ccaggtagct agctttgatc 240
tgatcagatc tctgtactaa ctgatagacc agcgctctg cgcctgtctt tgcagctatt 300
gtatcacggt tgaacgcggc cagattagag gacggcaagc ccagattggg ttttctcaac 360
ccgtggcttt attctttgaa tcaaaccgga ttaccgata tcgtggatgg cagatctgta 420
ggttgtctgg gggccccagg ggtcgaaaac ctttatgcta gctggaacgc aacgcctggc 480
tgggatcccg tcacgggcct aggcactccg ttctataata cgctggtgaa agtggcaaga 540
gagttg 546

<210> 21982
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21982

ctcaaggacg tcaacctcga catcaagcct cgtgagaaga ttggcgtggt tgggcgtacg 60
ggtgctggaa agagttcact gactctggcg cttttccgca taatcgaacc taccaacggt 120
ggaatcagta tcgacaatct ggacatttcg acaatagggc tccgtgatct acgcgggcgg 180
cttgccatca tccccagga ccagccatg ttogaaggca cggcgcgga caacctggac 240
cctcgccatg tacatgacga taccgaactg tggagcggtt ttggtacgtg ggctgcaca 300
tgacggtgaa tcagtgggtt aatggtattg actgtatgca gagcacgcc gactgaagga 360
gcatgtatct caaatgcagg gtcaactgga cgcgcacatt caagaaggag gtatgtacag 420
cacatgcagc tagtatatcc ctagcatcgc gcttaattaa ccaccaacag gatccaactt 480

gagccaaggc cagcgccaac taatctccct tgcccgagct ctcttaacgc ctagcaacat 540
 cctcgttcta gacgaagcaa cggtgagtgg cattgctcac cggtttttgg gctctggaga 600
 aaactaacia cactaggccg cgcgcgacgt cgaaacggat gccctgcttc aacgcaccct 660
 gcgtagtagc atcttccaag accgcacgat tatcacgata gcgcaccgta tcaacacaat 720
 tattgactcg gaccgcatcg tcgtcctgga caagggccgc gttgcggagt tcgattcccc 780
 ggccggcactg atcaagcagc gcgggaaatt ctacgacctt gtcaaggagg ctgggctgct 840
 tgacagtgac 850

<210> 21983
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21983
 gagggggtct catgacgatg gctacaatca taaactccga catgatcccc tttcatcgcc 60
 gcggtatgta ccaagccgcg cagaacgtcc tgcacgggtt cgggtctatc tgcggggcgt 120
 cgctcggcgg gtctattgca aatacgatcg gttggcggtg gtgctttctt ttacaggtgc 180
 ccgtgtccgt ttttgcgctt gcgatcggac ggatcggtat ccctatgccg cagaaacctc 240
 ctacgggcgt tggctggagt gtttgaagc aagttgacct tacgggtgcg ctccctctca 300
 ttctcggctc gtccgtgcag ctggtcggct tgagtctggg tggcaatgag ctcccttgga 360
 gtaacggatg gggtgtttct agtctgctcg gcagcctggt cctgttgggc ggggtcatag 420
 tcgtcgaggc aaagacaagt gctatccctg tcatcccgtc gcggatgttg aaaggtctct 480
 tgccggtttc cagcgaatc gccaatgttt gcgttgggat ggcagcttac gctgtaagtc 540
 tctcttgctt ccctatctct tcgtcagcc cctccctgca agtatcaaga cgcaactatt 600
 gacgtcagca gttcctcttc aacctccctc tcttcttcca aatcgtgctg ctagacagcg 660
 catccaaagc gggtgcccgt cttgtgattc cgtccctcgc gacgccgctc ggccgactcc 720
 tgtctggaat cgtcatgtcc cactacggca aactgagcta cctaagcgt gcaggtgcta 780
 tgctcatgtt tctggggaac tgcttgtaat gatattggac tttgaagact cggcatggaa 840
 gtactttgtt 850

<210> 21984
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 21984

```

ttttcatttg cgccggaatc caaaagcttt ataacctgca aaccagggtcc aatttcaccg 60
ttagcttgga cgccagccct caaatatctg tggcaagaaa cagagggttc cagtgttccc 120
atcttcctcg aagcgggtcta agcatagtaa gcccgtccta ttcgcctttg cgaataagag 180
tctgacactc aacgcagtggt caatgtcggg cttagtctag gatccgccgg cgattctacg 240
tccttgcccg cacaattcct gacattcagc agactcgtgg tctgtgcgtt gatgattcga 300
ggacgccatc gaggaatgcc tagtcagctg gtccgtgcag tgctccttcc aagcgatagc 360
ctgggtggagc atggctctgt agcaatgtac agtaciaaagg gtctttgggt ggagcgccgg 420
tcgttgaaag ttccgccgta ccatacccca tgagaccgcc aatagttcta tctttagccg 480
gtcttgcgac cggatgaatcg 500

```

<210> 21985
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21985

```

ctcgtcttcg cggttaccga tggatcgcat gcaccggatg gttggaggac cccgtacgtt 60
ctcgtgacgt ttctcctcgg aatagcgcta cttgccgag cattttacat cgagggctgg 120
gttgcgctcg agccgtgct cccttttgat gtcttcaagg tcaagtogat gagcccgtc 180
ttcgttgcg cgtcattctc gtacgggtga ttccggatct acctgttcta cgccagtttc 240
tagtaagtca atcctgatcg ctccgcgatg gcagctaata gggccagcat ccaagacatc 300
cttggccata actctttgat ttccgcgcc tggttcgccc ccatggccgc cgggggcgta 360
atcctcgcca cggttggcgg tttcacctg caccatctgc ccggaaaact tcttctcctg 420
atctccggcg ccggctacct cgtttcaatg ctgctgtttg ccatcattcc agacaatccc 480
aactactggg catacgtgtt cccggccatg gtggccgcaa cagttggcgt ggatatcggg 540
tacagtgtct cgaacatctt cattacaacc aacttgctc aaaaccggca gggcgtagcg 600
ggcgccataa tcaacacgat cgtattcgcc gggatcagct tcttcctcgg cttggcggat 660

```

ctggtcgctcg cggagacgaa ggatttagga gctgctggga gctacaaagc tgcgttttgg 720
 tttggagtcg cttgctcggg cgttgcgatt ttgctgctgg tgttcattcg cgtcggaaag 780
 gcgcagagtg acctaacgtg tgaggagagg atccagctgg ccgcgctcgtt ggctgtgggg 840
 gatgttacgc 850

<210> 21986
 <211> 505
 <212> DNA
 <213> Aspergillus nidulans

<400> 21986

tcaagggtggc ggaggtacaa ggaacatgcc gagtcaggac aaacgggtcca acaatcagat 60
 acatcttcca gtctgtccat cacggctgtc gatatcgccg attgggtcaac tgtcgtgaag 120
 cgcctatcct caactatctt atcaactaca gtcataaggct caaaatctca tcctgcgcct 180
 ctctctccaa tttcaactcc ctcaggagat cgaattcacc ctagccattt caccgtcgac 240
 ttcaagcgct tcgatgttct gactctctcg gaccagacc tcgcttccct attccaatcc 300
 caacggacaa acatagtcac acttatgttc aactaaacg agctcttctc aacctccatg 360
 tcgaaagcta catcttttct tctccggaca acggacctcc tagaacgggg cacaatcctc 420
 ctagtcgttg acagcccggg gagctattcg acgctcaaac tgaacaagag cacgggcgag 480
 cagcaggaga gacagcttta gagta 505

<210> 21987
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21987

caaggggcct gagaacgata aggctttgga caaacggtac ttcgttcgcy ctgtcgtccg 60
 tcccggccga ctccgtgacg atatccccac tgcggagtac cttacctcgg aagctgaccg 120
 tttgatgaac gacattcttg atgcccttga ggtcattggc aacaacaact ccgatctcaa 180
 ccacatcttc atcaacttct ccccgctctt caacttacag cccaagatg tggaagaggc 240
 attagcaggc ttcttgatc gcttcggcct tcgcctttgg cgccttcgtg tcaactgggtgc 300
 cgagatccgc attctatgca ccgatccgc cactggcatg ccataccctc tgcgtgtgat 360

cattagcaac actggttggt atatcatcca ggttgagctt tacattgaga aaaagtccga 420
gaagggcgag tggcttcttc acagcattgg tggcactaac aagcttggat ccaaccactt 480
gcgtccggtt tccaccctt accctaccaa ggagtggctg cagcctaagc gctacaaggc 540
tcacgtcatg ggtactcaat atgtgtacga ctccctgag ctcttccgtg aagctttcca 600
gaactcgtgg accaaggcca tagaaaagag cccgagcttg atcgagcgtc gtcctcctct 660
tggcgagtgc atggaatata gcgaagctgt cttagacgat actgacaacc tggttgagat 720
ttctcgggg ccttgaccc acacccacg gaatgttgg atggataggt accgctcgcc 780
ccccagtat cccgaggga gacgcctcat cattgttgcg atggacattc ccttccaaac 840
ggttcgttcg 850

<210> 21988
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21988

tcgggcaccg cacaccagtg actgtacttg cagtgtcccg gtcctttagc accctgttgt 60
ctgcgtcgat cgacggtcag cttatgctct gggatttaaa ccgtcagtgc tttttgcggg 120
agcttccatt gaaagggcct gttgatgtat gctctagtcc ccaattctta tcattcaacc 180
caactaatgc gagctcagtg tgcccaaadc aataatgtga ctggagaaat cgctgtttgt 240
cgagggaacc gcatcacgtt atactcgtg aatggagccg tattgcttga acaggtagtc 300
tgcgagtcac ccgatgatac gacgttggcc tgtgttttct acgaaggagt cggcgacgaa 360
tggcaagagc gcgagctggc ctttaccggc cataaaaggg gtgttgtcaa tgtaagtaac 420
gactcccagg gccaggcgc ggacctaaca cgttgtaggt ctggagcaag atcatcagaa 480
atggctcgtt tgagctggag ttgatccgcc agctccatca cattgataac aaccgcgaca 540
acggtgcaaa tatagccgcc ggaattagtt gtatccaggc gtttcccaa gttgtctata 600
ctggcgatga agcgggaaga gtggtaagtg gcggcctggc atccgacgtt ggattttgtt 660
tcgcaatgct gattgatact tcatagtatg agtggagctg tgtccaacgc cgatgacctc 720
taaaatttcc tcgtctgggt gctatctctc atgctcaaag tccagggtt ataaattctt 780
tgtttatccg cggagtatct gcttctgtt ttcattgttc tcgacactga tgccgttgc 840

ttttccattg

850

<210> 21989
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21989

caagcgtgag aaaggtagggt agtgctacgc agacatcact acccacttgc tccgacatat 60
gctgattcgg taaaatcctt acaggcctac gaaggaactc gtaccgagat gggtgaggcg 120
tcgaggaacc acaagaagat agcgtcaa atccgggaat tagtcgtttc gccgttcaag 180
cgctgggtgc atcaacatga ggcacggatt gagaactctc atgatgacct ccaggctcgg 240
atcaaggagc ataccaagca ggtagacctg gtgaagaagc tgcggagcca gtacttcaac 300
aaatgccgtg tacttgagga tctggaggaa gagaacaagc tcgcatttca ggccgccgaa 360
actagcccta aaatcaagcc gacacccaaa ataatcctac ccgacaaaga gcctgtggag 420
gatgagccgg tggaactcgg cgaccgggtg tatactccag atgatctgaa gaagcttctc 480
gtgcacatgc tagagactat ccctcagggt gagattaaag tgcctattat tggcacttac 540
caaaatacgt cgactggtgc ggatatcgtg gaatataccc aaaagtactt gaacgcgact 600
agcatcagct acgccgagag aatcgggcag gatctcgtcg acaatggctt cctccgggta 660
gtgggaaata tgggcagcac atttgccaat agctctaagt tgcgttacca gtggcggtcc 720
aagtgtttcc agatctctgg cataccggag aagacgacag ctttgatgcg tgtgacctct 780
gtcgcgacca gcgaggatgg tattgattcg cctatttctt ctgtctctga gatgctggct 840
ggctggaatc 850

<210> 21990
<211> 654
<212> DNA
<213> Aspergillus nidulans

<400> 21990

cggtggtctc tatcagttgt gtctccggt cggtgatctc tacgagagtc tcggcgcggc 60
agggtgggcc aatcaggctc ctacgatac accgcgcgga gtacagtcac cttcaaccgc 120
cccatactt tcgcctgggg cgtctgcaag ggctgtcaat tcctttcccg cctgtctctg 180

ttcatccctg ggcctcaaa ctggcctacc ttcgaacgca acgcctccga gcagtacgaa 240
ggccgcgttg ctatgggccg catctccgat cccgacccgt ccaacccttc tgtcttcttc 300
cacggcatgc acggctcttc cttccccatt gccgttgac acggcgaagg tcgcgcctcc 360
ttcacggcct cctctacaga cccagcttcc ttcgtcgctc agggcctggc gccggtgcag 420
tggttcgaca acgctacact caagcccacc atgaagtacc cttttaacct caacggtagt 480
cccagggtta ttgctggtat tcgcaacgca aatggctgtg tcatggccat catgccacat 540
cctgaaagga ccgttatgaa cgttattgct agctgggttc cggccaaggc agaggagtgg 600
ggtgatattg ggccatgggg acggatattc ttcagcgcca gacgggtgggt tgggt 654

<210> 21991
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21991

ccctacagta catggccgcg caacgcgaac accctctgat ctctacgata tttcttcgaa 60
cgtaaatgga ccgacgatat ttctatggaa ttcgggtggc ggcggctcgt gcttttagtga 120
aacatgccaa agaagaaatc aactggctag ggctatttca tctcgagaaa gcttttcaag 180
agctattctg cctgccggga tctcctatga ctcggtcaaa taacttctca gatagggccg 240
cgtatgtcct tcagctagtc attccccagg caatttccaa agtgccggac gtcagtggta 300
agactcccat gaggggtgaag cggtttcttt atgacaagct gaagttcaac gacaactcca 360
ataatgaggt aagcaagtct accttgatg tttttatgca tatactcaca ctgatgaagt 420
actcggacaa cttaaactg gccacattga tgaagtccat atgtcacgcc atgcttgaaa 480
gagttgagtc ccgtactgat gacctgaaca attttgatat ggacgccgtt ctagaagctc 540
tagccgaaga acagctggag aaggacgcta ttgcggaaat cgaccgatat aggagaatgg 600
acgagtggtc aagctctttc cagagcctct actcccgcc ggctctatat tgccgaatgc 660
agctgatgca agctaaaata gctgaagtcg acgttatgca atttctacct tacacgcggg 720
taggcactta tgacctcctt cgctggacg ctttagaatg cccccgcca gctggacatc 780
ttcaaaagcc ccgaaagaaa acgggtgggtc attttcacca tgtcaaatga cccgtccaga 840
tggttcgctc 850

<210> 21992
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21992

```
acgtggagac catggctttg gatggggaga ccaatcttaa aaccaagcag cctgcccact   60
ctgtggcaaa ggtatgcgga acggtgggag gtatttgcag cagttcaata cactttgctg  120
tagaagatcc taaccttgat ctctacaaat tcgatggaaa cgtgacggtg gctgctggag  180
agaagacgcc gctgacaaac aatgaaattc tctaccgogg tagtatcctt cgcaaacactg  240
aacgggcagt gggcatggtc atttacacgg gcgaggaatg caagatccgc atgaatgcaa  300
acaaaaaccc tcgcatcaag atgccctctc tccaaggcaa ggttaaccga gtcgtcatgc  360
tcattgtgct tttggtggta atgctggctg gtgcctgtac cattgcctac aagtactggt  420
cacatgacgt ggaaagccat gcctggtacc tcgaggacgc caacgtgagc tatgggcctg  480
ttttcacctc ttttctcatc atgttcaata cgatgattcc gatttcgctc tatgtgagta  540
tggaattgt caaggtggct caaatgctca tgctcaacgc cgatatcgac atgtatgatc  600
ccgagtctga cacaccgctt gaagcccgga cttcgacgat caatgaggaa cttggccaag  660
tcagctatat cttttcagac aaactgggaa cattgacaaa caatagcatg cgtttccgta  720
agatgagcgt cgctgggacc gcatggtttc atgactttga tctgcttggc gagactaaat  780
caaaaagggtg aacgggaaaa gctgatccat aagaaacgaa gtgtgaaagt gcacttagac  840
tgtaaccggg                                     850
```

<210> 21993
 <211> 611
 <212> DNA
 <213> Aspergillus nidulans

<400> 21993

```
tccctccac gatagttccc aaccaccga caaatatgg cgtcgttctc tttcctgct   60
tcgagatgct tgacgtcttc ggcccccttg aagtactctc ctgggctgca cggtgcacg  120
aaaagctgga tctctacctg ctgcgcgaga cactggaccc cgtcaccaca cagccgcaga  180
gcgctgcaat gaacacattt aattcgctgt tctttccgac cgttaacca acacatacgt  240
```

tcgatgataa ccctgagctg gatgtgctca tcgtgcccg tgggctgggg acgcgcaacc 300
ctaacatgga ccggaccctg cagttcatca gctccactta tccaagagtg cagtatctga 360
tcaccgtctg cacaggggtca gcgctggctg cccagacggg gatcctagac gggcgccgcg 420
caacgacgaa caaagcatcc tgggactctg tcatcgtaa tgggccgaat actacctggg 480
tcccggaggg tagatgggta gttgacggca atatctggac ttcttcgggc atctcggcgg 540
ggatcgatgc gacattggcg tttgtggccg agttatatgg aaaagagaac gcaacggtaa 600
tcagtgagta t 611

<210> 21994
<211> 327
<212> DNA
<213> Aspergillus nidulans

<400> 21994
gctcatcaca ctggacttgc ccatgggtgcc aggggacaag atccactgcc tggacatcct 60
ctttgccctg accaaagagg tcttgggtga ctctggggaa atggacgccc tcaagcagac 120
catggaggag aagtcatg cagccaaccc ctccaagggt tcttacgagc ccatcaccac 180
caccctcaag aggaagcacg aggaggtgtg cgccatcaag atccagaggg cctagcgccg 240
gcacctgcta cagcgctcca tgaagcaggg atccgacatg tagcgccaca gcgacgaggg 300
atctgggaat gacgccctga gaaggag 327

<210> 21995
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21995
gagtatactc ttgctaacac cctaccagtt tctttggctg agtcacttct gaatgtcagt 60
ttctcgtacc aactgcacta gcaggcatat ctgttgagtc ctcatctgat ttccttcagg 120
caaatccaaa actagctact acgaaagatg atgatgaccg tcttccaatt cactgggagg 180
tggcctacaa ccaccttccc atggctcgagc tctctgtttc aacaaaggac ttcgatccgg 240
atgtcgaggt acgtactcgt tggaacgtat cttttgcatt gtaagacctt accagactaa 300
ttggaaggcc aggacggatc atgctggact cctctaata tgcgcgctag tcttagaaat 360

gccgaaggtg accccatcat cgagctactc ctgcgcaaag gagcggatgt caatgccaaag 420
 agcatcactg ggcaggtgaag tccctgaaga tacatagtca ttcttttttg aggcatacaa 480
 ttgatcaatc cagaatgcac tggactttgc aacatctaaa gcaaacaatca ccacagtccg 540
 gaccttactg gaaaacaaat gcagtgtccg agtcaaggac aaaagggggc agttagcgct 600
 tcatcgtgcg gctgcgatag gctctacgcc aatcatccag ctactgctga aagaaggctc 660
 aagccccggtt aatgctactg ataatgatgg ccttacggca ttgcaccatg ctatttcaga 720
 aggtcatggt gatgcggcgc ttacgttggt gaaagctggt gctgaggcgg ataagaagga 780
 tgcgagtggg acgttagcga ttgatatggc gccggataag aaggtagata agcagccagc 840
 atcattggaa 850

<210> 21996
 <211> 545
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21996
 caaaaggccc tgagccctcg agactttgct gacaccatta cattttacaa ttttctgtgt 60
 acaactactc tgacgggata tggggtttga agctatcatt ctgacgcaac tttgtagctt 120
 ctgtaattgg ccaccggatc aagtgtccca acaaccacta tctgtttggt gagctgatga 180
 aggaatacaa taagaatcac ttacccatgg ccaagcttct ggattacgcc attggtgaat 240
 gcactgtcac cacatacaca caacgacaat gccgattctt aaccgtccac cgctgtatcc 300
 ctgtttgttg gaataatctc atgcgcaagt gctgtgctat ctactgcgag gaatccgatg 360
 actacatgaa gatgggtgtc ctcaacggtc ttttcgttct aggccgtagc atcgggtctga 420
 ttgcccacta ccttgatcag aagagactgc gcactggtct ttaccgccac ccttgggatg 480
 acatcacgta cctgctcccc gccctgcaaa aggggtggctc ggagggtcgt gttgagggtca 540
 acgta 545

<210> 21997
 <211> 428
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 21997

aaggtgcgtg gatattctggc ttctacatcg atttcatatg ctgacgcggt tggtttagat 60
tgtatgcgaa gtgtatcccc acgttcacgg actgcacgat tgcggaatta gaaaagctgg 120
gtgacaagta ccgtctggcg ttgaggggtg caaaggatcc gcgctgggag cgggtcaagt 180
gctcgcacaa gggcacctat gccgatgact gtctcgttga taggggtgagt tcgcccgtct 240
ctgaactctt tgggtccgcg atccgctaac gcatgacagg taacgaaaca ccgcatctac 300
ctcgtcgcaa caaacgataa agatctttgt cgccgactcc gcaagattcc cgggtgtgcca 360
atcatgaaag ttgcccgagg aaagttcaca attgagaagc tgccggacgc tttggattag 420
cggcacgc 428

<210> 21998
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 21998
gccgaaaaag cagcgggaaga ggctcggaag aagaaagagc aggagcgcgc acgggaacgg 60
gagctcgagg aaatcagacg cagagaacgc tcagacaggg gctggggagg gaggagaggc 120
ggtttcagag gccgggactt tgacagacct cgctcacctc cgagacgacg cagccgggat 180
cgttattggg accgccttca aggcgggagt tcgattcgta cgttccctct ggttctcgca 240
ggggccgctc gccttctagg tcacccagtc gctcacgttc acgttcacgt tcacggtcgc 300
gatctgtgtc atcatctcgt tcgccgccac ccaggcgtcg caatgaccgc aacagacgac 360
gtcgatcagt tagcgattcc atctctccag accgagagcg ccggaggcag aggagacgta 420
gtcctgatta cgggtgatca gcaagatcca tatcccgag tgattcatcg cgctcacgta 480
ctcccagaag agaccgaaga cggagatctg tttcttccag cccatccgc tcacccgccc 540
ccagagaccg acacagacgg agggactcat ctgtctcgag atcacgggcc cgatcgcaga 600
gccgtgacag gaagcacggt cggcgcagat cgtcgcctta ttcaagagat gacaggagag 660
aatcaacggc taatgttgca aaggccaca gaacctgtga tgatcgccgt ttgagccgca 720
gcagagatcg cggcggggac cgtaggcgc ggtactcgac gagccgcagt cgtagtcgca 780
gcaggagcca tagaggccgt tcttctagca agagtcgtga ctctcgtagt cgcagccgca 840
gccgcagccg 850

<210> 21999
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 21999

```

atgtgtgctg ggcaacaaga ctccggcgca gatgacggtg ctcaatgagt gcccgcttga 60
tcttggtggt tatttcatcg tcaatggaac ggagaagggtg attctcgttc aggaacagtt 120
gagcaagaac agaatcatcg tcgagacgga tccgaaaaag gagatagttc aggcacggt 180
cacaaggtaa gagtccgagg cttcagtggg gtttggcatc ttactaagaa tgctttagt 240
tcatccaatg agcgcaagtc taagagttat attattttta agaaggacag gttatacgtc 300
aaacacaacg tgctcagcga agatattccc atcggtatcc ttctcaaagc catgggcatc 360
cataccgaca aggaaatgat gctcctggtt gctggcgtcg acaagggtcta ccaggaggac 420
ttcgctatta actttgagaa agctatcaag gttggcgtat ttacgcagca gcaagcactt 480
gattggattg gttctcggt caagatcaat cgaaagcaga tgtcttaccg ccggacacac 540
gttcagaggc cgtcgaggct attgcgtccg tcatcatttc ccacattgaa gtcaaagaca 600
tgaacttccg gcctaaggcc atttacgttg ctaacatggc ccgccgtgtg ctcatggcga 660
agaatgacgc ggcgctggtc gacgaccgtg attaccttgg gaataagaga ctagagttgg 720
ccggacagct attagccttg ctctttgaag atctcttcaa gaagttctgc tttgatatta 780
aatgaacat tgataaggtc ctaaacaagc gcaatcgagt taggcgtcaa tgccgggtga 840
gagccagcgc 850
  
```

<210> 22000
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22000

```

ttccgctacg tgcaacgccg ccaggcacia tactttcggc tggggtaaatt ttgcctatat 60
ccttaggtcg actggtgtat gctgattctt cataagtgtg ttcaagttcg tgctctcccg 120
aacagaattc cgtcgccaac tgaaggtaat ggatgacttc ataaaaccct acattgaccg 180
tgtcctcgcc atgtcgcccc ccgaactaga ccaaaaactc tccaaaagcg acaccttcct 240
  
```


ccacgcattg gctcgtttca ctctgaccg ccgcactctt cgcgaccaac tcgttgccat 300
 cctccttgcc ggccgcgaca caacagctgc cactctatca ttctgtctct ttgaattagc 360
 ccgcaacca gaggtcaccg ccaaactccg cgaagagatc gcatcgcgcc tgggcctcgg 420
 cgctccgccc aaaagccctc ttacacggac ctcaaggaaa tgaaatacct caatgccgtc 480
 ctcaatgaat caatgcgcct ttaccccgtc gtccattca acgtccgctt ctccgtaaag 540
 gacacaacct tcccgcgagg cggcggaccg gacggcctcg ccccgctgc cgtcagagcc 600
 ggcaaccgcg tcgtctattc cacaatgatt atgcagcgca gccagaaaa ctacgatccc 660
 ccatctgcac cgaactactt cgatcccgcg caatggaacc cggagcgctg gctctcggga 720
 tggcaaccga aaccatggca gtttattccg ttcaatgggg gcccggaat ctgcattggc 780
 cagcaatttg cgatgattga gatgggttac acagttgtta gaatcttgca ggcgtttgag 840
 cgcatcagg 850

<210> 22001
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 22001

ggaggtacgt atactggccc cgggtccgta tccttcatca ctttcctccg catcctgggt 60
 tcggtgacgg ctaatatggg cattgttcgt tagcgaactc cacgtcttcc ggggccacca 120
 accctccggc acggatttca tcatgggcca cgagttcacc ggcgagatcg cctcggtcgg 180
 ctctgctcgtc tcgaaattca agcccggcga caagggtgtc tcccccttca ctgtctcctg 240
 cggagactgc ttctactgct cccacaacac ttctctcgtg tgcgccaagt gccagctcta 300
 cgggtcgggtg gtcctcgacg gcgcgcaggc ggactacgtc cgtgtcccg cggccgacag 360
 cacgtcgtc tccgcgccgg agaagatcga cgagaagaag ctggttatga tggcggatat 420
 cttgccaacg ggattcttcg cggctaagaa tgcattcagc gggcttgata agagcattat 480
 caaggaaagc acagttattc tcttcgggtg tggaccggtc gggatctttg cgtgatcag 540
 cgcgtcagag tacaagccca agcaccttat tgcaatcgac tetgttcctt cgcgactgga 600
 gctggcaaag agcctcgggt cgcgacggcg gaactttgcc accgactctg agggcctcaa 660
 gaaccgggtc aaggaaactc cggacggccg aggcgcagac gttgcgattg aagtcgtcgg 720

ccacagtgat gcgctgagaa tggcgtttga catgatccgc ccttggggca agatctccag 780
 cgttggcgtg cacaacgggg agatcccttg gacgggtaac gaggcgtatg gcaagaataa 840
 acaacacaag 850

<210> 22002
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 22002

cttcgaggag agcgtcaagt cgctccttgc cctcacagaa aggtacgtgc ctccgatttt 60
 catttcttaa gttaaacctt actcccgtct agatcagacg cagataatca gcttcggacc 120
 gctggctatg aagtcctcaa ctctttcgtt accaatgctg ccaacgacag ccttcccact 180
 gttgtcacc tatccgacgt cgctcctcag cgtctggagc gtactattcc tatgcagcaa 240
 caggtcgtca gcgtcgagga ccgcatcatg ctcgaggaaa tgcagaccgg aatcacaagc 300
 gttgtcctgg taagtacacg gaagtttcct tctaataattg tttactgact tgactaggct 360
 attgttcaac gcctcgaggc tgaaatcaag ccgcaggccg accgtattat gcaaatacctg 420
 ctccaagtcc tttctactgt tcctccgaag tccagcgtgc ctgacgttgt gttcgccact 480
 gttggtgcca ttgctaattgc cttggaggag gagtttgta agtacatgga gtcttttagc 540
 ccgttctca acggtgccct tggcaaccag gaagagcccg gcctttgcgc catggccatc 600
 gggctggtca gtgatatctc tcgtgcgttg aatgagaagc ttttgctta ctgcgacact 660
 ttcatgaacc acctgatgaa caacttgagc gtaagaaacc tttcttatat tcaatgtacg 720
 aatcctaaca tgatttccag agcgccacca accagctcaa gccagccatt ctngaaactt 780
 ttggggacat tgaacaagca attggagagc actttgataa gtacttgacc gttgtcggtc 840
 agagtttgtc 850

<210> 22003
 <211> 507
 <212> DNA
 <213> Aspergillus nidulans
 <400> 22003

tctgccaaag aactcacttt caaggagggt gccgagcaca acaccaagaa ggacctgtac 60
atggtcattc acgacaaggt ctacgactgc agttctttcg tcgatgagca cccgtacgtc 120
tcacgtatct tccagctttt tgatgttcac cgcattggac atgccatgga ctgatttggt 180
ataattatag tgggtggtgag gaagtcctcc tcgacgtggg tggtcaggac gccacagagg 240
cctttgagga tgttggggcac agcgacgagg ctgcgcagat cctgcagggt ctctttgttg 300
gtgacctgaa gcgtctggtg cgttccccct gtcattgtgc ttggaaacga tcttttaaca 360
atatttgtct attagcccg cgacccact cctaaagttc acggttcac ctccagcgag 420
tcttcctcct ctagctccag taccggcttc ggcttcggtc tctacgcgat ccttctgatc 480
ggtagcgctg ctgcctacgc tgcctac 507

<210> 22004
<211> 311
<212> DNA
<213> Aspergillus nidulans

<400> 22004

gcgcctttgg gtacagccca aactggatga ccaactttgt cgtcgtggaa tatactccca 60
tcgtttttca gaatatcggc tggagatttt ggatcgtctg gacaatcttt aatgccggct 120
tctgcccgt catttacttt ttatacccgg aaaccgcaa cgcacgctg gaagacctgg 180
attcttatta tcgtactaac ccattccctg ttgttacagg ggacctgat gcgacttgcg 240
tcaagcggcc gctcaaatat atccagcatg aggatgagga gctgcagaag aatgcaaagg 300
ggatatcaat g 311

<210> 22005
<211> 558
<212> DNA
<213> Aspergillus nidulans

<400> 22005

tcactctcct ttgggcgaac ccctgctgaa tagcggctca agcttcacga agtttgcaaa 60
cataatcagt ccaccgattg ggggtccgcaa gagtaaatgg aacctcgggg ccctgggtccg 120
caagctgaac ctgagctcgc tcgtccacca cagctctccc agcctaaccg caaggctgct 180
gggcccagatt aaagaaaact tggaagtctt catcgcaccc agggcttcat tcgccgtaaa 240

cagcctgccg tcaactcgca aatgttccag actccgtcat ctagacctct cgctcgtggc 300
cacacctatt cccttccagg atctcagaag aagtctaagc aacctcgtca atttgcaaac 360
ccttcgcctt cccagtcaa cttccatcac aggacacagaa tcgttcggaa taccttggcc 420
ccagaatctt cgccgtgtcc agttcagcgg ccacttttcc gctgaaccaa tgcgatcgtt 480
ccactggccg acatctctca caagcctcac tctgaagaac tgctccgacc tctctctcac 540
aaatattagc agccttat 558

<210> 22006
<211> 428
<212> DNA
<213> Aspergillus nidulans

<400> 22006

gatggttctt ttaagttaga agtactctta gtggtaaata tcttaaattc gaatgtaagt 60
tggaatatc tcaaagacaa acagatcata aaggtttttag taatcaggag tttttaaata 120
aaattgctga tttctttcac actgaagtta aagaaacaag attaaataga tctactccag 180
agtatagagt tagaactact aatttacaag gtaataatca agcaaagagt tattttatta 240
aatatccatt gtttggaaact aagtatttag attctataga ttgaatgaaa gttgtagatt 300
tatttaataa tggatgaacat aaaactgaat taggtaaaga aaaaatttta aatataaaat 360
ctaatatgaa tgataaaaga actgttttta cttgagatca tttacaaaat ttttacaaat 420
tgaaaata 428

<210> 22007
<211> 352
<212> DNA
<213> Aspergillus nidulans

<400> 22007

atcggccctc aagcaatact tccgcaaact acccatgcct ctcatcacgt acgacgttta 60
cgaaaaaatt atcgaaacag gggagatcac ttgcactct ggtcgtgtcg aagcgttgca 120
aaagagcctc ggagagttac cgcgtgttca tcaggatgtg cttgagttcc tcgtgtttca 180
cttgaagcgt gtcgtggaac gggagaaaga aaatctgatg acaagccaaa acattgccgt 240
tgtcttttgcg ccgacaatca tgcggccaca gagtctcgca cgagagatga cggatgttca 300

aaagaagaat gaggtgggtca agttcctggg ggataattgc caggaagttt tc

352

<210> 22008
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22008

ggcgaagggg ggagtatata ctcttattc tggacggcca tggaagccac ttgaccccg 60
cctttgacac tacatgcaag gataataaca ttatccccgt ctgcatgcct cctcattcat 120
ctcacctcct gcaacccctg gatgtgggct gttttggccc cttgaagagg gcatacagat 180
ccctgattga gcagaaggca cgcctaggat acaaccatgt tgacaagctt gattttttga 240
aggcttattc agaagcctat aagaaagtct ttacaataga gaacattcaa agcggattca 300
gggcaactgg gttacatcct ttctcacctg ctgcagtact ggataagctg cagttaagac 360
cattgactcc tacaccccc cccaagcag aggtactgct tcaatccct cctctcaact 420
ctgtacgcct catacagtcc gtcagggtga tcgaaaagct tcatcagtca aaaagcttct 480
aaaagagggc tctaggagtc cttcaagccc ctcaaaacag gcgctggatg aatttgtaaa 540
gggctgtgag gtggctatctt acaatgctgg gttgctggca caggaaaaca aggatctccg 600
tttatttggtg gcagataaca tggcaaaaaa gagtcgttct aggcgtctaa tgactcctac 660
agatggactc tcatttaaag aagccaggga ccttatttcg ttgagaaata atgaattaca 720
agctgggtggg gggggttcaa gctccagtac cttccaact tcggagagac ttaggcgcgc 780
cccccaagg tgtacaaatt gcggagtaca aggcataaa agaacaagct gtaaggttcc 840
gaatcatcct 850

<210> 22009
<211> 846
<212> DNA
<213> Aspergillus nidulans

<400> 22009

tcagccagga tgtccgcct cgccggteat tccgtccat catctgggac acagacacgc 60
actttaagac ccccaaagag cggcaccttc tctaaaact ggatattgca atgctcagca 120
ttggatgcct gggcttcttc atgaaatacc tcgaccatgg aaacctctcg aacgcgtacg 180

tctcaggcat gcaagaagcc ctctccatgt tctggcaacga atatacctat gcacaaacaa 240
 tgtacacaat cgcatttgct ataatgcaga tcccaagtac actgatcatc cagcgtgtgc 300
 ggccggagtat ctggctcgcg gccatggaaa tctgctgggg cgcgttcacg tttgcgcagg 360
 ccggtctgaa gtcggtatct gagctttatg cgttccgatt cctggttggg ccttcgaaag 420
 ttcgtttttt tctcattgc tttacttatt ggggagttgg tatacaaaga ctgagcttgc 480
 aaaacgcgtt gcgctgtttc atctgacggc gccctggggg cggcttttgg cgggtatcta 540
 caggccgcgc tctacgagaa tctggatgca gtcatgggat tgaagggtgg atatggcttt 600
 atattgtttg tggttgcatg actgttccgg ttggaatagc aacgttggtc attcttcctg 660
 acacgccgta taacacccga gtttgttttt gaacgaaaag gagagggatc ttgctaagga 720
 gagggtaacg agagcgggaa aggcgccgcc ggtgagggtt acgttaggca caatcaagag 780
 gattctcgga agttggaagt ggtatgcgtt tgtgcttggg tatgtgggtca gtactcattc 840
 ctattg 846

<210> 22010
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 22010

tttacagatg gagaaccaga ttgttgtgaa cgactaccgc cagatggaca agattctgaa 60
 ggaagagcgc caatatttgc tcaacatggg caagaagatc caaaagacga agtgcaacgt 120
 ccttctaata cagaagtcca ttctgcgtga tgctgtcacg atctttatct acacttactt 180
 tcccgattaa gattctccgc ctcaagacat tgacgtgacc agtcgagttc ctgtgcagag 240
 tttggctgca tgcccgtcgc caacgtcgat tcgttcacgg aggacaagct tgggaccgcc 300
 gatctcgtag aggaagtcca atcgtctggc gctcgtacg tcaagattac cggcatcaag 360
 gctcccgcca ccacggccaa ccagactgtc tccatcgttg cccgcggtgc caacaacctc 420
 atccttgacg aggccgaacg ctcgcttcac gacgtctttt gcgtcatccg ctgcttgggtg 480
 aagaagcgtg cccttatcgc cgggtggcggg gccccgaat cgaagtcgct aacacccttg 540
 caaagcgcgc ccgggaactg actggcacag agtccatctg ctggaggcat ttgccgaagc 600
 catggaagtc atccccacca ctctcgctga gaatgccggg ctcaactcca ttaaggttgt 660

cacagaccta cgacaccgcc acgcccgaag ccagcagaac gctggagtca gcatccgtag 720
 cggtggtgta aaagacgata tcaactgagga gaacattctg cagcctttgc tggtagcac 780
 cagtgccatc gaactggctg cggagacggt taagatgatt atgagaattg atgacatcgc 840
 cctttcaagg 850

<210> 22011
 <211> 706
 <212> DNA
 <213> Aspergillus nidulans

<400> 22011

aattaacccc ttactaaagt ggatctcatt aggtgtgaag acgaactgac cctctttgcg 60
 ccgctcggat gcggggttca gacggggatg ggagcgatcg agaattgtggc aaagcccgac 120
 gagaacagcg tgcttgtcgt tctgggactg ggaagtgtag gccttgcgtc gatcatggta 180
 ctgttcttcc cctccctctt tttagaaaca tgggactggt ggaagtgatg ctaataagtc 240
 ggacagacgg cattgatccg tccgcacagt gccatcgatc gcgtcgacag gctccctggc 300
 cgtctggaac tcgcaaaga gctcggcgct acacacacaa tcgatacttc gccgcctgga 360
 ttcaacctgc aaaagacact ccttgagatg tttcctagtg gactacacca tatcgatcgc 420
 acaacggggg ctctgtgtct catcgaggat gggctgcgat ctctcaggca gcgcgggaag 480
 attgttctga ttggcgtgcc gccgatgcag tacgagctgg ggattggggg ggttcagcat 540
 atcaatgtat gtttgccta cctccgagaa atgcggactg ggaatccctg tggatatcac 600
 ggtgatatgc tgacggcagc agaccggcag ggctattgtt ggggtgtattg aggggtgtctg 660
 tgttcctggc gaggtgagcc cacgacggct gcacaggccc tgtcaa 706

<210> 22012
 <211> 489
 <212> DNA
 <213> Aspergillus nidulans

<400> 22012

aacaactatg ctaacactat caataaaggc aggggagcat tgctcttata cgttgttggc 60
 ggcaagttgt ccgagggat caacttctca gacaaattag ggagaggtgt cttaatcgtc 120
 ggtctcccggt ttcccaatat acgtagcccc gtttggcaag ccaaaatcaa atacattgag 180

caaaaggctt accgaaacgt cggatctggc tccgaagaaa gtcggcgatt gtctgccaaa 240
gccgccggga gagattttta cgagaatgct tgtatgcggg ctgtgaacca atgtattggg 300
cgagctatta ggcaccgcaa cgactatgcg gccatcgccc ttattgacaa gcgatatggg 360
aaaactagca tcgaagccaa gctgcccgga tggatcaaac aaagcctagt gaaagactcc 420
gctcttttgc cagcagcgac aacgttagat gggcttgcgt gtttcttccg cagcaaaaaac 480
cactgcggg 489

<210> 22013
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 22013

gcttctgctc atcgcccggc ctgaagcaaa gaaacttagc ttggcctttg tttgcttgat 60
gatatcttcg gcaataacaa tgtctcttcc cttttctatt ggcaaaatta tcgacgcgtc 120
tacgaagaca tccgaagatg gtcagttttt gttcggactc agccctacca tgttctacgg 180
tgctttggcc agcattctcg cgtttgggtg cgctgcaaac tacggtcgta tcataattct 240
acgaatagtg ggagaacgta ttgtcgccag gaccgcctcc aagctttttc gccagacttt 300
cgtacaggat gccgagttct ttgacgcgaa tcgcgttggg gatttgatct ctcggttag 360
ctctgacacc ataattgttg gaaagagtat aactcagaac ctctcagatg gactgcgggc 420
cggcgttagt ggcgctgtgg gctttgggtat gatggcttat gttagtctca agctatctag 480
tattctggca ttgctgcttc ctccaatcgg cctgggagcg atcttttatg gaagggcaat 540
caggaatctc agtcgcaaga tccagaggaa cctagggacc ctgaccaaga ttgcggaaga 600
gcggttggga aatgtaaaaa ccagtcaatc atttgccggc gaaatcctcg aggtcaaccg 660
atacaatacc caagtgcgga aaatctttga actcggaag aaggaatcgc tgataagtgc 720
aacattcttc agctctgtaa gtccactgct atcaaactctg catacttcgc gcaaataaaa 780
aaaaaaaaa ggctgacagt ttcttagacc ggacttatgg gaaacttgac aattctggca 840
ctgctgtatg 850

<210> 22014
<211> 850
<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 22014

agcctgcgta tgcattggcgg acaaagactt nctatggcaa taagccttta actgcaacca 60
agaccatgga atccgaagag tcttccttga tgcgctggaa ccatttattg ttgaagggac 120
agtggtagct ttaccacogg atgccgtcaa agccttgata aaccacttcg tcgtcaccca 180
taccgctagt caactggaag agatactctg tttgcttgac actagcacga tggatattga 240
ccaagtcaca acattgtgca agcaacacaa cctctatgat gcatttatat acgtttggaa 300
ccgatgtttg ggggattacg tagggccctt ggaagagctg atcaaattga tcccttttca 360
acagtccata gccaatgggg attccgtcta cgagcccaag gattttacga acgcgatgaa 420
aatcttccca tatctctctt tcattctcac gtcacgctca tatccgacag ggagcgatat 480
ggatgacacc gaagcgtcac gagcaaaggc agccttgtag gactatttgt tctctgggac 540
tcgtggatcc atctctctc tggaagttct gctgaagttt gacacgtcta gcttcatgag 600
catgctaaac gaagcgttcg aagatagctt tctcaatgag caagatccgg acgaggttcc 660
tcagcaacgg ctgtctttca accgacagta tttgattagc atcttgctcc aaaccatgac 720
atcaggctct ttcctgcgt ccgattctat atatctggat atgttcatcg ctgcgaatct 780
acctaaatac ccgcaataca tctctcttcc cgggagcact ctccatcaag tctcgaacg 840
agttgtgccc 850

<210> 22015

<211> 850

<212> DNA

<213> Aspergillus nidulans

<400> 22015

gaccggcgag acaatacaac atcaaagcga acctcccgtt gacgacttgg agaatttaag 60
tttaaattggc gacagtgcga cgaatggaga taccaaggac ttggggagca cacctaattg 120
cactgcggga gagtcaacga caccaaattc tgcttcagca tcagcatcaa tttcatcagg 180
gtcatcgctg ccgagcgcaa cgagcacaac cactcgtacc aaaaagccca accgacaaaa 240
agcgcgcttg gccagacgag ccgcagaaca aactgcggcc gcagccgcag cctcagagga 300
agcctctcag ctaacgaacc atcgcgggac cgaacaagag gcgatggacg cggccttcaa 360

gaaactcaac gtgaaagaaa tcgaaataaa cccagatggc cactgcctct tttccgcagt 420
 cgcaactcaa ctagacgaac tgggcctagg actgcgccct gatccctcac gcattgtcat 480
 aggaccaca actcagacgc ggatcgatac agtcgcaagt cccaaacacg acgggtatag 540
 ggccgtgcgc gcggtgacgg cggattttat tgctgaacac aaagatgaat tcgaaccgtt 600
 catggaggag cccctggagt cttacacgcg gaagattaag ctcacagcgg aatggggcgg 660
 gcagttggag ctgcaagcta ttgcgcgggc ttatggggtg gatatcaatg tcgtgcaggg 720
 cgatgggagg attgagaaaa ttgaggctgg ggatgttgaa gaggaggagc gggcgaaacg 780
 ggttatctgg ttggcttatt ataggcatac gtatggactt ggggagcatt ataatgcttt 840
 gacggcgaag 850

<210> 22016
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22016

aaatgcaaaa cccaaggaga atatcgctcc cgatgtcgcg gaacaagaaa acaaggaaga 60
 gaagtcttca ggctcggata acaacaatca gccagagaca aagcgattgc gattagaaga 120
 agagccggaa cccgttgctg cagacttggt cgaaactgcg caagagcgcg agattgcagg 180
 atctgcaggg cttcaagctg agaaagaagc aggcccagtg gtcttggtccc accagggtccg 240
 gcatcaagtc gccattccgc cgaagtatcc ttacgttcca atctctcaac acaaacctcc 300
 ggagaacccc gcgagagtat ggccggtttac gctcgatcca ttccagcagg ttgctgtctc 360
 gtcgattcag agaggagaaa gtgtgctggg atcggctcat accagtgcgg gaaagacggg 420
 ggtcgcggaa tatgctattg ctcagagttt gaagaacaat cagaggggtca tctatacaag 480
 tcctatcaaa gccctgagta atcagaaata ccgggagttt gcagcggaat ttggcgacgt 540
 tgggtcaatg acgggtgatg tgacaatcaa ccctactgct acttgcttgg ttatgacgac 600
 cgagattctg cgggtctatg tgtatcgcgg ctccgagatc atgcgcgaag tcgcctgggt 660
 tgtcttcgac gagattcatt acatgcgaga tgctagtaag tgtgtcaaaa ggtcgcaaga 720
 gtacagtcac taaatacggg acatagcgcg aggtgttggt tgggaagaga ccattattca 780
 actatccaga taaggttcga tacgtatttc tgtccgcaac aattgccaag gcgatgcagt 840

tcaccgaatg

850

<210> 22017
<211> 705
<212> DNA
<213> Aspergillus nidulans

<400> 22017

gttaagcctg agatgagagc ggggtgcagat caaaacccgc tgaaacggga caagagcgag 60
gacgtaagcg atagcgatga gagcgaaaaa gtacagccca gcaacaagag gggcgaaaaa 120
tcacgaggca aaactccggc caaacgcga attgattctt ctctgaaag cacgaaaggc 180
cgaaaatccc aagtcaaaga gcctacacca gaaattgtgg taaaagcatc tggagaggaa 240
acaccagagg atcctgacgt ttcagaagcg gaagaagaag gactatctgc tagcgaagat 300
gaaacggata agaaacctga attgaagaaa aaggagattg aaaaagttca agcaactata 360
aagggtagcg ggaacgatcc gtatcctgac tggcagcctg gggagcctgt tccatacgct 420
gctctatgca ctacattctc tctcatcgaa atgacaacga agcgacttca gatccttgct 480
cactgctccc ttttctccg acaagtcctt cgtcttactc ctccaggattt tcttctacg 540
gtacaattaa tgatcaataa gcttgccgct gactacgctg gcatcgagct gggcattggc 600
gaatccttga tcatgaaggc aattggcgaa agtactggcc gtagcttggc tgctgatcaa 660
agcagaccag catgaaatcg gagatctggg cctgggtgcg gcaaa 705

<210> 22018
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22018

tttatttatg gtgcccttat tctcttcagt gatcggatc aaagtgaccg agtcgtccca 60
gttgaacggc acatactggc gccagaatct ggagtcacca gtccgcttcc tgacagctgt 120
tcaggccgta ctcgactcag aggaggaaaa aagccgtacc ttcttggaga ttggaccaca 180
ctcagctctg tctgggcccc tccgacagat tctgtcagag caccgcgcg ggaaagtgtg 240
ctcttatgtg gcatcgcttg tacgaggaga ggatccaaga acttcagtcc tctacactgc 300
cggaacctc tacaactccg gcgttgctgt gaatcttcgt gctataaact gcgagggaaa 360

catgcttgtc gacctaccac cttaccctg gcaacatgat acgagatact gggaccagac 420
gccagcgggtg gaggcctgga gactacgcaa gcacccccat catgagctgc tgggctcacg 480
ggtgttgggc tcaacagaca tagagccgtc ctggcgaaat aacctctcac tggatgatgc 540
tccctggcta tatggacacc ggattatggg caagactctg tttccaggcg ccgatatat 600
tgccatggcc ggagaggcta ttcagcagct ggtatctagg ccaaagtga gttaccagat 660
cagccacctc gtgctaaaac acgctctttt tctggacagc aacgagtgtg tagagctcat 720
caccaaccta cgaccagtcc ggatctcgga catccaggac tcagaatggc atgagttctc 780
tattactgcc gtgcaagctg gggaggcgac acgactctgc ttgggtcaag tcagagtagc 840
cccgccgtca 850

<210> 22019
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 22019

accagggctg aatacatcat acttgcttcc cacacagata aagatggggc ttggaaggct 60
agggttagtg tcgacgttac aacatttgcc gatctgaagt ttccgcccaa tgcgtgcca 120
gctcaaaatc tatacaccct tgttgacgcc tctgagcacg ccatcttctt gtatgtcgga 180
gggagtaata ataccggctc attgataaaa agtaacagca acggcacaac atatgtcctt 240
agtttggatg ccgtgaacca aaacgactgg ggatatgttg atttcgagag aatgcaggct 300
ttggagggtg tcataattgc gaatattgtc agcaatgttg acgagctttc cgacggagca 360
cccaagaggc tgaggacaat gatcactcac aatgatggtg gtgagtggac attattagca 420
ccgccaacca aggacgccaa tggcaagaag ttcccctgtt ctgttgttga ggggaaaggc 480
actgaagatt gtgcgcttca ccttcacgga tacaccgagc gcgcagatcc gcgagataca 540
ttttcctccg gttccgcgat tggcttgatg atgggcttgg gcaacgtggg ggatcggcta 600
accagcaaag atgaagcaga caccttcttg accatggacg gtgggatcac ctggaagtcc 660
gtcaagaaag gtagatatat gtgggaatat ggcgactcag ggtccgtaat tgtgatcgta 720
tctgaacaga agtcaacaaa agtcctgcat tacagcaccg acgagggcgc cacctggcag 780
gactattatt tttcggatga ggaaattgag gttattgata tctccactgt accctcagat 840

acctcaaaga

850

<210> 22020
<211> 679
<212> DNA
<213> Aspergillus nidulans

<400> 22020

cagtatcata tctcacattg ttttaacttc gctgaccgcc gacgctcgca ggatgctgaa 60
attgaccgca ttcgaaaagc atttgttctg gatgcgtaag gcctcccatt ggcttatcta 120
gcataccagg aaactaatgg catacgacac cagctacgcc gtccctcgatc tacaacccgg 180
agtaacagaa aaggatatta aactccaata ccgaaagaaa tcactactca tccacccgga 240
taagacgaaa aaccccgggc cccagatgc cttcgatcgc ctaaagaaag cgcaatcggc 300
gctcatggac gagaacaac gcaactacct agacgaatgc atcgcggatg cgcggcgact 360
ccttattcgc gagcaciaat atacactgga ctcaccggaa ttaaagacag aagaattcaa 420
gaaggagtgg cggcaaaaga ctgttcaggt gttgctggag gaggaagcgc ggagacgaag 480
acaggccaag gcgaagctac aagaagaggg acgagagagg cgaaaggaag agcaggaaat 540
tgaggagcga aaacggaaac gggaacagca gcaggcctgg gaggatactc gcgaacagcg 600
tattgggagc tggcgcgatt ggcagaaggg gcaaaagaaa gatggtgaga agaagaagaa 660
aaagatgaag gtattaggg 679

<210> 22021
<211> 572
<212> DNA
<213> Aspergillus nidulans

<400> 22021

tgtttgtggc ataccagatt ccgcacaaat ggacttacac aggattgcaa ggcgccgtcg 60
tcttggaata tgacttggtc gggcgcacct attggttgaa gttggtggat gtatcggtaa 120
gtgataaatg atggtttcga ggatcacatt ttgacgtctc gtgtctcttt ttagcctgc 180
tggaaggggt gtcatttggg accaggagat atacgagaac ttccagtaca atcaagaccg 240
gacgttcttc cacactttcg agcttgacga ttgccccgcg ggtctatcct tcgcggtatga 300
gaaagaggcg aagacgttca ttaagaaaat gtcggagcgg gagaagaatg caagcaaaga 360

gacccgccag accccttttg catcgacacg aggacaaggt cctacacccg tagcgaacgg 420
 aaaatcccac ggcgtaggtc gttcgatatt cggcagcctg ctgggacggc cgagtgcgcc 480
 aacacacata acgcccgcgg agtccccccc tgcgcctact attcaagtcg ctccaccacc 540
 ccctgcgccc gcagctaccc ctccacgcaa ag 572

<210> 22022
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22022

gacaccgcaa gggcaacgag gaggatcttt tcgaagcact tcgatgtctc ggccaggggt 60
 tgcataccct tgaggatttc gcagcgcaca caaactactg tgagcttgcc ctccgggaga 120
 tgggcttcca caatgtgttc ccgcacaccg gcacccagac ccagatgaat atccgcggcc 180
 atcatgtcta tccgttggtc acgggaactt tcggcatggt tgacttcttt cattcgggtcc 240
 ttggagaggc gtcggatcat ttactcagt cggagattaa tgagatggat attgcgcttg 300
 gagatgcaca atcgagctcg tccgccaatt ctttgaactc ccttacaggg cttttaggga 360
 aggttccggg atgtggtgat ctggtcgctg aggagaggc actcaaacgc cgttcagaag 420
 cccagcagtc ttcaaacagc cgcagtggcg ctgaccttgg ctacgcgggt ggccagttca 480
 ctcgctcggt caacgatgac tcggagcaaa gccgtggcgt gcacgagcag agcagggcag 540
 atgcaccgtc aggagctaac aagcccaccg gcttacctgg aatgccagat ttttaaccag 600
 cggaaccat tgcgaaaatc taccctatcc tcgaattccg tgacaaggtc gtccgaaagg 660
 tctcgtcaat catagagaag attcccgggt tggaggccct cgtcgagaaa atcaccgaaa 720
 cgttgacagt cttcattatg tctttgcttg ctctttcat ccgcacatat tactaccct 780
 gcctccaagt cctacaaaac cggaacaaaag gcgtgattga atcttcggga aagcatcagt 840
 ttgaaccctg 850

<210> 22023
 <211> 522
 <212> DNA
 <213> Aspergillus nidulans

<400> 22023

gaaccgactt gatcatactg acattcggca cgcaggacgg acgagagcta gtttcgaaac 60
tatacattga ctttcccctc aaccgcctct tctaccggca gatggaggac ttcttagagc 120
gacttacgtc caagttagac ataagccagg gcgtgatcaa gatcctcgaa atgggtgcag 180
ggaccggagg aacgactaaa tggcttggtc ctttgctggc gaagctcaac ataccggttg 240
agtacacctt caccgatatt gccccgtctt tcgttgctgc ggcgcgcaag aaattctcca 300
agcaataccc gttcatgaag ttcagaactc acgatatcga aaaggcccct gcagatgac 360
ttatcgggag ccaggaacgt attattggca gaaacgcagt tcatgctacg catagcctta 420
gtgaattcgg aaagaacatt cgcaagggcc tgcgggctgc cggcggttctg ctgatgcttg 480
agatgacagg gacactccac tgggtcgaca tttttttcgg gc 522

<210> 22024
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22024

cctcaaaaca gatgtgatta agagccgcaa tcgagtcaaa actgcaggcc agggaccaaa 60
gcgcaaagtg agtcctcaag ctgaggtttt ctcaggcctt ctgcaoctta tcatgcggat 120
agtggtcgct aatgctcaag tgtgtgcaat agtccggtag cgcagtcgac ggaaatgggc 180
tttctcttct gagatcgga gctggcacc ctcctctggg ggtttcgcag ggatatcgtc 240
gcgcgtcgcg taagatgtca cccggacatt cagaccgatc caattcccca gtgcctccga 300
ccgatgctca cggactttcc ggcttgacc aggcggctgc gcagtcttat tacaatttca 360
acattgcgcc ccagcttttg ttcgacagt taacggccgg agaccacacg agtcaacttc 420
cttccgtcca gcttcgtatg ccttacccta cgagcccgc cgcgcgggta gaccgccatc 480
atgagcctcc ggagacatac gaggacctcc tggcggcaca acacgttctt gaagactcgc 540
gtctgtgagt tagacctcat caatgggctc tttaggggtc gcgtcgcgga acttgagcaa 600
agcgacgcaa ccgcgcgacg gggcgagatg attcttctcg actgagatgt gcgtctgcag 660
gcgttccctc gatgacgctc agcgaaggga agaggagctc aagcggcgta tagccgagct 720
ggagcgccag cttgccgaac ggactaatgg tgcgaatacg ttgcaggaaa accctcttga 780
gccgctagcc aagagaatga aaactttccg acgtgggtgg aacatgaatg ggaactcacc 840

ggggcaaatc

850

<210> 22025
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22025

gtctcgcttc cgccctcagc cactgtcgcg ccggttcaat gattcagttt cactgatttc 60
ctccacaatg tccacggggc cgcccgtttg gccggctcag gacgaacaag agtcacaacc 120
ccctgctgaa acccagaccc gtgcccgcag gtcgcgtaga aagaaggacg acgccgttga 180
gaccgatcgg aaggaaccta caaagtcggc gagatccagg gataaggata aagacaaaga 240
gaaggacagg gacaagggaa aggaccaaga caaggagaaa gagacgaagc ggcccagtcg 300
ccgcccgcga gacaagtctt cgtctacctc caacaaccct acttccaccc agtcgaatcc 360
ccgcaaaaag cccaagttag agggtagccc gccgaagcaa agccctgacg cgccccctgc 420
cgtttctgca gcagtctcga cagcttcaga ctcggtccca gttcttgcg acacgaccac 480
tgtttcgggt cctactccgc ggctagtcc cccaagtga cctgcacgc ttccggcgaa 540
tcactctgag cttccacctc aaccgcagat gacccaatct cgtcatctcg atctgacctc 600
tcagttgatt cacccttctc aatccgctac tctccaagct tcggctccta caacgtcgcc 660
gccatacccg atgatggat ctgcgcgcgc ttcccgtccc caatctcagc cattggggacc 720
accccctcag cgaagagcgg tcaaaattac gatcctataa ggtctgcatt tggcacgagc 780
tcgtcgctg ccgcaccgcc tccagctcct gcgtctactt ctttcagtcc tccggcccgt 840
ccaatttcgc 850

<210> 22026
<211> 654
<212> DNA
<213> Aspergillus nidulans

<400> 22026

ggacttgata gctgataatc ttcttcagcc attctttggc tcccttggct gcacttcagc 60
cattgttttc acttgctttg gagctgctta tggaaccgct aaagcgggtg tcggtgtctg 120
ctccatgggt gtcctccgcc ccgacctgat tgtaaaagt acgttagaac ccggcggttc 180

agcgaagcat aacgctgaat gagcttatta gacatcggtc ctgtcgatcat ggctgggtatt 240
atcgggtatct acgggctgggt cgtgtccgtc cttatcgcaa acaacctcgg ccagaagggtt 300
cccctctaca cagcgtttgt ccagctggga gctgggtcttg cggtcgggtct tgctgggtttg 360
gctgctgggt gtgtatacat gctaccagat tcgcattcat gaagctaacc ctccgaatta 420
agtttcgccca ttggtattgt cggagacgcc ggtgtccgcg gaacgggtca acagccaaga 480
ctctacgtcg gaatgattct tattctcatt ttcgctgaag ttctgggtga gtaacagacc 540
tgggtagtgt ctcataatga atcatattaa tcttggttct cttctgttgc aggtctttac 600
gggtctcatcg ttgcccttct catgaactcc cgtgccaccc tcgaggccag ctgc 654

<210> 22027
<211> 594
<212> DNA
<213> Aspergillus nidulans
<400> 22027

catcattgcc actggtacac tcttgtgagt aggtgctgtt gtaacgaaaa acatccaact 60
gatccgccag gttcggctat gactcggctt ttgtgggaac taccattgcc cgccaaagct 120
tcgttgatgc cttcaacatc gtcgagtcgg aggcggcgga tatttcaagc aatatcacgt 180
caacctttca ggccggcgca tttttcggcg ccatcttctg cttcttgctt gagtgaagcc 240
gttagagacg gtctcactgg ctaaccggac caagtaccg acaaaattgg gcgtaaattgg 300
gcccttcagg caaacacact gctgtttctt attggcgcgga ttgtgatgac ggctgcaaca 360
catcaccttt cctatatatg taagtcatat ccccgtagta gtcaagggtt ttaactagag 420
cagatgctgg acgagctctc accggcatcg catgcggcgc tatcaccgcg accgtcccca 480
gctatattgc cgagctgtca atcgtgtcga tccggggctt cctcaccggg ttcttcgaag 540
tcgcatacca gattggtagc ttggttggtt tctggatccc tttagggtta attg 594

<210> 22028
<211> 500
<212> DNA
<213> Aspergillus nidulans
<400> 22028

acttcgggaa ccaagaccct gacagtcccc atcaccttga ccaaacactgt cagcatcacc 60

acgacctact gtgaggacga gaccaggcca cctgtccacc cgactgcgcc caccactggg 120
aagcctgctc cccctgtcac tggcaaccca ggtccgactg gcaccccagc cccaactgga 180
aagcctgttc ccaactggcaa gccactcct ataccactg gcaaacctcg tctgtttcca 240
acaggccccg tgaacaacgg caccgcgcg cccaaccctc cgttccagaa cagcacttcg 300
ccgcctctta ttccgactac gagaccggt cccgtgcctc ctggctcctc cccagctccg 360
gtccctgttc ctgttccggg tcccagccct ggtcaacccg aacagcctgg taccctgcc 420
gccccggag ggtccgccac tcccagcatt cctggccagc caggtacccc atgcagcccc 480
tggaggatca ggacacccccg 500

<210> 22029
<211> 850
<212> DNA
<213> *Aspergillus nidulans*
<400> 22029

ttctcctccg gttacgctat gccctcagtc tacagcggca acgcgaccct cactcagatc 60
tcgtcgaccg tcaactgccga caagtccgag gtccctcttc gttgcgaaga gtgtctccgc 120
tgggaccacg agggcgtctc cggtagcgcc acgacaagtg ctgggcagct gatcctcgcc 180
tgggcgcagg ccgaggagtc tcccacgaac gcggactgcc cggatgacct gagtctggtc 240
cagcacgagg cgcaggggat ctgggtagga aagctgagcg gcgacgctgc aacctccaac 300
tacgagacat cgggtgcgct cgcgaccaac gtctcgacg ggacttgagg tactgatggt 360
ggcggcgggt gtgataatgg gaacgggacg acccagcg tgccctgtccc taaaacgtc 420
acgtacgact acatcatcgt gggctctggt cctgctggaa tggtccttgc cgaccgactc 480
agcgaagcgg gtgcaaagac cctgcttacc gaaaagggcc caccctctat cggactctgg 540
aacggcacca tgaagccaga ctggcttaac ggcactgatc tgaccggttt cgacgtgccc 600
ggtctgtgca acgagatctg gaagaacagc gatggcattg cctgccccga taatgaccag 660
atggccggat gcctcgttgg cggcggcacg gcagttaact caggtctctg gtggaagcct 720
tacagcaagg actttgacga atcgttcccg gagacttgga agtacgacga cgtcagagat 780
gctgtgacga gggctctcac gcgtatccca ggcaccacga cccatctac cgacaacaga 840
ctctacctcg 850

<210> 22030
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22030

```
gaactgacgt atatggcttt ctacggtcgc tacatcatgt taatgatggg tatcttctcg 60
atgtacactg gtctcattta caatgatata ttctccaagt ccttcaccgt cttctcgagt 120
tcctggaaat ggctgacaa tattgaacaa ggccagtctg ttgaagcgtc actcaagggc 180
agctaccggt tccccttcgg tctagactgg aactggcacg aggccgagaa cagtctgctg 240
ttcaccaaca gtttgaagat gaaaatgagt atcatccttg gttgggcgca tatgacctat 300
gctcttatcc tgcaatacgt caatgctcgc catttcaagt ccaaagtcga catcatcggc 360
aacttcatcc ccggcatcat cttcttccaa tccatctttg gttaccttgt tcttactatc 420
atttaciaat ggtccgttga ttggccggct agaaaccagt caccctctgg tctcctcaac 480
atgctcatct ttatgtttct gtcccctgga aacgtcgaag aggagctcta tcttggccaa 540
ggcgggtgtcc agctttgcct attgtccctt gccgtcgcac aagtccccat tatgctattc 600
ttcaagccct tctaccttcg ccgcgagcac aatcgtgcc gcgccctcgg ctaccgtggc 660
ctcggcgaaac aatcccgct cagcgccctg gatgaagacg gcgacctcga cggcccccg 720
caaagcacgg caagtgcagg cgaaggcgtt gccatgattg cccaggacct cgaagaagag 780
cacgaggagt tcgacttctc cgaaattatg attcaccagg tcatccacac gatcgagttc 840
ttgcctcact 850
```

<210> 22031
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22031

```
ctcagtctca tctggagcca attcttgtcg atgaggccaa aaagctcggc gcacagttcc 60
gcttctacac cgagtttgtg agcgtcacc aggacgagtc tggcgtgtcc accattctgc 120
gagatcgaga gtcagaaaag acttacatgg tgcgctcgaa ctatctactt ggctgtgacg 180
gagcgcgcag tgctgttgtg agcgcgctgg gaatcccaat tacagggaga caaatcaaca 240
```

cggcgttcaa cgtgcatatt caagccgacc tcaccaaata catcgctcat cgtccgggaa 300
 gtctcaattg gatcttgaat ccagaggctc cagactggtc cgctgtcgga aattttcgaa 360
 tgggtgcgtcc ctggcacgaa tgggttgtct cgatgcaccc ggccctogaag aatggcaagc 420
 gatttaccac aaccgaggca gatatcatca aacgtctgca ccagatgatc ggcgacacat 480
 caatacctat caaggtactc tcgacatttg aatggactat caacgaccag gtcgccgatt 540
 attggcagcg ggatcggatc ctatgcattg gagacgccgt tcatcggcac cctcccatca 600
 atggtttggg tagcaacaca tgccgtgccg atgcattcaa cattgcgtgg aagctagctt 660
 atgtcattaa aggcattgcy aagcctgctc tcctggagac tctcagcgtc gaaaggaagc 720
 ctgttggtga tggcattgtt cgccgcgcca acaccggcat ggaagcacat cggaacctgt 780
 ggtctatcat tgggttgact ccagaggacc ggcaaaatgc cttgtcattg ctttcagaag 840
 atagtcctgc 850

<210> 22032
 <211> 505
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 22032

cattaaagcc ttcagtgcc tgtgcaatgt ctctccgtta tgggtgacgt atctgatgca 60
 gcgaaacatg ggtgctgcta tcgacctggt tcagtttgtg catctcatct ggggtgtggtt 120
 tgccaaaacc ttctcgtccc cgacaccccg gcagacgatt gagtggacag caccgccggc 180
 attcgattac gccagttact acaactatct cctctactac tcgactatcg ccatctgctt 240
 cgcaactcta cagcccattg tgctgcoggt caatgctctg tactttggtc tggatgcaat 300
 gatgaaaaag tacatgctga tgtatatctt tgtgaccaa aacgaatctg gtggccagtt 360
 ttggcgtgtg ctcttcaacc gagtgggtgt cgagctatt tagtccaatg tgatcattgg 420
 ccttgtagca aaggcaagaa aaacctggaa catggtgtat tgtgtcgagc cgctccatt 480
 cctcatcgt cttccaagag tattg 505

<210> 22033
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22033

tctgcaatct cgagagtgat gatcctcgat tctgatcga tatctcatac gccaggcggc 60
tccaacagaa taatgttgtt ttatggtggt cctcaaccgc gaaaccagac cacgcaggat 120
acgagaagga tgacattact ggtccattgg agagggttgg catgccatgt gtcaatgttc 180
caggctctta tactactgtc tgtgttgagc tagagggtccg caacctcgcc attaacacca 240
ttctcacttc ctccatcatc aatgaagcgg aaggagccga ctcgcttcta gccccgtctg 300
atccgtccgc cgaaagtagc ggggtctggag ttctttactc tgagaaggcg tttgcatcag 360
ccggtgcggt tgtgctacgc gagatggtga agcactggtg gtcagaagcg tgtcaaggaa 420
ataacatggc cgatatcatg gtgcaacacc tgatccgatg ggtagagagc ccagcgtcgt 480
gcctttacga ccgctcgttg caccaatacg tgcggatgct gtcgagaaag tcttttcagc 540
agcttatggc tgaattcagg cgcgtcgggt caaatgctgt ctccgccagt ccgaccgcgc 600
tcttgctcca gacttccaag acagaggtag gcaacgccta tgcatacagc caatacgtgc 660
tgaagtcaat tcgcgccaat ccgtcattcc actttatcga tcttgatatac aaggaatact 720
gggactacct ggtctggtac gacgagtaca actacggcgg caagggctgt caggaagtcg 780
cagagacgga agaacagcca ctggaaaccg tcatgcactg gcagcttagc cgctttctcg 840
gggttctctc 850

<210> 22034

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 22034

agcagactca tcttcattat cggatcatgta tacatctccg gctcgaatac tgccctgtct 60
ctatgtttat tggacggcca ctcttctga accgggctgc ttctcgctcg tcgcccgctt 120
caccagaaac aaaaaacagt gacacccgcg cagtggccac tagtgtcatt aacaaccata 180
caaagcacgc tcagcagcta gttgattcct gcaccaagc tgctaaggaa gccctgaggc 240
tgtgcagtat cctgcaaaat aatgggctcg gcctcgctcg cgcttcgtat gctgagtaca 300
gttctgccc ggcattctta ttggcaactca ttgcccgctc aattcaaggc caatcgagcc 360
agtttcaggg tgaactgcac cagggcctgg agatgatccg cgagatggct gctgctgggg 420

actcggcgag atcggaagtg gcactcctgg agtcgcttga gcgcgcgttg acacgtctgc 480
attgcgcgaa tgaggcagat ggaaccgggc atggagatac gccaaagaaac aaatctggtg 540
ccgactatga gggtttcaaa cagtgggaaa ccatgtggaa gtctactggc agcaciaaacc 600
cagagaaaat gcacagccaa tggacccccg gcttgacatt atttgcgagc caaaatcact 660
tggatgagca cataccccag tcgctcgaaa ccggagtctc ctcttcaatg aagcataccg 720
aggatatgcc caacctacac tccccgtgct cctttgacgc actgcccttt gacaacggca 780
gcctgcccac tcaacctgag cttcgattct tgcaggagtt tctcgcaatg cccggataca 840
ggtttgacac 850

<210> 22035
<211> 850
<212> DNA
<213> Aspergillus nidulans
<400> 22035

cacgcatcga agaacgtcga tgacggactg aacatgtttg atggcagaga ccatttatat 60
ttccattccg ggtcaaaagg tcagcacgag ctatgggaca gccgactggt taactacgga 120
aaccatgaag ttctgcggtt cctccttagc aatcttcgct tttggatgga ggaatacggc 180
tttgacggtt ttcgatttga tgggtgtcacc agcatgttat ataccatca cggatttggg 240
acgtgagtca cgataatctc gatatTTTTT acaagtgtc accagtgtca gtggcttttc 300
aggcggatac cacgaatact tcgggtccagc agttgacgac gatggcggtta tgtacctagc 360
cctagcaaac gaaatgctgc accggcttta ccagattgc ataaccgtgg cagaggatgt 420
ttcgggaatg ccagcgttat gcctaccaca cggccttggg ggagtcggat tcgactatcg 480
tctcgcgatg gccattccag atatgtatat caagcttcta aaagagaagt cagacaacga 540
ttgggacatt ggcaatctcg ccttcacgtt gacaaaccga cgccatggcg agaagaccat 600
tgcatacgca gaaagccacg accaagcgta agtcctcccg tcttctgtaa cagacccaaa 660
tcctaacata acccagtctc gtccggcaca aatctttcat gatgtggctc tgcgattaag 720
aaatgtacac acacattgtc gtctgacag aatttaccac cgttattgaa cgccggatgg 780
cacttcacca aatgggtccg gtttggacac accccccttg tggccaatgc ttccttaatt 840
tccaaggac 850

<210> 22036
 <211> 420
 <212> DNA
 <213> Aspergillus nidulans

<400> 22036

ttctcatcaa tctcagcggc gatactgcta ctatacctat tgtgaggcta tgtccttgcc 60
 taggtaacta cgcggttctg ttcgtctcgg ccgtgcatgg actgacaagc gaggaagaat 120
 gttccgcacg ttttggtctga gctctcggca ttctatacac acgagcagct gcctagaatg 180
 ccgccatcag aagaattgag agacgagtct agagcatcac aggggcactc ggacgctggg 240
 gacgcagacg ccgatgcaga gaatgagttc gttagcaagc gcaggggtgca gctagcgagc 300
 gcgttagaac atgtgatctt caccgcgttg agggcgcgat tggttgctac gacacagtta 360
 ttgaggggtg ctgtgaaggc agcggacctg aagggtattgt atcgggtggt tgaacgatgc 420

<210> 22037
 <211> 683
 <212> DNA
 <213> Aspergillus nidulans

<400> 22037

aaaatgacta ccgatgattt tgagcctctg ctctgcttag gcaagggatc ctttgggacc 60
 gttttgctgg tgcgccatgc tctcacagga aagctttacg cgcagaaaca gttcaagaaa 120
 gcctcgatta cggttcacia gaaactcgtg gaacaaacga agaccgagcg cgcgattctg 180
 gaaagcgtga atcgacaccc cttcgttgta aagctcttct acgccttcca ggaccacgaa 240
 agactttacc ttgtcctcga gtacgcccaa ggaggagaac tcttcaccca cctcgcgatg 300
 gaacgcatgt ttgacgaaga cgctgcggcc ttctacatgg ccgagatggg cctcgcgttg 360
 gagcacctac atcagaacgt cggcgtgatc taccgcgatc ttaagccaga aaactgcctc 420
 cttgaccgcg aggggcacct ccttctgact gacttcggcc tcagcaaaat cgccgtgggc 480
 gacgacgacc gctgcaactc ttccctcggc acaatcgaat acatggcccc cgaagtcatt 540
 caaggcaaac cctatggcaa agcatgcgac tgggtgtccc tcggcgctct gggatacgac 600
 cttctcaccg gctcgccacc ctttaaggca aataaccacg cgaagctgca agagaagatt 660
 ctcaaacaga aactcgtcct acc 683

<210> 22038
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22038

```

ctgatgggtg tctcgtgagc catgaccggt tcagtgggct aaggggcac ctcagtggac 60
cagcaggtga gactcgtcaa attcatctgg gctgttcagt gctaactgcc cgtaggagga 120
gtcgttggct ttgctcggac ctcgtacgat gccagctctg gcaactccgt tgtgggcttt 180
gatatgggtg gcacttccac tgacgtctca cggtagcggg gcacattcga gcatgtcttt 240
gagagcaaca ctgccggaat cacgattcag agtcctcagc tcgatataca caccgtcgca 300
gccggcgggc gttcgatcct attttggcgg agcggcctct ttgtcgtcgg tcctgaaagc 360
gcctcgtcgc atcctggccc tgcatgttat cgcaagggtg gccctctaac ggtgactgat 420
gcaaacctct tcctaggccg gctgatccca gacttgttcc caaagatttt cggcgagaca 480
gaggatcagc cgctcgatgt ggacattgtg aagaagaagt tcgtcgcttt gacagcggag 540
atcaacagag ataccggcaa agctctgact ccagaagagg tggcctgcgg tttcttgaat 600
gttgccaatg aggccatgtg tcggccaatc cgggcgttga cggagggcaa aggatatgat 660
atcggtagct attaacctag gaatcactca taaatacaaa cctctctctt aacattcaca 720
gcgagccata gtttggcggc cttgggaggt gcaggagggc agcatgcctg tgacattgcc 780
cgaactga agatttcgac cattgtaata cacagattct ctagcatttt ttcggcttac 840
gggaagacgc

```

<210> 22039
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22039

```

accttgggaa ttactggaca tgtgcgatct gttaacggaa tccaatggga accttctggt 60
ggttatcttc tatcaacaag tgctgatcaa acaaccgcc ttcatgcaca gtggcttcgg 120
gaagggcaaa agtcgtggca cgaattctcg cgaccgcaga ttcatggtta cgatttgaac 180
tgcgttgaca ctcttggccc ggaccgcttc gtatcagggt ctgaagagaa gctgttacgg 240

```


gtgttcaaag aacctaaacc aattgcccaa ctgctgaaga acctttccgg actcgcacag 300
aatacagagg gagagcttcc tgacacagct cagattccag ttttgggggt gtccaatcaa 360
gctgtgggtg aagaagcccc tgtggaaaca gatacggcag aggccgagag tatcggacaa 420
gcgcaggcat atcaatcaat actatcaaat tcgactcagc ctctctctga ggaccaactg 480
gctcgatata ccctgtggcc tgaacacgaa aaactttacg gccatgggta cgaaatatcc 540
gccgtggccg taagtcacga ccgcacactc atcgccactg catgcaaggc cagctcgata 600
gatcatgcag tgggtgcgttt gtacgacaca tccgattggc acgagattcg accatcactt 660
gcagctcata ctttgaccat taccagtctc tccttttcag ctgatgacaa atatctgctc 720
agtgttgac gggatcggca gtgggcgggt tatcgtcggg gtgaaacaga ctcatcaagc 780
ttcacactca ttacgtccaa ccccaagggc cactcgcgca tgattctcga tgccgactgg 840
gccccgtctc 850

<210> 22040
<211> 691
<212> DNA
<213> Aspergillus nidulans
<400> 22040

atgcctacag caaaagcaat tgtcgcccg cagccccggt tcacagcgct gaactggggcg 60
ctcgaggatg tctgcgtctc taatgagccc ggcgacgacg aggtccttgt cgagatggtc 120
gcttctggcg tctgccatac cgatatcgta ctctctgcgg tgccgtcagg gcagctagga 180
attgggtatc caaaagtgat aggccacgag ggtatgtcta ccgtacttta ctggaccccg 240
tagggccact gaactatgct gatactcagc ggattgaatt ttgaaggatc tggatacgcg 300
cgcagaatcg gtaagaacgt cacaactgtc caggaaggag acccggtgtt gctttcattc 360
tattcctgcg ggagctgtgg gcagtgccag gagaggcacc cagcatactg cgactcggtc 420
gcggtagaaa attacgtcgg gcgcaggggg catgtcacga cagccaattc tgccaatggg 480
aaaggggaca atggggagca ggtccactcg cgcttctttg cacagtctag tttcgcgcgg 540
tacagcatcg ttgatgaatc gtgtatcgtg aacgcgtagg atctccttcg gagtgaacac 600
gagctgacct tctcgaaaag ctgggatgcg ggttccagac ggggatggca gcgatccacc 660
agtgggcaca gcccaaccacc ccctgctgcc t 691

<210> 22041
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22041

gctctcgttg cggcagcggc gccgcgtgcc ctggcttcgc cagggcccag tctcaacgag 60
 cgccagtccg atgatgaacc attttctccg ccatactacc cagccccgaa cggcggctgg 120
 gtgtcgacct gggcggaggc atacgagaaa gcgcacagta tcgtgagcaa cctgaccctg 180
 gccgagaagg tgaacctcac caccggcact gggatattca tgggcccctg cgcggggccag 240
 accggcagcg tcccgcgact cggcatcccg aatttatgtc ttcacgactc tccgttgggc 300
 gtgcgcaata ccgaccacaa cactgctttc cctccaggaa tcacggtcgg tgctacgttt 360
 gacaagagcc tcatgtacga gcgtggtggt ggacttggag agcaagcacg tggaaaaggc 420
 gtcaatgtgc tacttggccc ttctgtcggg ccgttagggc gcaagccccg ggggtggccgc 480
 aactgggaag gattcggggt tgatccggtt ttgcaaggca ttggaggcgc tgagacgatt 540
 aagggaatgc aaagtacggg cctcattgct tgcacaaagc atttcgtagg gaatgagcag 600
 gagatgcatc gaatgagtag tgtcgtcaca caaggctact cgtccaacat cgatgacaga 660
 acgcttcacg agctctacat ttggccgttc gctgagggtg ttcgggcccga agtcgggtca 720
 gtgatgattg cttacaatga tgtgagtgga acggtttctg gcatccatcg tatgctgatt 780
 atctaggtaa acaaatcatc ctgcagccaa aacagcaagc tcattaatgg cgtactcaaa 840
 gacgagctgg 850

<210> 22042
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 22042

tacgagtcac atgtcgtgtc gatatgacga ccaacctcta aggcttggcg tcttcagctc 60
 ctgtaagaga gagtgtaatc ggtgtccaga catatggggc tatacattcc cagcatgaga 120
 gtatcgggac tagtcacgga agtgcgccgc actatgcaca ctagatctaa tagtgtgcgg 180
 tcaataggtt cgcgtggggc caatgttggc ttctcgatca gagaagcgtc cttggtgcac 240

agaataggtt gctcacgata aagggtcggg ctgaacttcc tgacatagtt caggtatcag 300
 tgtccttggc atatggttgg gtcaggtgca cagtatgtca cagtagtagg cagaccagc 360
 ggcacagtac agggataggc gatatagtac aagcacgatg tcacatgcgg acccgtgggt 420
 gataactcca gcaacattga ccttggatcc ggtcgcatct cccaccagtt gagaccagag 480
 ggtccaaccg caccagatct 500

<210> 22043
 <211> 659
 <212> DNA
 <213> Aspergillus nidulans

<400> 22043

atthttgtcgg cgaggtattc ctaaagtgca acgccaaga agtcgtagag cgatgcggca 60
 agctggtaca agacattatt cggcagagtt ctgggtcaga taagatccca gagatatctg 120
 tgcaggggca tttggacgcc acttttccgt acatgctcag tcacctggag tatatcattg 180
 gcgaactcct gcgtaattcg atccaggctg tgagcgagag atatcaaggt ctcaacaaaa 240
 caccaccccc catcgaggtg ctgatttgtg aagcacctca acatgtgatt atgcgcgttt 300
 cggaccaagg gggaggcata ccccgagaga ttctgccata cttgtggtct tttacgaagg 360
 gtccccacag caaagtacga ctggaaaatt taggacaggt cccggcaatg gcagctacac 420
 tacaggagct ctcagtgtct agcgacataa aacatgcaga caaagagaca tttcgagaga 480
 gctctctaga cacgctgact tcggggcctc cagatcttag gctggggata gggctgccaa 540
 tgagcagagt ctatgcagag tactgggcag gtagtctgga gctgcacagc ttagagggat 600
 acggcgtgga cgcgttcctt cagatatcga agctcggcaa caagaacgag caagtgacg 659

<210> 22044
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
 <400> 22044

ttcttctttc atattgatag aaatacaaaa gaatctttct gatgcaaaag gggtgaaagt 60
 acccgtatgc taataagatc cactcatatt tctttacaac cgactattct taccttactt 120

cttattcatt tagtcatgat gatattagga gacttttttc tcttaccact ggcagcctct 180
 aatgaatata tcgctaaagg agaatggtgg cgtgtcataa cttctcttct cgtacacgta 240
 gacttacaac attttctttc taatagtatt tttttgtttg ctcttggttc ttctatcgaa 300
 aagcaactcg gacacttttc tttttttatt ctatttttc tctctggaat ttctggaaat 360
 atttcttctt atattattat gccgcttgaa tatattcacg caggtgcacg aggtggtatt 420
 ttcggactat taggtgcaca gttattttta ttgtacaata aaaaccgctc ttatctgaat 480
 tagtcgacaa gcttntcgag 500

<210> 22045
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22045
 cttgcaagct aacgctggtt gccggtataa tagagaaaca ggtcaccacg gtttcgccgt 60
 tggatccggg ggaatcagat gttggaaaac tagaactccc tgagaatttt ggcgaggctc 120
 tgaaaggaat ttaccgttgc gcgtttcccc agccctggaa ccttcgggcg ctcaaaactc 180
 tagggctgcy aaccataatg taagagcttg tccacgtatt gtgggactat ggcttacata 240
 tggtttatag taccctcggt gatgagccct acacacagag ccacgagaag ttccttgaag 300
 aaactgggat caccatcat cgtattccat tcatcgcgaa taaggaccct gctatcaaaa 360
 cgccagagcy tgtggtgaac accattctga gattgatgct caataagtcc aaccacccta 420
 tcctcaaaca ctgcaataaa ggaaaagtaa gtgcaatgtt ccggcctcta cggagccact 480
 tctcactaaa tggtaaacag 500

<210> 22046
 <211> 339
 <212> DNA
 <213> *Aspergillus nidulans*

<223> unsure at all n locations
 <400> 22046

accccatttt gacgcagtga tcccgcgtat tggcaccgca nttacctttt atgggacggc 60
 ggcaactgcy cagttcgaga tgctggggag ctatccgctc aatgagtcgg tcgccattgc 120
 ccgggcygcy gacaaattgc gttccatgca actgctggcg cgtcagggca tcgacctgcc 180

tgtcacgggc attgcgcatt cgccggatga taccagcgat ttaatcgaca tggtcggtgg 240
 tgcccgctg gtggtcaagt tggttgcagg cacgcaggga attggcgctg tgctggcgga 300
 gacgcgtcag gcggcggaga agcgtgaatt gacgctttc 339

<210> 22047
 <211> 354
 <212> DNA
 <213> Aspergillus nidulans

<400> 22047
 cgctccctatc ctgctgctct cttocttgct cgtcgaggac tggtcctctg agaacctgca 60
 gcggaacttt cctgccgagt cgcgacaaag cttagtgatc ggaatcttct attctggcgt 120
 ggccgccata ttcatctcgt actgcaccgc ctggtgtgta cgagcgacct cgtctaccac 180
 ctacgccatg gtgggcgccc taaacaagct tcctcttgcg gtcgccggca ttgtcttctt 240
 cgcgggcccc gtcactttcg ggagtgtatc tgccatcgtg cttgggttca tcagcggcct 300
 tgtctacacg tgggcgaaaa gcaccggtgc gtgagggccc aaccgcgcac gaggc 354

<210> 22048
 <211> 411
 <212> DNA
 <213> Aspergillus nidulans

<400> 22048
 ttgatggctg ggctcttttc ggaccaggta ttgtgtcttc ggagttgatt cgtgatccca 60
 atgccctgag gatttccacg aagttaaagt gccgcgaggt tcagtcttcg tcgaccaagg 120
 atatgatttt tgatgtcgcg cagacagtat cgttcctatc tcgaggcact accttgctgc 180
 cgggtgatct catcttcact ggaacgtaag tccgtatcct atgaacagca gaggccaaat 240
 actcacgaat gcatagcccc cagggagtcg gtatgggcag gaagcccgcg ctctgggttg 300
 agcacaacga ccaggtegaa gtctcccttg aaggggtagg ctctgcttg aatagagtgg 360
 ttttcgacaa accatctgtc aagctgtgaa gcgggaagcc tttgatcggc a 411

<210> 22049
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22049

ttgtgttttt ggccggctac acagtggcca gtagctttgg tctaccagat acaggggtaca 60
ttgcaatgga ggatcagtgc aagagaatcc aagaagtggg gcgcctgggc aaagttcctg 120
tcatggcaga cggggatacc gggttacggag gtcccatgaa tgtcaaaaga acagttgagt 180
cattcgcagc tgcagggcgt gctgggtatta tgattgagga ccagacctgg cccaagcggt 240
agtgcctgtt ccagactatg ttgaaaagct tgcctaaccg aaatgcagga tgcggacata 300
caaagggcaa gtccgtcggt acccgtgggt aagcctacgc ccgtatccag gcagctgtcg 360
acgcccga cagaggggcag gacatcttca ttcttgcccg gaccgatgcc ctgatacacg 420
gctgggacga agccctaacc cgtgcccaagg agtttaagcg catcggtgtc gacgcgggtc 480
ttgtcgaggc cctgccggat agggagtcaa tgcggcgggt tgtccaggat gttggcattc 540
ctacttttgc caatatcatt gaagggtgta agacagaaaa tatctcggcc aagaatctcg 600
ccgagcttgg tttctgcgct gtagcatatc cttggacgct ggtcgccgct aggcttaaga 660
gtatccgcga gacgtggac gccctgaaga agagtatgac tgaaggggca ccgccaatga 720
ttttgagcta tgcagagggt tgtgaggggg ttggcttcaa caagtactgg gtatgtaccg 780
tcttcttgtc ctcagacctt tagttaacct tgtgtaggaa cgtgagaccc ggtacgagta 840
caatcaggat 850

<210> 22050

<211> 423

<212> DNA

<213> *Aspergillus nidulans*

<400> 22050

ttcgcgggtac gcataatacg actcactata gggatctact ccgtcttgta agtgcccctc 60
acttttgaat gggcttcagc ttggaactcg agtaactggg atccagttgg tcttttgggc 120
tcaacggtat ccctggatt gtctccgccg aaatcttccc cggcgcgctg cgaaatctca 180
cggggacatg ggctgcgctg gtgcaatggg atgcaattcc cttcacctag tatccatata 240
taaatacaga ggttgatcca attcgttatc accaaagctc tcccgtacat cttcaatagc 300
cttgggtacg ggacgtggtt cttcttcgcc tcttgatgc tgctcgctat catttggtca 360
ttcttttttc tcccgaaaac caaggggaag actctcgatg aaatgcatac gatcttgtac 420

gtt

423

<210> 22051
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22051

attacatccc tacacaatgg cagacctatc ttttaaccgt atttatcttg atagtccaca 60
 ctgggtattag cagcatgcc acaaaatggg tagcggtttt caactcttgg gggtcgactt 120
 tcaatatgct cgcactgggtg gctgtcatta tcgccattcc tgccggggacc actaactctc 180
 ccaagttcac accatctagg gaggtttggg ggaacattac gaacatgacc gactatcctg 240
 acggagtagc cgtgctcatg acattcgttg ctgttatttg gaccatgtct ggctatgact 300
 cgcccttcca tctcagtga gagtggtcca acgcaaatat cgcctcccca cggggcattg 360
 ttatcacctc gggcgttggc ggtctcatgg gatggttctt gcagctcgtc gtcgcctaca 420
 ccgtggtaga cattgacgca gtattgaact cggatctagg acagccctgg gcgtcgtacc 480
 tcttccaggt gatgtcccgt aagggtgccc ttgccatcct cgcactcacc atcgtctgtg 540
 gtttctcgat gggccaagga tgtatgggtg cggcatctcg agtcacttat gcttacgctc 600
 gcgacgactg ctttcccttt tcgaagcact ggaagcgcac caacaacacc acccaaacc 660
 cggtaaatgc tgtcactatg aacaccgtcc ttggaattct gatgtgtctc ctcttatttg 720
 ccggcgacgt cgccatcggg gctttgttct ccattggagc tattgcgcaa ttcgtcgctt 780
 tcataatccc tattgcaatc cgcgtcttct ttgtccgtga ccggtttcgc aaaggaccat 840
 ggcatctggg 850

<210> 22052
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22052

tgacctctcc tcccccgacc cgaatgacaa caccaacgag cctttccttg acttccttga 60
 ggccgtcctc aagctcgatc agaaagacct gcccaggtc atctcgacct cctacggcga 120
 ggacgagcag acaatccctg agccgtacgc ccgtccgtc tgcaacctgt acgtcagct 180

cggttccccg ggcgtgtctg tgctcttctc ctcggtgac tctggcgteg gcgccgcctg 240
 ccagaccaac gatggcaaaa acacgacgca cttccccgag cagttccogg cctcttgccc 300
 ctgggtgacc gccgtcggcg gcacgaacgg cacagcgccc gaatccggtg tataacttctc 360
 cagcggcggg ttctccgact actgggcgag cccggcgtag cagaacgcag cggttgagtc 420
 atacctgagc aaactcggta gcacacaggc gcagtacttc aaccgcagcg gacgcgcctt 480
 cccggacgtc gcagcgcagg cgcagaactt cgctgtcgtc gacaagggcc gtgtcgggtc 540
 cttcgacgga acgagctgca gtctgcctgt atttgcgagg atcgtggcgt tgctcaacga 600
 cgtgcgtctg aaggcaggcc tgcccggtgt gggattcctc aacccttggc tctaccagga 660
 tggcctgaac gggctcaacg atatcgtgga tggagggagc accggctgag acgggaacaa 720
 ccggtttaac ggatcgccaa atgggagccc cgtaatcccg tatgcggggtt ggaacgcgac 780
 ggaggggtgg gatcctgtga cggggctggg aacgccgatg ttcgcgaagc tgaaagcgct 840
 cgtgcttgat 850

<210> 22053
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 22053

caccgcaatt aagagatcct cgattccacg agatgagatc ttcctcacca caaaactctg 60
 atgcaactcc ttccaccagc acgacgttga ttctgacta tatgaaactc tgagagacct 120
 gcaaaccgag taggttgatc tatatctgct tcaccacca tgcacgtttg cgcgtgggaa 180
 agaccgcttt ccaagggtg aagatggact catgcgtatg ggagagacga cctacgtcga 240
 tacatggaaa gcactgcagg agatcatgaa gaggaccagg aaggccaggg caatcggagt 300
 ctcaaacttc agtagggatg agactaagaa tcttatcaat gctgaaatgg tgagcttctt 360
 cttggtccca ctcagccagg catacgtatg aggttagggc taatgtcgtt cgatgggcgc 420
 agaccccgag agtccatcag atggaactcc acccgctcct ctctcaaaaa ttcttcgcag 480
 tctggcacia aagtcttgaa atccacgcgc agcagttcag tcctataggt aatatgaact 540
 cgttctaccg cgatgtctac tggagcaaca ggcgcgccaa cctcggccgc ctctcgacg 600
 agcccgtcct ctccgaaata ggcgcaatgt attccaagaa cctgcacac gtggtattag 660

cctggagcgt gaatcatggg cgctctgtga tcccgaagag tacgattcct tggcagatca 720
 ggcagaatgt tgagagtgat tttgtgcttg aggaggatat ggagaggatt gatgagctga 780
 atgcggattt gaggttcaat acgccgcaag aaacttaccg ctggctgcta tatgaaggac 840
 tggattgagt 850

<210> 22054
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 22054

actgtgccag acccagggcc acaagtatcc accatcagct ccgatattca cgcagtcctt 60
 tctcgagatt caacagtggc agtcctaaac tggtcgacac cgtaaataatg agcaccctg 120
 acatcacctc ataccgat aacactccta atgggcacaa gatccccatt attctcgagg 180
 agctcggctc cccctacaag ctcgagcagg tctccatcca gaccggcgag cagaagaaag 240
 agtgcgctgc tcattctaata tctaatactca tcagctacag aggctaattc cacagatggc 300
 tcctcaagat taaccggaac gggcagatac ccgctctgac tgacggcaag cagcgtgtct 360
 tcgatagcgg cgccatcctg ctatacctgg ccgataaata tgacgcagag ggcaaggcca 420
 gctataagcc tggaacgcct gagtattatg agcagctgag ctggatcctt tggcaaattg 480
 gcggccttgg accgaggggt 500

<210> 22055
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22055

cacattttcc tcttctagct tttggcgtgg gcaattggc actttgacta cgtcgaggca 60
 ttgaccgaac gtaaatacca gggaaagagt attcctgttc gtgtctatac gacgaaggga 120
 cttaaagaac aagcccgtt tgctcttgaa tgtgcacatc ggaccgtcga ctacttctcg 180
 gagattttcg agatcgaata tcctctgcct aaggcagatc ttctagcggc acatgaattt 240
 gtaagttgtc tctcgacact gccggacctt cataatgacc tttcgtgaaa aatataggca 300
 atgggagcta tggaaaactg gggctctgtg acgtatcgca cgactgccgt tctgttcgac 360

gaaggcaaat cagatactcg ttataagaat cgaattgctt atgttgctgc tcatgggtgag 420
tcaagcatta ccttaagccg ctctccaccc tagctaacta ggctattata gaacttgcac 480
accagtgggtt tggcaatctc gtaacaatgg attgggtgga tgagctctgg ctcaatgagg 540
gctttgctac atgggtcgga tggcttgctg tcgatcactt ctatccaggt aaggaatcca 600
tggccccctc tagcgatcac agctgaaagt atctaatacc atggtagaat ggaatatctg 660
gtcgcagttc gtggtatgta cttctagtgg tgattcaatg ttgaaagtaa aaataatgac 720
agctgacggc tgcacaggct gaagggtgtcc agcaagcatt tcaactcgat tcgttgctg 780
catctcaccg gatccaagta cccgtcaaaa acgctctaga ggtcgaccag atctttgacc 840
acatcagcta 850

<210> 22056
<211> 576
<212> DNA
<213> Aspergillus nidulans

<400> 22056
tttctgcca ttcttacatt ggaagctcac atctcacagt ctgcacgtat catttatgac 60
gataacaaag gtgctattgc cgctgcagag gctaagagtg agtcacgcag cagatattca 120
ctaagaccat gaccattcag gtgtggaaac cggagtatga gcgccccggg agacacttcg 180
tatacacgac aagatatgca tacttcttcg tactctact tgatcagctt gatgacagag 240
ctaattctga gcaattgcta cgctgtgttc gaaaaaagca aggcgatttc atcaatcata 300
ctaagttatg ggaggatatg tgtctaacct acgcccgcgt catacgtaga gcagctggga 360
ttagtgaggg ccatgaagaa agtgtcttca aaccgatagg gtgggaggag ttctcctcca 420
acaccgcccg tctagaagag cttcctcacg ttgcgcctga aagtccgtca cttctcgagc 480
tctccggga cgcgattgaa ctcaagaaac taaacaacaa tcttatgaaa gtcgcgttac 540
ttgaagatct tattgcggac gtctactccc gcatct 576

<210> 22057
<211> 718
<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations

<400> 22057

ggaaaggggtg aagttcggat cagagtcgca tatgttggat taaatttcaa ggcaagtcct 60
cagacatcca tggcgatgct aatgggctga cacaaatcaa ggacattatc accgccctag 120
gactaattgc gtctcctgac cagctagggc tggagggcag cgggggtgggc gagagtgttg 180
gcactggtgt taccaatgtc agcaagggag atagggcat cttcttgggc ccagggtgtt 240
ttgcaaccca cgttactgtg ccagctgcaa aagctatacc actcccaggc aattggctgc 300
tggaggaggg ggcaacgtcg ccgattgtct ctttgacggc ggctcagtgt ctcttacgac 360
taggaaatct acgacgaggg caggtagggt gatatgctat ggccgatgta tagagttctg 420
acacgtggtt tcagtctgta ttgatccacg ctgcggccgg aggcgttggg attgcggcta 480
ttaggatctg caaagggtgtg ggagcgaagg tagagatttt ttctgaagcg tcgtcaattc 540
aactgacag acaatagatc tacacaacgg ttggcaacga cgagaaagca cagtatttgg 600
tcgacacatt cggtatccca cgtgcgcaca tctttcattc ccgcaatgca tcattctatg 660
atgacctcat gcgtgaaacc ggtcgccngg gggcgatat cgttctcagc tctctcag 718

<210> 22058

<211> 500

<212> DNA

<213> *Aspergillus nidulans*

<400> 22058

ttgaaagcaa cccattttct atcactatga agagatcgta aagatccagt ccaccctcaa 60
agagtctatc accggcttcg gctgcttcgg cgcactcttg cagattgcgc acccggcgtc 120
gcccgcggtc tcaacaacca cagcgaattc gccacgcgcc aacctgaccg cgccgagaaa 180
atagtcattc acgtgtacat gatgggtatac ggaggtgagg aagagaaatc gctcatcaga 240
gagtgggtga acacgatgta ttctcgctgc aaaggcgggg aaggcgacac caagtaccac 300
gcgcaaaacc cggacctcca gctttgggtt gcggctacct tgtatgtgag gtggctccag 360
gcttatgaga tggcctttgg tcagctacag ggcgagaagg cggagagtat accatgaatt 420
tgcggttttt ggaacattgc tgcaggttcc gcagagcaag tggccgaggg atccctttag 480
tagggttatt gcggcccgat 500

<210> 22059

<211> 473
 <212> DNA
 <213> Aspergillus nidulans

<400> 22059

gcatcatgtc ccgtctcggc gcgaacgaca acattttcgc agcccagtc acattctttg 60
 ttgaactatc ggagaccaag aagattctat cagaagcgac accccgctct ctcgtcattc 120
 tcgacgaatt gggccgtgga actagctctt atgatggagt ccgtgtcgcc caagccgtcc 180
 ttcatcacgt cgccacgcac atcggcgcat tagggttctt cgcaaccac tatcatctgc 240
 tggctgctga atttgagaac catcctgaaa taaagccgaa gcgaatgaaa attcacgttg 300
 acgagaacga gcgtcgagtc acgttcttgt acaagcttga agatggcggt gctgagggga 360
 gtttcggcat gcaactgtgc gcaatgtgcg gaatcccaaa taagggtgatt gagcgcgctg 420
 aggtcgcagc taagcaatgg gaacacacca gccggctaac ggaaagcctt gag 473

<210> 22060
 <211> 834
 <212> DNA
 <213> Aspergillus nidulans

<400> 22060

gacaacaatg atgatgaagg ggaagtgggtg aagattgcac tccatccatt cgataacgag 60
 gcgatctggg aggggaacag tacgcttgtt gatgagttgg tcgagcaggt tccccttgtt 120
 gcaggggatg ctgttgaggg agatgggtat ggggatatgg cccttccagt tgatgcaatc 180
 gtgtgtagtg tcggaggagg tgggctattg aatggactcg tcatgggact tgagcggcgg 240
 cggagacagc tggcaaaatc ttcataaga aagacggcgc aagcaagacc gacgcatctg 300
 attgccgttg aaacgcgtgg aacggactct cttgctgcgg cagtagcgaa aggttccctg 360
 gtgagtctgc cgaagatcac gtcgcaggcg acatcgctcg gtgcgatccg ggtttcggaa 420
 aggacgtcc agtatgcgt acatccgccg cagggtgtca aagtgcatag tacggtgctg 480
 tctgatgcag acgcggcaag aggcgtgctg cgtcttgtgg acgaggagcg gatgctggtg 540
 gagttggctt gtggagtgtg tgttgaggcg gcagttggcg atgcttgtcg ggctgagaag 600
 acgaagaaga ggaagagggg gttggatgaa gggataggag atgaccgggt gtcggcgggt 660
 gagagtgagg gagatttgtc agatggaggg gtggctgagg atcccttgcg gtcgcggttg 720

aaggagctgg tgccggactt gaaaccggag agccgagtag tgatagtggg ttgtggaggg 780
 agtaatgtca ctattgatgc ggcggtggaa tggaggacga tgctgaacga agga 834

<210> 22061
 <211> 840
 <212> DNA
 <213> Aspergillus nidulans

<400> 22061

atgcataata tgtgcaatgc gtgcatggaa tatgtcgcta acctggtcac agctactcag 60
 ggcaacgtta aggaggcaac tgggattctt cagcgcgagt actacaaaca ccccgaggcg 120
 ctcgtccttc tcattcaggt tgcgactggc catgatgacg cgcagttgag gcaactcgct 180
 gccgtggagg ctcgtcctt ggttggcaag cactgggcta aggttcaagc tggccaaaag 240
 cctgctctcc gcgaacaact ccttcgctct ggtgtcagcg aggccaacga ccttgctccg 300
 cactccgctc ctcgtgttat ctgagctgtc gccaaagtcg atttggagga tggcgagtgg 360
 gctgacctgc ccaacttctt gatgcgcgcg gccgacgggtg gaaacaagga tgagcgtgct 420
 gtctcgctct atatcctgtt cactattctt gagaccctcg gagagggctt cgaggagaag 480
 ttccaggatc tattcactct gttcggcaag actatccgtg acccagagag tgccgatgtc 540
 cgcatacaaca cactccttgc cctgagcaaa ttggccatgt acctcgactc cgctgagaac 600
 atgggacccg tcaaggcatt ccaggacctt gttccttcca tggtcgctgt tcttaaggac 660
 gccatcgacc aaggcgagga tgaccgcac atgcaggcct ttgaggtctt ccagaccctg 720
 cttggtttcg accctgctct cctcacagtt cacctgaagg atctcgttct cttcatgaac 780
 gagattgccg ccaacaccga gattgatgag gacaccgtac tcaggctatc agtttcctga 840

<210> 22062
 <211> 566
 <212> DNA
 <213> Aspergillus nidulans

<400> 22062

gatatcaaca tgatcctgca gccaatatca agcctcctaa tgcctttagt gattctgatt 60
 ggggtgggcc ttatttaaaa gcacgggggg gtgttagcag atatgttttc aaacttgccg 120
 gaggaccaat tgcttgcaaa tcaaagcgcc aaacctgcgt agcaaccagc tccaatgaag 180

ctgaatatat tgctgcatct gaagcctcgc gcgaagccta ttagatatac tctcctcaaa 240
 cttcaaagga cagacaataa gttcatcaaa atccagagac tcgcgaaatt atgaaggatc 300
 ttttaattatt tgatgaccag catgcacctg gtatcctatt atatatagac aacaaaggag 360
 ctattgatct tacaatgtcc aacatacaaa ccaaaagatc aaagcatatt gacatccgct 420
 accattacac ccgtgatatg gtcgaccaag gcatcatcca tatcaagcag atccctactg 480
 ccgaaatggc tgcagatggc tgtacgaagc ctctgggatc tgaagctcac tcccatttca 540
 ttcgtttatt aggtctccac aacgat 566

<210> 22063
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22063
 ttcacccgctc tcggcttcgt ttgccctgaa gctcaaacta cgctgactt tttgaccttc 60
 atgtcgagcc cagtcgagcg cgcatccgg cctggattcg agaacttagt gcccaggaca 120
 gccgatgact ttgcgcagag gtggaaagag agtcctgaac gccaggcact tctacgtgac 180
 attgaccggt ataacaccga gcaccccttt aacgccacag accttgatct cttttcgtct 240
 tcgcgggatg cagagaagtc caagaaccag cgaccgaaat ctccatatac cttgtcatac 300
 tggggccaga ttcgaatctg cttgtggagg gatttccaac ggctgaaaaa cgaccccagt 360
 gtgacactgg ccatgctgat tctaaacttc ttcgaggcct tgatcatttc cagtgtgttt 420
 tacaatcttc ctggaaatac ctctccttc ttctcccgtg gcgcattgct gttcatgatg 480
 gtcctcttga gtgccttttc cagcgttctc gaaatcatca cgttgtacga gaaacgaaca 540
 attgtcgaga aacacagcag atacgccctt taccacccta gcgctgaggc tatttcttcg 600
 atgattatgg atatgccata caagattgtc aactccctgc tcaacagcct tgtcctgtac 660
 ttcattggaa acctccgacg tgaagcggga gcgttctttt tctctacct gatctccttc 720
 gccatgatga tgggcatgtc tatgttcttc cgtttttttcg cctctctgac gaaatcgatt 780
 gaacaagccc tcgccccctc ttcaatcacc ttgcttgctc tggttctata cacaggcttt 840
 gcatcccggt 850

<210> 22064

<211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22064

```
aattgattcg attcttgatc ttcaagcctg atagtaaccg tttgtgcaag ttcttgaggc 60
tctctgcgct aggcgtccgc cttgcagctg agggcagcta tcacggcaaa gaaggggtact 120
tgatgattca atcttcaaaa ggacttgact ttcgaagagc ctttaacccc gggatgatga 180
aacgacgaca ttcgccccaa tgggttccttg tcagacacag ctatgttggtc tgcgtcgact 240
caccgaaga gatgaatatt tacgatgtgt tcttggttga tccattcttc aaacttcaaa 300
ctcaaaaggt cagcttgcggt catcagaaag cgaaggaact cgcgaagtct gctacagaat 360
cagcgcggca tccacagcac catacgctaa gacttgagaa ttctgagcgg aaacttaggc 420
tgctggctag aaatgagcgt cagcttcacc aatttgaaga ttctattcga tttatgggtta 480
gcaatacccc gtggtcaaaa ccaaaccgtt tcgatagctt cgctccagtc cgccagcact 540
gtttcgtca gtggttagtg gatggacgtg atcatatgtg ggtcgtatcc agagcgataa 600
accaggccaa ggatgtgata tatatacatg actgggtggct gagccctgag ttgtatatgc 660
ggcgaccagc ggcgatcagc cagaaatggc gacttgatcg tcttcttcag cgcaaggccc 720
gtgagggtgt gaaggtttta gtcacatgt accgcaacat caactcagcc attccaatag 780
actcggaata taacaagttc tctctacttg acttgcaccc aaacatattc gttccccgat 840
gttcccatca 850
```

<210> 22065
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22065

```
ctaacaataga cagccgagga aatcaaagac gcttctcgga cgctcccaaa ggctatgatg 60
tctgcgggttg gagtcaacgc ggtcttaggg ttcacatga tcactactct ttgcttcaact 120
cttgagatg tcgacaacat cctcgaaagc ccgaccgggt tcccgtttat tcaaattcttc 180
tacaacacaa cgcagagcta tgccgccaca aacaccatga cggccatctt ggtgatcacc 240
ttgacggcaa gtaccatcac cgagggtgcc acggcctcgc gccagctgtg gtcttttgcg 300
```

cgtgacagag ggcttccatt ctccgatttc ttccgcctacg tatgtttgac cccccactct 360
 atttcttagc atgcagtaca tatctgacac gcgacaggta acacctggct ggaacatccc 420
 actgaactct gtccctcgtct ccctaatacgt cacaattctc ctctcgtga tcaatatcgg 480
 ctcaaccgtc gccctagcag cgatcgtctc gtcacgac acctcgttaa tgtccgccta 540
 catcctgtct atcggctgca tccctgctcaa acggttccgg aacgagcctc tccctcacgg 600
 ccgctgggtc ctggggccgt tcggcatggc tatcaatata gcagcaatgg catttctttt 660
 gccggtgttt gtgtttgcat tcttccact tatggcggag gtggacaagc agacgatgaa 720
 ctggagcgtt gttatgtata tagggttaat tacgctggca tcagtttatt atataatacg 780
 gggacggaat cactttgttg cggccgttgc gctggtgagg aagctgcgct aggcttctga 840
 aaagagtatt 850

<210> 22066
 <211> 653
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22066

gaaacaccaa acctctttcg cccgctcaca atccgctcgg taacgctcaa gaaccgcgtt 60
 atcgtcgcgc caatgtgcat gtactctgca gaggccgacc catcctcacc ctgagtcggc 120
 gccctgacgg acttccacat ggcacatctg ggccactttg cactgaaggg ggcagggctg 180
 gtcttcactg aagcgtcgc tgtccagccg aatggacgca tctcgcgaa cgatgcggga 240
 atctggcaag aaggactga gtcagagcaa ttcaaaggc tgaagcgcgt tgcggatttc 300
 gtacactccc agggcgcaaa gtttggtgtg cagctggcgc actccgggcg gaagggaagc 360
 acggttgccg cggcgtggc tgcgtcaaga ggggtgagg ctcttaaggc tgatgagggg 420
 gtgtttgggt ggccaaagga tgttggtggc ccgagtggcg gggaggagaa caagtgggag 480
 cctgggaata tatcatactg ggctcctcgg gaactgaccg tggcagagat ccaggagatc 540
 gtcaaggcgt ttgcgaaaag tgcagagatt gccgttaagg cgggtgtgga cgtgatagaa 600
 aaccacgctg cgcattggcta tttggtgaat gatttcttag ccgctgccc atc 653

<210> 22067
 <211> 850
 <212> DNA

<213> Aspergillus nidulans

<400> 22067

caaaacacca agaaaattgt cgccctccat aagaaggcac tggcaaattcc aaagactaag 60
ccaagcgatc tgggacgatt gaacacagtc gttgtcaacg accgcgatca gcgcatacaa 120
atgcaccagg caattcgtcg catcttcaat tcgcagattg aatcttcaac agacagtga 180
ggaatgatgg ttatctcagt cgctgccaac cgcaacaaga agaattccaca gggaggtgga 240
ggcgggctg agaggccgcg cgtgaattgg gacgaactgg gcggacagta tctgcacttt 300
actatttaca aggagaacaa ggacaccatg gaggtcatct cgttcacgc cgcacaactg 360
aagatgaatc cgaagagctt ccagttcgcg gggaccaaag atcgccgcgg agtaaccgtg 420
cagagggcat gcgcttatcg cttgcaagcc gatcgctcgc cgaagctcaa tcgaacgctc 480
cgcaatgccg tcgttggcga cttcgaatac caacctcacg gcttcgagct cggcgacctc 540
tatgggaacg agttcgtcgt gactctccgc gactgagagg ttcttgatca caacatccaa 600
gaccccgcat cagccgtagc caagacaaag gagctcgtca acacttcaact caagaacctc 660
taccaaagag gttacttcaa ctactacggc ctacaacgtt tcggctcttt cgcaaccgcg 720
actgacacag tgggcgtgaa gatactgcag gacgacttca agggcgcttg cgacgctatc 780
ctcgactaca gccacacat cctcgccgcg gcacaagcag aattaggcca gggcgaagcg 840
aagggccaca 850

<210> 22068

<211> 685

<212> DNA

<213> Aspergillus nidulans

<400> 22068

tgtatgtttc ctcttagggt gctatccttg cgtaaatagc aacaaggttt aggaatctcg 60
cttttagggc tgatgctacg tggatatcca ggtcgcgggc tcacaggga cgcgatgcac 120
gctatagccg aaaaggctcc agaggcaccg tttctcgtgc aggatttagc cggggtcggt 180
gaccaaggctc gagcgtctct tcctgagtct ctgagctctc gaatcacctt caaagagcac 240
gacttcttca cgtcgcagcc ggaggaagcg gatatttacc tgcttcgatt tatcctgcac 300
gaccatcccg actctactgc catagatatc gtcaagaatc ttataccggc catgcgacag 360

ggcgcgcggc ttatcatcaa tgacggtgtt tatccggagg ttaatacgtt gccaaagggg 420
gaggagagga ttgcgcggta ggtgatcgct gatgaacgga gcttttaa at cttttaggg 480
ctggttcaat gctgacattg tcttgactg tataggataa tggacctga gatgttgacc 540
accttcaacg caagggaacg accgctagca gactgggtca agctctgtgc agacgccgac 600
agtcggctga agtcgcggtc ggtttcgaaa ccggagggca gtgtcatgtc catcctcgag 660
tttgtcttcg atgagccgga atcga 685

<210> 22069
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 22069

gttcgccgtc aaagaagggg acagcgtgcg cggctctctca cgacgtgaag aaggcgatgc 60
gctgttcgag tcgctgggct cgactcccg cgcgggtgac ctcaagaatg cagaccttct 120
cacagaagag agcagaaacg ccgacatcgt cctgcacctt gcgttcgac acgattttac 180
caagccgtac caggagctag ttaacactga cattgccgt gtgaccgcc atgccaaagg 240
ccttgaagga tccggcaagc ctcttgctgt ttcgaacggg acaaccaacg tcgcgcccga 300
tcccaatgga ggcgagaccg acgaggatgc cccgttagca gaccaccttc ttaccaaccg 360
tgacggcgcc gaaaggcatg cgctttcggt ttagacaag agcgtgcgcg ttgtctccat 420
acggctcccg cagtacgtct acggctctgg tagtacaacc ggcttcgccg cgcaattgat 480
caagctagcg atcagatccg gcgaatccgt gtacattggc gatggcgagt actgcttctc 540
ggatacatac gtcgatgacg ctgccaaact gtaccttctt gccgccaagc acgcaaagcc 600
cggagacgtc ttcaatggtg ctgggcacac aaccacgaca tacaggggcca tggcgactgc 660
gatcagcgag ctcgtaggag taccgctcg ctctattact cctgatgagg cagtcgctcg 720
ctggggcccg ttccttgctg gattcattag catcagaaac cgtgcgtcga accgaagggc 780
tgttgagcag cttggttggg aacctgttgg accggggctg ctatgggagg ttcgcaacgg 840
gagctatgta 850

<210> 22070
<211> 822
<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 22070

gacacgtana cnngaagggg ggggctgggc ggaagaaatc cgcacggaag ccgccgccag 60
aacacagaga aagcgcaacg ccccgacaga acacgcaaag cacgcgaccg gacccccgga 120
agccgcacag caccggagag gccgggcacc aacccgagcg agaagccgag gccacaggcc 180
gaaagccaca gaaacagcgg gaacgagcgc gcgaggaagg cgcgccccgg ccagccaccc 240
gggccagcga aggccgccgg agggccggcg ggaagcgggg aaaggacacc caacggagca 300
ggcccaccca aagccgaccc cgagccggac ccaaggccgg acagaccgca aacgacgcng 360
ccagacggcc aagggcccca agacccanc aagaaaaaa cggcaccgac gcggcaccgc 420
ggaaccgcga aagcaaagcc aagggccggc aagccgagcg aagagggcgg cacaagcccg 480
aaccaccca gaaacaacgg cggccgaagg cacggaaga caaagacaca aacgagcacg 540
gcaccccagg gaagaaaacc ccaagggcaa ggcaccggcg agaccgagca caagaccaa 600
aaagagccca gccaaagaa cagcacagcg gggccaaca acgcgcacac aaggcagcag 660
cgaaggcacg aaacgaaaa ggaagacaac accacaacgc gaccacacag gcaaaaccgg 720
gaacacaccc aacccaacc aaagcacgaa agccacaaca ccccaaaaa caaccccaga 780
gaaaccaac cagaagacac caaaagacaa aaaccccccc ca 822

<210> 22071

<211> 503

<212> DNA

<213> Aspergillus nidulans

<400> 22071

gtaaaatcaa aggggccagg cgcgttattg gtcggcctga aactcaggat cagtgagact 60
ttctagtcaa ggagtgtgtg ttttatgtgg ctaaccaact ataagtcccc taactggcgc 120
aagcaattga aaacggccaa ccccgggact atatcaatgt ctattttgac aatgtcgacg 180
gcgaaatcct cgatgcttgt ctggccgggg ttgctccctt ctgcgccttt gttatgtgtg 240
gtgctatcag tcagtacaat acctcgaagc caaaggggcc agctagctat atgaatgtga 300
ttgtgagtat cccttctgat gtatgctgct tgatactgat catctttcag tcgcaacgtg 360
tcactatgaa aggcctttata gttttcgatt tcgccgaaaa gtatgcagcc gctcgcgagg 420

aactgtcgtc ctggctagcc cagggcaagc ttgctcgcaa ggatcacatc ctcaactggtg 480
gactggaatc ggctcccaaa gcg 503

<210> 22072
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 22072

cctagtcaat gactggcgtg aacttgctag actacgcgtc atcctcggcc ttttcgaagc 60
aggtctcttc cctgccgctg tattcttgat tagctcctgg tatatacgcc atgagacagg 120
gaagcgaatc ggctgtttt acctgctagg aagcgcgatt agttcgtttg gaggaattct 180
tgcttacgga gtacgtttcc cttcttcta aatagaggct atctggagtc tatgctaata 240
aaagcagctg cagcaaatgc acggactcca gggccacgca ggctggcgtt ggatctttat 300
catcgagggc gttctcaccg tcgcgatagg gttagccggg ttcgtgctta ttgtcgactt 360
ccctgaagac gcgcgccgta cgcgctgggt ctgacggaca gggagattga tatcatgatt 420
gccgagttga gaaagaccgt ggcgacgcac atgaacgcc gtttggttga aggagtttct 480
gaagtacgga cttcatggca 500

<210> 22073
<211> 615
<212> DNA
<213> *Aspergillus nidulans*

<400> 22073

cctgctgaaa atggagtgga gggcaaggca actgagacta cgactgagtt aaccaaggac 60
aaggatgttg agcttgcgaa aaaggttgtg aaggaggaag cacaaaaaaa gcgaaaagtg 120
agccattcgc ctacgcacga ggaggagagc gagagtgaag acgaggagaa gaaggaagag 180
gacgagaagg ataatgtaaa agaggattct ggaaaggcga acgtaccaga tcttccctct 240
gttgatgcgg ttagcctacc gcagcccgat gggggcccca agaagttcac agagttgggt 300
ctttcgaga agacgcttca aggtattaag gagatgggat ttgagacaat gacggaaatc 360
caacaacgga caatccctcc gtcctcgcg ggccgtgatg ttcttggtgc tgogaagaca 420
ggatctggaa agacattggc attcttgatt cccgccattg agatgctcag tgcgctgcgg 480

tttaagccta ggaacggtat gttgggttct tttctctctg ctaatgctct tgattgtcct 540
aacgaacatg ctgaaatagg aaccggtggt attgtggtct cccaacgcgc gactggctct 600
gcagattttc ggcgt 615

<210> 22074
<211> 506
<212> DNA
<213> Aspergillus nidulans

<400> 22074

ctggacttca ctaagaaccg gacattcaag ttgatcaatg aaaataaaat caaccccaca 60
acgaaaacgc cggttggatt caaactcctt cccgcataca gccaaatgct cctcgcccac 120
ccagattcct accactccaa gcgttctgag ttcggcgctc atgccgtttg ggtgaccgga 180
tacgacgatg aagagatggt ccccgaggc cagtatacaa tgcagtcaag tggcggcgag 240
ggtatcaact cggccatcac aaggcgccgc aacgacctg gaagcaaac ctctgtccgc 300
aacgaggata ttgtcctctg gcacaccttt ggatcgaccc ataatccgcg aatagaagat 360
tggccggtta tgccaatgga caggatggtt gtcgggttga agccgggtcaa cttcttcagt 420
gggaatcctg gcctggatgt ccctgtttcg acacaggaga ggaatcgag tgtgttggtta 480
gaaggggaca cagtgggtgtc aacttc 506

<210> 22075
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22075

caacaatata aacacctgct cttcttccac cgctacctcc tcccttttct cggcacctat 60
ccaccaacct ggttcagcat tgtcagccga caggggctcg caattgaata tagccttaat 120
ttccaggcgt caggcaatcc cgttattcgg agtgcatttg aaccggtgag ttacgcgtcc 180
gggaaggatg ctgcggatcc cttgaacaag cgacctacag aggacttgct tgcagggttg 240
gtggagcaag ggttgagggt attcgatatg acactcttcg atcatgttcg ggatacaatc 300
ttcatttcgg acgaggagac ggctgccctt gaaaaccag atgcctatgg gatcaagacg 360
catactgctc taggattcga tatgaagggg gacaacacgg tggtaagtgt ctatatgcat 420

ccgcggtgga agagtcttgc aacgggggtt ccggttgcca agctgatacg agattcgctt 480
gagcggatca aggaccagtt cgattgtgaa caggcgctcg aactgggtga tgagtatatg 540
gaggatagtg gatcgtggga ttttaaggacg ttcattgcgt gggactgtgt gcctttggcc 600
cagacgcgac tcaaaattta cggcatcatc aacgaggtct cgctgggcaa agttgaggaa 660
ctgtggacga tgggtggccg gctcaacgac gagacgactc tcgagggact ctgcctcctt 720
cggcgccctt gcacctactg gaggtcaata aggatgaccg gctgttttcg aagggggacg 780
aggagaaact cgagtatggc ccaacagtcg acggcttcct gccactattc tggaactatg 840
agatctgggc 850

<210> 22076
<211> 787
<212> DNA
<213> *Aspergillus nidulans*

<400> 22076
tgggacgaac cgttatatga gctcggcaag atccagtatg gtaatcgta cacaatttac 60
tcacccaaag acggccagcc ttgcatggat cagaccgaa ccgagggcga aggcattgga 120
ccccaggagt acacggctat gaagctgaag gttaaggagt gggcacctaa gattgcagaa 180
ctcgtcaaag gcaagattga ggatgacgcc gatgtttact tcattccgcg taccctgcgt 240
ccggagacca tgtacggtca aaactgctgc ttccctcgcc cgaagatcga atacggaatt 300
ttcagggtca aggagaagca gtactatata tgcaccaagc ggggtgcttg gaacatggct 360
ttccagggca ccttctttga cagcgagcac ttccccaaga ctcaggacga actgcccacc 420
gttctgactg ctccgggatc ggcattcgtc ggtacactcg tcgacgcacc tctgtcattc 480
cacaaggatg gtgtgcat ccttcctatg gaggggtgtt ctgctaccaa gggactgga 540
tgctgctact tgtgtgccct cagactcccc tgacgactat gccacttttg tcgaccttgc 600
ttagaagccc cgatactacg ggctttcata aaggagttgg gccttgattt ggaaaaaatt 660
ctccctttta attgaaaaac acccttacgg taacgggtaa accctttaac ccggcaacca 720
aagtgccttt gttgaaaaaa aaagctttta agaaatttaa attctcccc caaaggggac 780
ggttgta 787

<210> 22077
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 22077

ttctactttt gcgccattg tcaaaatgct cgtatgttta tacttaaaga ttctgtggtc 60
 cttggagcca aatgctgact ttaattgaac atttcagcgt cgtcaagctc gtgaacgctc 120
 agattatctt taccggagag ctttgcaact ccgcgatgct tccattgccg aaaaagagc 180
 gcagctgaag gagtcgctag caaccgaaa gcaactcgat ccatctatcg cgaatgatcg 240
 aaaacttcga gaggatttca agtttgacga atcactgccg acagcagaca agaaggataa 300
 agacgcagat cttctcgact tggacgacga atatgctctc acctccggta tcatcgatcc 360
 tcggccgatc gttacgactt cccggtctcc ttcggtgcgt ctaggaacat ttgccaaaga 420
 gatccgtctg ctctaccta cttccattcg tttgaatcgt ggcaacctag ttctccctga 480
 tctcgtggcg agcgcaaact 500

<210> 22078
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22078

aattggtttc gtggagcaag tttgtgcaag gtgaagcaac agttgacgct gctccccgaa 60
 cacccaatcc cagctttgcc acggctgttc taaaacaagc tatcaagcgg acggacctcg 120
 actggccgga gaagatcatg caggtctacg tcgcgcactg cgaagactac gaggactcgg 180
 aggaactgca gctcgcaatt ctggagactc gcaaggcaat gcgagctatc aacgcccgtc 240
 gtcagcggga agcccaggag gctgccgctc aacaggcagc ggccgcagcg accgaaaccc 300
 aggaggcttc tcagtcggaa aagaggaaac gagaagatga atcgacggca aacggcctcc 360
 caactaagag ggcgcgagca gacagagcgt cagttgaagc ggagccagtt gcgcttcgcc 420
 gtgatcgtga aaattctacg gttgtggtca agaacctgcc tcaaggcacc actgagcaca 480
 aagtcgaca attcttccgt gatgtatgtt tttcgtcctt ttgctaaatg cattagctaa 540
 tttcatatag tgcggtgcta ttaatggtgt caagatgatg cctggtgaag acggaaaatc 600
 ggaagtggct atgatcgagt tcaatactcg agacgatgca gccgctgcac agactcgtga 660

ccagaagact ttcgatggca acactatcca agttcacttc ggttccgaga cgaccttggt 720
 tgtgaccaac tttcccccta cagccgatga aaactacatt cgagatctgt tcagcaaagt 780
 atgtctccag ccccttgctc atatcactcc caatctaacy tttatagtat ggcgaaataa 840
 tagacatccg 850

<210> 22079
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22079

gaggcctgcg gaaaggccgt tgttgatcgg ctcggtaggt cgagctgctc gctgcgttcc 60
 aatcccttta ttctcgtgta gagcctgcta ataccgagcc aggtcaaaag caacatcggc 120
 cactctgagc ctggcgctgg catctctggc ttgttgaaga caattcttgc attggagaaa 180
 agtgtcattc ccggaacccc tacttttgag acaccgaacc ccgagagtat gtcaagtect 240
 ccaaccaatg caggacatgg attaacacca cgcagttgac tttgacggcc tgaagacgcy 300
 cgcttttcaa catgccactc cgtggcccag catgcctttc aagagggcga gcgtgaactc 360
 cttcggatac ggcggctcta acgcccattg aatcttggac gaggcaaaga ctggcgatc 420
 tgcacagaa atgtgcttca agtcgtccta tttacctgaa gaccatgatc cattogaaga 480
 atgcgaggaa aatgagaaat gctttcccca actgctagtt ttttcagcca atgacgagaa 540
 atcgtccag gagtatattc gcgctctgag agcccaccta atcaaccccc gcgtgcggat 600
 ctcatcgag gacctggcgt atacgtatc ggagcggcgg tctcggcatt tcaatcgtgc 660
 atttcttatt acacagacca gtctcaatct cgatctccat ggtttggtct ttgggaaact 720
 gcggtcgagc tccccacgag taggttttat cttcacgggc aagggtctca gtggcctcaa 780
 atgggaaggt ctcttttgga tatgtttcct tcaggaaggg ggcagttcgc ttggttagac 840
 agggcacttg 850

<210> 22080
 <211> 537
 <212> DNA
 <213> Aspergillus nidulans

<400> 22080

gcgtgccctt acgaacagca tttcaagagt taatgtggct ggtaccacct cctcctgcc 60
 acatattctc agaaacaatc cgcaagctca cttcttatga tgggcttccc atcccgtaac 120
 atcgagtctt ttccttctct ctgcgcatgt cattctaata ccacgccggg ggggtattta 180
 tgctcgcggt gcaacagcaa agtctgcggc cttcctgctg agtgtccatc ctgcggtctt 240
 actttgattt tatcaacca ccttgctcgg tcttatcatc atttattccc tctaataaat 300
 tgggttgaag tttcttggga acgtgcgcac cgcagcacga catgtttcgc atgcggtatt 360
 gcctttccta caatcccccc gaaagagcaa tggcaggcca ctcagaacct cgccaaggga 420
 atgagtgtaa gcagtcgtta cgaatgcaca gtgtgcgaaa atcatttttg tattgattgt 480
 gatctctttg ctcatgaggt ggtacataac cgccctgggt gtcagagcag ggttgtc 537

<210> 22081
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22081

cgttttattt ttagggatac cacgttcaga taacagctcg ctcagaagcc gacttgacag 60
 tggaaggtat tattcaaaaa gttggcgatg catcaggtgc gaaatatata caaggactcg 120
 aaaaaccgaa cgcgtctgtc ccaaaaccac cagtatccag caagccggtc ttactcctc 180
 tccgaactgg aggtatcaat gtgaacgcag ccgccgccgc tccactgcca ctaagagcga 240
 agaaaaacga cgacgacgga tggggccccc atgctcctcc cgttactcga accaatctag 300
 agaaagtcga gccggcttat aaaccgaccc gggtaacat acaggaactc aaatctgaga 360
 agcagaacga gccaacctgt aatcccagtc tcacaacagg ccaccaaccc gatgggtgtca 420
 tcaagggcgg atatcagcct atcggtaaag tggatattgc tgctatcaga aggcaggcgc 480
 gcgaggctgg caacctaacg gatgaccgac cagagcccggt caaaggcgca taccaaccag 540
 tcggcaaggt cgatattgct gcgattcgtg caagggctca aaaacctgat gagactgaca 600
 caagttcgaa gggaagttcc gcccgacccg atgggtcttc tggcccgctc acagacctgg 660
 attccactga atcaagccgc ctgacatccc tgcgtaagcc taaggtcacc aataagttcg 720
 ctagtagcac atcgtttgcc ggcgcaaagc cgccccttcc cgccgtcaat gcgttgagtg 780
 ccacgcctgt gcctcctata gggagagcta gtggagcaaa tgccgaccaa ggatgtgaga 840

cacctgcgcg

850

<210> 22082
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22082

atgcagcccc gggctgtcca gggatatgtg gatttcgact tcatctgcaa gcgttccact 60
ccttccgttg ccggtatcat ctacacattc ggcggtcaat tcgtcagcaa gatgtagggt 120
gcatatacaa ggatcgatgc tggttcatac agctgacaat atgtccgtag gtactgggggt 180
accagtgaia ccctcctccc tgtttaccag gacaccgcaa aggccatggc caagcaccac 240
gacgttgaca ccgttgtcaa ctctgcctct tcccgttccg tctacagctc tactatggag 300
ctgatgcagt accctcagat caaatgcatt gccatcattg cagaggggtgt tccagaaagg 360
gtatgtgagc tgtgtgctgc acaattgaag agacctcggc gctaacaatga aaacagcgag 420
ctcgtgaaat ccttgtcacc gctaaggaga agggcatcac catcattgga cctgctacag 480
tcgggtggtat caagcctggc gctttcaaaa ttggtaacac tgggtggtatg atggacaaca 540
ttgtcgcttc caagctctac cgcaagggat ccgttggtta tgtgtccaag tctgggtggaa 600
tgtccaacga attgaacaac atcatctccc aaactactga cgggtgtttac gaggggtgtg 660
ctattggagg tgaccgttac cccggtacta ctttcatcga ccacctcctt cgttaccag 720
ccgagcctga gtgcaagatc cttgttctgc tcggtgaggt tgggtggtgtt gagaaatacc 780
gtgtcattga ggctgtcaag aacgggtgtga tcaccaaacc catcgtcgcc tgggccatcg 840
gtacttgccg 850

<210> 22083
<211> 465
<212> DNA
<213> Aspergillus nidulans

<400> 22083

actcacgac gaccctcttc aagcccaagt ccatatgcaa acgctctttg agatccgcgc 60
cgaaaccctc tggactacct cgattccatg aaaccgcact tcaccgcgt cattggattc 120
cgaccaccg gttggactta ccggccacct gccggccgga ctctcgaaaa cccgcccgtg 180

tcaacagtac tctactcatc acattggaag acacccttct ccgtgcgaga cctaactcca 240
cagcgcgga gcacgcgga gaggcggtt ttcggcgtag cctatagcga gcacagctcg 300
tttcgagagt tgactatgtt ttgctgtgcc gttcgcattg ggcggatcat acccacagtt 360
aatgtgggta gtcaaaagag cagggagcgt atgaaggctt ggtttgagaa gtgggaggct 420
gagaagagga agagtgggct atataaagtg gagggagatg attgg 465

<210> 22084
<211> 613
<212> DNA
<213> Aspergillus nidulans

<400> 22084

aagcttgtcg acgaattcag ataagcagct aattttttta cagaagcaat cgaagaaaat 60
ccgagagatg cgcttgggta cattaatttt gcaaatttat tagacgtatt aggtgatagc 120
gagcgagcga ttttatttta taaacgtgca ctagagttag atgataaatc tgcagcagcc 180
tattatgggt taggaaatgt atattatggc caagagcaat ttactgaagc gaaagctgta 240
tttgaacaag caatgcaagc tggattacaa tcagctgatg taacatttat gttaggtatc 300
acacatgtac agcttggaaa tgatcggctt gcactaccat tcttacaag agcaacagaa 360
ttagatgaaa acgatgtaga agctgtattc cagtgcggac ttgctttgc gcgattagaa 420
cacgttcaag aggcgaaacc ttattttgaa aaggatttag aatggatga ggagcatgca 480
gatgcgtttt acaatttaag tggttggtacg ttttgagga aaatatgaga aggttttcct 540
ttatttagaa agcaactgaa attagtcaga tcacttttta ggggtaatgg cgttcggtat 600
tagagcagag gtg 613

<210> 22085
<211> 651
<212> DNA
<213> Aspergillus nidulans

<400> 22085

ccatgaaaaa ataggctgac ccatgtgttg aaccgctccc aagaatttag ggccggccat 60
gtacctcatt gaaagcatga tagtttacca cacaatgttg aataaggggc tcattcgaca 120
ccaccatttc ctcccgaact aaatccgcct caagatacga caaggtgtaa ccgcgatccc 180

cgtgatagcc atattgactg cgcctttctt cctagcctag gtgctgggtt ggtcaaagct 240
 gtacaacttt gcgagcgagg ctccatttcc tgcgtacacg tggctgcagt atccgctctt 300
 tgtctgcttc acggactttg gaatctattg gattcaccgc tggcttcattg ttccgatggg 360
 ataccgctgg cttcacaaac cacatcacia atggatcgtg ccgtcgccat tcgccagcta 420
 tgcattccat ccagtggacg gctggctgca gagtctgccg tatcacatct tcccgatatt 480
 gtttccgctg cagaaaagtg cctatctagg actttttgtt ttcgtgacct tatggacagt 540
 gttgattcgt aagtcgagcg tttaccgggg gcagtccttg ggaaagtaat gtttctaata 600
 ccaaacaaat gacgccaaat atctcactaa ttctgtgggt gtaacgggga g 651

<210> 22086
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22086
 gggagcaagc ttatgaacat aaagttaggc ataattttta aattggacca acagatccct 60
 taggttatag gcagtgttt tagaaaacca tgcaattagc ttgaaattat tcatcatcgc 120
 tatttaactt cggagaaggc ttggcaatag tggcaaaaa cattccatat aaattgacaa 180
 gtcaaattgt tgcaagttta caaagaaagc ttgatgtatg tatagaagaa gccgcgccat 240
 ttggacgctg tattatgcca ggtggtagcg agtcggcggc tattattcat attgctcgta 300
 ctgttgtaag gagagcagat cgctctatag tatcagtgcc aaaagaagtg aaaataaatg 360
 aagttgtctt aaagtatgta aatagattat atgattattt gtttgcgata gctcgagtaa 420
 taaatgcccg attacaagtg aaagatgtgg agtataaccg tagtgcatta gtttttcgtg 480
 ataagaaaga gaagtaagtg 500

<210> 22087
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22087
 ggatatctcc ggcaagaagt gaaaagcaac aacgcggcat atctcatttt cacttctggc 60
 tcaacaggaa aaccaaaggt aaggcgcaaa aaccccgaaa tatgtgtttt cgcgctctgac 120

tctttctagg gcacgctgct ggagcacagg gctttcgtct cctgcgtttt cgcctacggt 180
gcgccaatgg ggttgaatgc tgatactcgg aaactccaat ttgcagccca tacatttgat 240
gccagtctgt gtgagtcttt agcaccgctg atacacggag gttgcgtatg cgtaccgagc 300
gaagaggagc gtttgaacga catagtccag gcaatcaaca ggatgaatgt caactttatc 360
tgtttgacgc catcctttgc cggattcgtc aatccgtcga gtattcccca ggtgaatact 420
gctctcttgg tcggagaagc aatgtctcga acagacttag aagcatgggc gcatatcaag 480
cttctgaatg gatatggtec caccgaggcc gcggtttgtg ctgcaatcaa tagcaccatg 540
gacattaact ccgattgtcg tgatattggg ttagccacgg ggacgcattt ctgggttgtg 600
aaaccgaaca atcacgacca gcttgtccct gttgggtgcc caggagagct tctgcttgag 660
ggctctaccc ttgctcggtg ctacataaac aatccggaga agacagatga agttttcata 720
tataatccta cctgggcacg gcacgatcca aagcgcggtg atcgcagggt ctacaagact 780
ggagacttgg taaggtacaa ctcagatctt ggttcgctca ctttcttagg aagaaaagac 840
tcccagatca 850

<210> 22088
<211> 732
<212> DNA
<213> Aspergillus nidulans

<400> 22088
atgacgtcca cgatcgagc gaaaagcaaa cccctaccgg ccggcatata ctgccccgtc 60
ctgtcacttt ataagcctac cgtacgccag gagatcgact acgatgcctc atacaagtat 120
tttgtctacc taatccgcgg ggggtgtagac ggtctggtga tggctggaac gacagccgaa 180
gcagttctgc tgccagcaag tgaaaggcaa gagctgggcc gcgttgcgcg ccgcgctgcg 240
agtgatctga ggctccccag ttcccgattg tggctgggat cagcggcagt ctacaaacga 300
atctattcgt ctggcagagg aggcgcacga agcaggggcg gattttggcc tcttgcgtgcc 360
cccgctctac tgggtcaaag ccgtgactaa ggaggtgatt gtcgatttct atcgcgacgt 420
cgccgacaat agtccaatcc cgatcgtgat ctatagcgta tgctttaagc ttctgtacct 480
gctatacgat gctaatatag ttgtatgata gttccctgcc atgtgtaacg gggctcgacct 540
gaattcgaac attatgtcgg aactggcgca gcatcccaac atcgtcggca cgaagctcac 600

atgcggaaat gcaggcaaag tcacccgatt ggcgcacgaa tacgaccatg agcagttcgc 660
 ggtatacgca ggctcctcgg aaaagcagaa gccatgtctc attggaggcg gcacaggctg 720
 cgtgaccggg gt 732

<210> 22089
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22089

cggaactcgt tcagtcgctc tccctttggc cgctggaaac acaacgatcc tcaaaggctc 60
 cgagttgtct ccgaaatggt tctggttgat cggggatggt ctccgggaag ctggacttcc 120
 cgcaggctgc ttgaacgtga tctatcacia gacctcagat gcgcccgcgg tcaccaatgc 180
 gcttattgcc caccagacg tgcgcaagat tagcttcacg ggtagcactc ttgttggttc 240
 gatcattgcc tccaccgctg gaaagtatat caagccggtt ctgcttgagc tgggtggtta 300
 agcctccgcg attgttctag atgatgccga cctggagaag gctgcgatgg gctgtacact 360
 gggggccttt ctgaacgtta gtaactcgtt caatggacat agttcgcgga agcccgggtga 420
 atgctaacac caaccattag tctggccaaa tctgcatgtc gacggagcgc atagtagtcc 480
 aacgcctgt cgcgagaaa ttccagaagt tactcgttga aacatccgag aagattttcg 540
 gcaagaacgc gcctgcacct gtccttgtgg cgaccgctgc ggtcaagaaa aaccaaggtc 600
 tggtagctga tgcgatgat aagggtgcct ctgtcgtttt tggcgaccct aaagaaagcg 660
 agccatgcgc aaacgctctg cgccccgtta tcgttgaggg cgtcaccaag gagatggacc 720
 tctatgccac agagtctttc ggaccgacag tgtccctgat cgttgtcgac agtgaggagg 780
 aagccattaa ggtggccaac gacacagaat atggcctcac acggcagggt ttacgagcaa 840
 tctgttaggg 850

<210> 22090
 <211> 699
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22090

gacattgtgg agcggaccct caagcaactg ggccacaagg tgagttgctg tatgcccattg 60

ttcgatggaa agcctaacgt ggattgtcag gtcattgaat ggagcccgcc ttcgcacaaa 120
 accggcatgg agctagctgt acgtccactt tcccactgag aaccaactcc caacatctgt 180
 tgctaacaac cccaggacgc cgcttacagc ctggatgggtg gcgcagatgc gcagtaccat 240
 ttcggtttat ctggagagga acccgcgccg cagctcatag tggctactgg actgcctcaa 300
 aagacagctt tggagattgc caaaatcaac gtcgcgaaac gcgagtacca gaaactgtac 360
 atggactact ggaactcaac gtcagaggtc accggcactg ggaggccagt cgatgccgtc 420
 atttgtccgg cagcacccca tgccgctgtg attccgactc agtatagcca tgtgggatac 480
 acctcgggtca tcaacgtgct ggactacacc agtgtgggtga ttccagttac acatgcggat 540
 aagagcggtg atgcaatgtc tctcgagaat tccttgagaa ctggatgcag aatcgacaga 600
 actgtgagcg ttccagcttg tttagagcgc gacactgcag cctgaatga tgcgacctgt 660
 ctatggaccc ccatcggggtt caaatgtttg cgtgtgaga 699

<210> 22091
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 22091

ggctgcggcc gagtctatcg tgctcttgaa gaacgaggat aacatcctac ctttcaacaa 60
 ggagaagtcc atcgccgtga tcggaccaa cgccaagatc gccgcttact gtggaggtgg 120
 ctctgcatcc ttggatgcgt actacacaat cacacccttc gaaggcgat cagcacagag 180
 caagggtgag gttcacttcg cccaagggtc atactcatac aaggaccttc cgttgatcgg 240
 ccacctcctg aagaccgacg acggcaaaac gggcttcaag ttccgcgttt acgacgagcc 300
 cgcacccagt agcaaccgcg aactcctcca cgagctacac cttgtctcat cccagggtt 360
 cctcatggac tatcgccacc ctaagatcaa gtcttacctt tactaggtga acatggaggg 420
 ctatttcact cccgaagagt ccggtgtcta cgacttcggc gttgttgctg tcggaacggg 480
 gaaactcctc gtggatgatg aagtcgtcgt tgataacacc aagaaccagc gtctcggctc 540
 tgctttcttt ggaaacggca ccgttgaaga aaagggctcc aaggaactca tggctggcca 600
 gaaatacaaa attaccttcc agttcgggac agcaccaccc tcggacatcg acaccgcg 660
 ggtggtcatc ttccggcctg caggcttccg ctccggcgct gcccgcgcc agacgcagga 720

agagctcatt tccaaagctg tcgaagtcgc ctcaaagca gaccagggtg tcgtcttcga 780
 tggcttaaca agcgaatggg aaacagaagg gtacgatcgt ccggacatgg atcttcaacc 840
 aggttcaggc 850

<210> 22092
 <211> 474
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 22092

gcgtgggaac gacgatggcg aggtctggat tttgtcgggtg aaggagtgga catcatcatc 60
 gacggtaatg aggcaaagaa gcgcaagaag gagaaggggt gggaacttga tctgcgcaaa 120
 gnccgctacg ctactgctct cgaccaggtc cttggctcgg ccgacaggat cgcgcagctt 180
 acccttttct cagagctgcg gcaccgctct gcgcttcgtg cggccctgcg gggtcgtgat 240
 gaggtcacgc ttcagcccggt gctgcagtgg gtgtacaaga acatcacgga gccgagactg 300
 gttggactga gtgtggagggt agcaatgaat gtgttgata tctactctgc gaacctgggg 360
 cagtcggaac agatcgacaa aatggtagag cggctgcatt ggcgggtgag ggatgaagtg 420
 gactttgcgc atcaggcggt cgagacgaag gggatgttgg atatgctgcg tgct 474

<210> 22093
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 22093

cgcgggaaag tcttccctaa cactcgact gttccgcttc ctccaagccc gacgcgccg 60
 gattatgatg gacggcctgg atatcgaca tgtcaagctg tccgagctga gaagtcggct 120
 ggcaatcatt ccacaggatc ctgtcctctt ctcggggact ataaggctga atcttgatcc 180
 gttcggggaa catagtgact tggaactatt caatgcgctg gaacgggtac atctgctgcg 240
 gtttgaggat acgtcgacgc ttgcctccag ctctgcttcg gcgtcttggt cgggatcaga 300
 ggcctatcct ccgtcagatg gtagtcggag tccaactacg acagctggta caagcccaac 360
 tgaccccatg agcgcgagca taactctcac tgcttctca acctctactt caaaagccaa 420

agaaaccggc tttttcgcat ccctctctc tccagtaacc acgaatggcg gcaatctatc 480
 tcacgggtcag cggcagctcc tgtgttttagc ccgcgccatt ctaaccgctc ccaagatcat 540
 ggttctggat gaagcgactt ccgcggtgga catggagaca gacgcattga ttcagcaatc 600
 catccgcacc gaatttgga ggtccgactc gagtttactg gttattgcac atagactgag 660
 cacgattgcg gactttgaca agatcctggt cctggatgcc ggaaggggtt ttgagtcggg 720
 ggctccgaga gagcttctaa agactgaagg tggatatgtt agggccctgg ttgaaagaag 780
 tggggagaga gaagttgttg agaagattat tctgggtacg tccagagaag aatgatcttt 840
 agagttgaaa 850

<210> 22094
 <211> 661
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 22094

gcacaaccga ccctgtatgc ggggtattgga gattggagca gggaccggtg ggataactgc 60
 tacgatcttg ccagcgatgc atactcctca cggagaacga ctctatcaca gctatacata 120
 tactgatatc tcatctggat tcttcgagcg cgccaagag cgcttccgtg catacaaagg 180
 tgtcgactac cgggtactgg acatctcagt cgacatagct gcgcaggggt tcgatgcgcc 240
 ttatgatttg attatcgct ctaatgtgct tcacgccact ccaaaccttc agcaaact 300
 tgctaatttg aaagccttgc taaaaccg cgggaaactc ttcctacagg aacttgcacc 360
 caccaccaa tgggtaaact atatcatggg cacgctccct ggctgggtggc tcagcaatga 420
 tgaccgtcca tgggaaccat acgtgtcgcc gaaacgatgg gatgcagagc ttcgcgctgc 480
 cgggctgtct ggggcccata ccgttgttca tgatggccat atgaatgctc atattgtttc 540
 atccttgcca gaacttcgga gtgagaggga ccgacaagtt actgtccttt gtaaacctgg 600
 ttctgagcac ttgtactctg tcatcgncta cctncatact cgggatttcg aactgatacc 660
 t 661

<210> 22095
 <211> 767
 <212> DNA
 <213> Aspergillus nidulans

<400> 22095

cgatgcttgt cttcccggtta ccgcgcttca attatattgac cttgggtgggg tcagattcgt 60
cctcctgggc caggggacat ttgcgcgcct ggtcgaggag agcagcggga ggggtgctcgc 120
ctattttacga gtattcaaga taaaccacgt tcacggctat actgttcttc aaaaagacgg 180
tcggtcaaca ggccatgttc agcttgtggc atggggaggt cagtcgttga gactcgttga 240
gttgagctac tcaatcagct catgcggaga gcctgtcgtg tccttggttag cagcaagcgc 300
tgagtatctg gctccggatt gggttctagc tggatgcccg agcacggatg gcagtgcagc 360
gtatctgggtg acagcacaca atgctgtgct tggcatgtct gtggttagagg aggcaaacag 420
aagagccatt cacctgcgac aattagtagc cggagtcaaa tccatcctat attcagctca 480
gattgtcccg gtatctccta cgaacctctt ggtggcagct ggcacagtgt tcggtgagat 540
aatagtctgg tcatgctttg tctgcggcgg taatggctcc actgccaatg cagtcagttc 600
catacatcac ttttttaccg gacacgaagg gtccatcttt gatgttgaga tatctccgaa 660
gattgccaac ctccgtgggtg atctttctgg aaggctattg gctagttgta gcgatgatcg 720
aaccgttcga atttgggata tttcacactg tgagatcgcc tctcccg 767

<210> 22096

<211> 541

<212> DNA

<213> *Aspergillus nidulans*

<400> 22096

gcctcgctca gctggcttta tcacgctcgt cagagaccga gaccctggac gtgtataccc 60
cgacccgaac gacggccgag tgcaattga ctatgacgtt tccggatttg accgtaatca 120
catggttgag gggttagtcg ctaccgcaa gatttcttat atttcaggag ccagagagat 180
tcacacatca taccgggaca tgccgccatt cattcgacca gccgaagaca aggggtggctc 240
tcccctggga atcaacgac cagtgttcca ggcgtggatt gaggaacttc gtcgcaaggc 300
accgaagacg tcggaccggg tcatgtgggc aagcgcgcac cagatgggaa gttgccggat 360
gggtacatca ccacgtcaca gcgttgctga tccagatggt caggtttggg gcaccaaggg 420
cctatatgtg attgatgcat cgatcttccc cagcgcgcagc ggtgtcaatc ccatgattac 480
caacatggcc attgcggaac acctgagtcg aaagatcgcc aagtcgatgg agtttcaaag 540

<210> 22097
 <211> 605
 <212> DNA
 <213> *Aspergillus nidulans*

 <223> unsure at all n locations
 <400> 22097

aggcaggncc cataaaggag tggatatctc gttaatggcg tacgtatttc tttgagtcta 60
 ggtatggcta taggaggctg gaggggtgac taacctgctg ttgcagtcga cgcagggcca 120
 agagaactct tccccggcgt cgtcttgat ggatgcgccg gtgttctgat gaacgctcga 180
 aaggagttac attgcgaatt cacaggcgtg agcgcccatg ccggtggcaa tccatgggac 240
 ggctcaacg ccctagatgc actggtgagc gcctacaaca acatcgccat gttgcggcag 300
 cagatgatgc ctgacgaaag aatgcattgc gccttccttg agacacccaa agtcgccaat 360
 gttatacctg cccatacaaa ggcctactgg caggctccga gcccgcatt aaaggggctg 420
 aattcgttga tgtccaaagc ggcaggtgc gtcgaggctg gagctgcagc atcgggatgt 480
 gacgtgaaaa tcaccgagta agtcataatg gtggaagttc ctaaataatt cttcggctaa 540
 tactgggtgg ggggtggggtg caataggaaa gagcttgatg ccgacatcaa gctgaatgac 600
 acact 605

<210> 22098
 <211> 616
 <212> DNA
 <213> *Aspergillus nidulans*

 <400> 22098

atttgacact tcatcagctt tataaggaac tcccttgctc ctaggttcag cttgggaaaa 60
 gctaacgggt attagattga gcctacaact ttccggacct ggctgcggat actcgctagt 120
 attccaaatg ctgtgctttg gcttctccgc tttcctgata ttggcgaaca aaacctcagg 180
 gagacggctg tggcatgggc aggtgaggag acggcgtctc ggattatctt caccgatgtt 240
 gcacctaaga atacgcacat tgcgcgggag aagattctgg acttgttcct tgacacaccg 300
 gagtgcaatg ctcatagcag agcaactgac gtcttatgga gcggcactcc actgttaacc 360

ctccacgct acaagtacaa gatgtgttct cgaatggcaa gcagtatcct cagcagcgcc 420
ctaccgaaga ctgagtcggy gcaacaggcc cgcgaggaac tgatcgccct ctctgatgaa 480
gattacgaga agaaagcgat tcacctgtgc tgcagtttat tctacgagcc cggaggcgaa 540
agtcgagcga gaggcaagat tgtttgagct tcgcagaatg ctatttgagg gcgacagaga 600
agctcccttt ttgaca 616

<210> 22099
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22099

accctgggtg gtcctgtgtc caaggagacg cagaagttcc tgtccatggt ctttgctcct 60
atgattagcg gctatggtct gactgagact tcggccatgg gcgccttgaa tgaccctgga 120
gcgtggaacc cgaatgctct tgggtgaaatc cccgcctgca ttgaagtcaa actgggtgac 180
ttcgcggtatg ccgggtactt cacaagaac aatcctcctc agggagagat ctggatccgy 240
ggaggcagtg tgtcaacaca ctatttcaag aatgaggagg agaccaaggc agcatatgcc 300
gagggaggat ggttcatgac cggatgatatc ggtgaatttg acaagaatgg ccacctcaaa 360
atcatcgacc gcaagaaaaa ccttgtgaaa acgcaaatg gcgagtacat tgctctcgag 420
aagctcgagt ccgtctaccg atcttctcct atcgttggca acatctgcgt ctacgcagcc 480
gaagaccagg acaagcctat tgccatcatt gttccagtgg aaattgcttt gaagaagatt 540
gcgagcgaga acggtattga ggggtgactct gtagaaacc tcgtgcacaa cgagaagctc 600
aagtctattg tcctcaagca gctccagact gccggtcgtg ctacgggcct caagggcatt 660
gagattatca acggtgttgt cctttctgat gaggagtggc ctctcagaa cgtacgtctt 720
ttcttctctc gctttgtttc aggacgtaac taacatccaa cagggttca tgaccgccc 780
tcaaaagctc caacgcaaga agattatcaa caggtaccac aaggacattg accgtgctta 840
tggaagaaaa 850

<210> 22100
<211> 839
<212> DNA
<213> Aspergillus nidulans

<400> 22100

catgttttat caacacggta tggtatcttg tccgggcatc tggctttcta tcagtctcat 60
ttactaattt ttgcagaacc cgaacttgga agatgacgag gaagaccgga caaatacctg 120
gcgaccgatc cgctaccgtc tacctcctcg cagcatcatg ccatatgcct gggacttccc 180
ggcgacaaag aacaagtctc tcgtgttgga ttgcaagggc aaagaacggc ggattaggct 240
gaccgagatt ggaaacttga tacctatgag tattcctccc agtcagcctg gagaagcgca 300
gaagatcatc gacatcaata ttgttgctga tggccgacg cagactctgg ttttatcgaa 360
cttcaaagca tcaaagagta tatatcggca gcaaagatca caaacctcgc aaacgagcat 420
caatactggc ttggaagtca aggaatttga ctctgatgac aatttcaaag ctgagcttca 480
ccttggtggg atcgggtatct ccttaataca ccagaaaatg aaggagttac ttacatgac 540
gttccgtgat atcgaggta agttcaagga atcgaaggct taccagactc tgaacaccac 600
catcaaattg attcagatcg acaaccaact ttacggcgga attttcccta tgctgctgta 660
tcccagtgtc gtccccaaaa ctggtaagga aatggaagcc catgcatctt ggcatactat 720
gaggacactc gggaaggatg actcctatgg tgcgctgtac ataaagtatg ctactctgct 780
gatctagcag atgacgctgg aacctgacga ggacgggatc tgtgctatgc tagattaaa 839

<210> 22101

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 22101

agccgggtctc tatgaatcgc tgacatatc cgtctcaggg ctttcgctca aagaattcga 60
atgaaggtat actggattcc gaatttgctg ccttcgaatc aaacagtcct gtgggagcgc 120
ctctacccaa ccttcaacac gaaggctact tcgtggctcc ggccccccac atgcctatgc 180
cccatgccgc ggaggcgccg aactgggcag ccgatttcca aaaccttcat atctcggggc 240
cgtcgcgagc cattaattac caaccagggc catcagcagc tccgatgtcg aatgcgtcac 300
agcaagggtg gcacggtgaa ttcttaaggc aaccaacaac aacagcacag gcctgcatta 360
caggagaatc aggcactcgg tcaaagggtt caacaatcat ttaccccgaa ctacaccatg 420
aataactcaa tggctgttta tgcacctgga ccagaaacag tgcgtgtctc gaggaccgaa 480

gaatttgatg aatctgcctt tgacgctgcy tttgaacagg ccaaggcgga catggcatct 540
cagttcgagg agtcactcgt tgagacaaac gttactgaat cgaacgcaa taatgaagat 600
cagaaagaag aggccccctgc tcaacaaatt ggccatgaaa cgataagaat tgggtcggac 660
accatctcac aagttgacaa ggacgatcct caagcggcgg cgaacgatgc agacgaactt 720
gctcgaccg cgggccattt gttgaacagc gtcagccatg agacgaatca aaagttccga 780
gaaagcaatt tcctggcatt aatgcggcgc attcgagacc atgaggtcca actcgagggt 840
gatgaatttc 850

<210> 22102
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22102

atgttcggtt ttgagtcatg ggttggtggt cgctactcag tctggagtgc gattggtctg 60
tccgttgccc tctacattgg ctacgacaac ttccaccagt tccttgccgg tgcacacgcc 120
atggacaagc acttccgcga gactcctctg gagcagaaca tccccgttct cgggcgggtct 180
tttgagcgtc tggtagagtg acttcttcgg tgctcaaacc catctcgttg ctcccttcga 240
ccaatacctg caccgcttcc ccgcctacct ccagcaactt tccatggaga gcaacggaaa 300
ggccatcacc cgtaccggcg aatatgtcaa atacactacc ggccctgtct tgttcggcga 360
gcccgtacc aacgcccagc acagcttctt ccagctgctc caccaggga ccaagctcat 420
ccccgccgac ttcacatgg ccgctgagtc gcacaaccct gttgaggggtg gaaagcacca 480
gcgcatgctg gcctcgaact tcctcgcca gtctgaggca ctgatggtcg gaaagacccc 540
tgagcaggtc aaggccgagg gtgctgctga caacctggtg cctcacaaga ccttccttgg 600
taaccgcccc acgacctcca ttctggcca gaagattaca cccgccgcc tgggcgctct 660
catcacttac tatgagcacc tgaccttcac agaaggagct atctggaaca taaactcctt 720
cgaccagtgg ggtgtcgagc tcggcaaggt cctcggaag aagattcaga aggaactgga 780
aaccgagggc gagggcagtg gtcacgactc ctccaccagt ggtctactcc tcgccttcaa 840
gaagaaggcg 850

<210> 22103

<211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22103

```

aaagatgcaa gttgaccggt ttaccctcgt gaggcacgta ctgacagttg gcagaacttc 60
acatcagcgc ctccccctcg acgaacctac caagatcccg cacacccaga gctaacggag 120
atcatgctgg aagacgagtc cggacgactg cgacttacag gaagtaagct tcagtcagtt 180
caactagcga caggggtaat tatcgcggtg cttgggacag aaaacgcaaa tggagatttt 240
gaagcgatcg atatcaaggt tcctgatctc gctcggcaac cacggcggtg ggaaagagat 300
gaagcgaagg cacccaaaga agcgaagaag ggaaaaattg caatggtcag cggccttgga 360
ataacgggga cctcaagtga caccctcgcc cttgagctcc tgacagacta tcttctaggc 420
tacacgggat catctaaggg cgaagagggt tctccgccag atgctagtag gattacgagg 480
ttgatcatcg ccgggaactc actcggcgcg agcaccatcg aggcagcacc ggcaacggat 540
ggagtaccgg cgaaaaagat tgcgccaccag aagaagtacg gatatgacgc ttcagcgtat 600
aacgcatcac ctattacaca actggattcc ttcttggcag agctcctgcc tagcataccg 660
attacactta tgccaggcga gacgaccag cgaatttcgc ctgccccaac agccaatcca 720
ccgggcgatg tttctcggtc aagggcatac tgttccgcac cgcaatcgga gaagacaaag 780
tagagccggg ctggttcgac agcgtgacga atccttggga gggagacgta gagggatggc 840
gattttgggg                                     850
  
```

<210> 22104
 <211> 594
 <212> DNA
 <213> Aspergillus nidulans

<400> 22104

```

ttggtgcaa aagctgtcgc gattgtggtg gccctccagc tgctcagagg cgtcaaccgc 60
tacctctcgc aacaggcgca gaacaactgg gtccgcgcgc gcccgaggaa ttcgtcgcga 120
gaactggtcc tactcaccgg aggaagcagc ggtattggaa agcagatttt gcttgatctg 180
tcaaagttga atgtgaggac tataattgtc gatgtgaagg agcccgattt cagattacgt 240
gagtcgacga aacctatgtc tttgaaattg gaatatTTTT tttggctaata cacctgcgac 300
  
```

acagctccaa atgtattcta ttatcaagtg gatatcacct ctactgctgc cttgaaagag 360
acagcaacgc agatccggag agatcatggc catccaaccg tgctaataca caacgccggg 420
gtaggattgt cagggaccat tctcgaagaa ccggaggagc acatccgtct gactctcgag 480
gtaaacacgc tggcgcaact ctggacagtg aaagagtttt tacacagcat gatccagaac 540
gatcacgggc acattgtgac tatcgccagc atggcaagtt tcgtggctct gggg 594

<210> 22105
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 22105

cgtgccaaagg gctacgtgtc acacgggtgcc gtgtatgcag ggcattcgct cggagaattt 60
ggagccttgt ccgccttgtc tcggtcctgt cctacggggg cgttgggtcga gctggcattc 120
taccgggggt cggtcatgca ggcttcctgt gcgagcgaca acgacggagg gacaacatac 180
ggaatggttg cgatgaaccc gaagaggggtt gggacatgta ggtttcaggc tccctttggt 240
cgtgatgcga gagctaagat tgtaagtctt taccctaaact acgctggatc gcctagttag 300
ccagatcgcg gcccaaagcc aagaactact cgagatcgta aatttcaata tcgaggggga 360
gcagtacgtc tgctccggaa ctgtaagtcg cctaacctgt acgagactct tctaacaatt 420
aaaggcccg aacttgtacg ttcttggaag attgatcgac caattagcgg aggcacctgg 480
ccaagcttgt ctggctgaag aacagaacga actacagcct atcatcgact cgcttctcac 540
caaagcaaaa gcgcttcac gtccaatcca acttcagcgc ggaaaggcga cagtccact 600
agaaggaatt gacgtaccat tccactcaag ctttctgcgg aacaccgttg atcggttag 660
gcagtgtctc ttgcgtccgg ggttcttggt ggacaatatt gacgtggagc agctagtggg 720
caagtacatc ccaaacgtga tggcgaggcc ttttccatta gagagggagt atattcagga 780
ggcgtatgag ttgacgggaa gtccgattct gaagaagatg ctagctgagg cgtgagcttt 840
gcaaacaatt 850

<210> 22106
<211> 631
<212> DNA
<213> *Aspergillus nidulans*

<400> 22106

atggcggtta catccttccc ggccgattct cttgcttcaa tggaatcggg gaagcagacg 60
gtgcgctcga cgtcaacatg ctgagctgcc accgtgttgt cactccaaac actcttccga 120
agtgcagggg agatggaaac aacgttgagg aggaccgcac gaggcacgaa agccacggct 180
acgaatgcga cggcgtcacg gcgggcgaag actacgcgga cgaaatcgac aagcacgagc 240
accacaagaa cgaaaacgcc agcccaggat gttagcacct ttacaagtac gagtgcgagc 300
cttgccgaca cacggctttc aaatcaagaa aaattagttc ttgctacaga agtgttcaat 360
tccacgctga agacgctttc agatgccgtg aagacgggta tgtccatctc gaaagaaaag 420
aaggatgcga gccccacgaa acgcggcact accacgaaag gtcgggtgaa aacgagccaa 480
cccgaactaa cggataatga gaacgggtgtg tcggcggtag cagagtgtgc acggttatcc 540
ctctcatgtc tcaagatgtt gagaacggat gctattgtga ccgaagatgc caaattgcat 600
cttggcaggg gcttgttgtt gagccagtgc t 631

<210> 22107

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 22107

tgtgagtcta cagacgctga aggcgatctt cagcacaggc tctcctctgg cgccatccac 60
gtttgagtat gtctactcgt caatccatcc ggatatcatg ttgggttcaa tcaactgggtgg 120
taccgatatt ctttccctgt tttgctccgg ctgtccgacg ctccctgtgt ataagggcga 180
aatccagtgc cgaagcttag caatggcggg ctctgtgtat gattacgctg gtaacgacat 240
cagctcgtct ggcgagccgg gagacctggg ctgtaccggg ccattcccag cgcagccagt 300
tatgttctgg ccacctggac ccattggagt tgagaaatac cgcaaaagtt attttgacgt 360
ctttggctct tcaatctggc accatggaga ctttgtacgc ttaaaccctg aaactggcgg 420
agttgtcatg ctaggacgaa gcgacgggtg gctgaaacca gccggcgtag gattcggcag 480
cgctgagatc tataacatcc tgttgaaaca ctttgcggat gagatcgagg attctctttg 540
tgttggacgt agaaggaag ggatcgatac tgatgagacg gtagttctgt ttgtgaagct 600
ggcatccccg agcgactcgt tgcccccgga tcttgcacg cgcatccagg ctacaatccg 660

cagagaactc agtcctcgcc atgttccagg aatcgtggac gtttgtcctg agattccggt 720
gacgtcaaat ggcaagaaag tcgagaacgc cgtaagcag attctctgtg ggcttaatat 780
caaaatcggc gccagcgttg cgaatgcctc gtgccttgat tggatcgca catgggctgc 840
tcaacacca 850

<210> 22108
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22108

ttgcggggtg actcgacact tcgcggccac ttccccgatg agctagaggc ggcagaggag 60
ataattggag cggttgatag ctggatcctg gcgcctttct ttcgtcaggg agggcgtttc 120
actattgacg atactcacta tgtcttgac cctgttggaa atctagtacc ggctgcgcag 180
acaccgcttg ctaaggacgc tacttttggg gacgcgaact cgaacctcag gaactacgtc 240
gtggagaagt cggagggctc gattacggcg aacagagtgc aatatatctc cttggaggat 300
attcgcaactg gcgggcctcg agctgtggcg gagaagctca tcgcttctca aaaggggagt 360
atcatcatcg tcaatgctgt ggtcgatacg gatatggaaa tcttcgtgct tggtttggtta 420
gatggtacgt ctaatttctt ccttcatgat caagcaagct gacttcacta gcaaaatcga 480
agggaaaagc atacatctac cgaacagggtg ctgcctttgt atcgacgaga ctgggaatta 540
cgcacattcc tccattgaca ccagatctc tcggtctcag caccacacc tgtcaatcag 600
gtggtttgat tctcgaggc tcctatgtgt ccaagtctac cgagcaactg cagtatctga 660
ttgacggacg agggtcagat ctgcagggtga ttaccctcag ggttgaagat cttctgaaaa 720
gcgcccagga tgcggagcag atagctctgg acgcaaagga caaggccgga aatttcattc 780
tcgcagggca ggatgaccta gtcattgaaa gccgcaacca cataactaga gttgccgggg 840
tatctacttt 850

<210> 22109
<211> 684
<212> DNA
<213> Aspergillus nidulans

<400> 22109

ggtcctcttg actgactcga cttgatggat agtaaaactaa tgattgtaaa tgcagggttc 60
 gcagctgggtc ctctcctctt cggccctttg tcggaactat acggacgcaa acggccgcta 120
 atagccggat acgccgtctt tgtgggtcttc cagataccgg taggagtcgc ccgcaacatc 180
 gagacgctca ttctctgccg gttcatcggc ggtgtggccg catctgggcc cttgtctatt 240
 gcaggaggggt attttgccga cttttttgat cccgttcagc gagggctggc cctggccatc 300
 ttcagcggga cgaccctagt gggaccgatc gtagggccga tcctgggagg cttcatcacg 360
 cagaggtgag aaggggggag gacacactct gctagtctga tgacgcgagc taatgaaatg 420
 ccctagttac ctgcaatggc gctggacggc ctggatcacc atgattatgg ctgccgctgc 480
 tggcctcatc ggtcttttctg tcctgccaga gacctacgcc ccggtcctgc tccagcgcaa 540
 agctgccaga ctgcgcctcg agacgaagaa ctgggctctg cacgccaagt tgtatgccat 600
 ttgtgtcctt ctccccctct cctcttctta atcgatgcac agagacgagt cccctatcac 660
 catcggtccc gttatcaccg ggta 684

<210> 22110
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 22110

gacacagcag agcccggcaa agccgtacag agccaggcag ggccaggccg ccaaagcccg 60
 gaagcgtacg ccagccaggg tcagagccca acatcccaga ggccgtacag cccggacaga 120
 gccagccaaa gcccatcaga tcccagcaga gcccccaaag cgtgtaagta ttcgagagcc 180
 agagccagag ccgccaatg tgtcggcagc ccaggcccaa gccaggcgag gccagccag 240
 agtccggtag ggcccgtgcg agcaagccag gccagccaat cctgtcagtg ccagagcaag 300
 cccaagccg agcccagcga gcccggccaaa gccatacgcg ccatggagcc agacaagccc 360
 ggagggtcag gccaagtgga gatcgagagc cttagatgta gaggtagcct agaccgggtc 420
 agcgccaatt aggcgtacag gcacaacaga gggccagcgc ccaatgacag ccagatatc 480
 agcagccagg tcgggaatgc catggtcagg gttcagattg ttgcagttat tgccagagga 540
 gccaatagc ggccaatctg ggtcagccag agcccgtgta gattcaagca gttatccagt 600
 atttggcaag tagttgatat taggggatta tagatattat aaccagagcc agattgagcc 660

tataccagcc agagccagac ccagatcagg accagagcca gagagttgca gttcaagcaa 720
gcaactgtat caggcccaaa gcagtattat ggttggccag gcacgcgtgg gagccagtaa 780
atcatgggta ggggtaatat tatacagtca tagccagaca ggcagatata gtaccagata 840
tgcaccaaag 850

<210> 22111
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22111

ttccggaag agagcagcta agtatgatca tcgctgagtt cactgcgcga cttgaacgtg 60
ccttagaggt atgtgaattc agtttgcaat tgagtacgaa cattgagctg ataactacta 120
gctcacaagt agagctttgc cccgcctcga tgaggatgat cgcctctccc ccattctgaa 180
ccacctatct aagaacttcg gaagtgcgga gtccgtgtac acagaaggcg aaggcttcgt 240
ggatggcgct ccaattaccg ccgccagcat tgatcctctt tcacaacatt tcccgtctg 300
tatgcgtagc ctccacatgt ccctgcgcaa gaacaaccat ctgaaacatt ttggtcggct 360
ccagtacact ctgtttctca aggaattgg tctatccctt gaagagtgta ttctgttttg 420
gcgccaatcg ttcaagggtc tcaccgatga ggagttcaac tcccgttaca agtacaacgt 480
tcgccacgcc tatggtgatg tcggtggaga tatcaaccga aggggtcgcg gctaccacc 540
atattcatgt caaaaaattc ttagcgatac aaaccctgga gcaggacaga cgcattggtg 600
tccgtatcgc cacttttccg ttgataacct aatcgactt ctccaatcta ccggcggtgaa 660
cgacaaggac ttgttgocg gagtacgca agatgtcgag aagactcggt atcacattgc 720
ctgcaaccga gtattogaat atacacacaa agccgaaatc aagagagcca aggaagacgg 780
ctcagcgggt gaaatcgaac ttgataccat tgttcaccct aacacttact tcaagcgag 840
ttatctcctg 850

<210> 22112
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22112

tgacagtcga tttcccccta accgccacga atcttacgac aaacagcaca ttgcgcgctg 60
 aatcgtaggc cttgtatcgc acccataaga caggccctta cgccgacgca actggcgact 120
 tccttgccctt ctttccaact gtaaacttca cctctcaagc tgatgtcctc cagggcattg 180
 ctgctgatca gaacccgcaa gcctacctgg acaaagacac tccgccctca attgtggacg 240
 gctacaccgt ccagcataaa ctctcacaa gcggactcgc cgctacggat gaagcgcagc 300
 tcgtaatcat ctgggcggac ggcacgtttg tctcggcctc cagcatccct tttcacgggg 360
 cagcgtgctg ctagcgatcat ccgacccttt cgcgcaacct ctgcgggacc ctgcgtatct 420
 gcgtaatcct gtcgacgtgc ggatcctaata cgaggcgatc aagtacgcgc gctcggtaac 480
 cacaaccctt tctctggcgg catttaacct cgtcgagctc gtgcccgggtg gcagcatcac 540
 ctcggtatgaa gatctggaag cttatgtccg cggcgagta gactcgctct tccatccatc 600
 aggaacttgt gccgtgggta aatttgaact tggtagcggtt gttgatgtgg acttcaaggt 660
 acatggagtg aaaggtctaa gagttgtgga tgccagtgtg ttaccaatgt tgccggcgac 720
 gcatattcag agctcagtct atgcgggtgc tgagaagggtg agttcgcttt tgtttctcga 780
 atcttatccg tagaaacagc tagtgtgctt attactgatt ctacatcggt tggacaggcc 840
 gcgaaggcga 850

<210> 22113
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 22113

tttacacggg gtattgctgt gttcaggcaa catatgggga ttcttttttc tgacctagta 60
 cagaattgta tcctacaccg cgacatgaaa ggctagtccg cctgtatatt gaaggacgtt 120
 cttggctgac ccagcgcagc tgccaatcta cttataagca accaagggtat tctgcagatt 180
 gccgacttcg gactggcacg tccttttcgat gaagcgcccc ctccagccagg caaaggggag 240
 ggcgaggcca aaagagacta taccacatta gtcgtgactc gatgggtatcg tcctccagaa 300
 ctgcttcttc agcttcgacg ttatacttct gcgatagata tgtgggggtg tgggtaaate 360
 gactccaat cctatttgtc ctctttctaa cacttacagt tgcgttttcg gtgaaatgtt 420
 caaaggaaaag ccgattcttg ctggtaacag tgaccttaat caggcacaac ttatattcag 480

ccttgtgggt acgcctacgg aagagaatat gccaggatgg agctctcttc caggttgcca 540
 aggcgtcaag catttcggca acagaccagg gaatctcgca gaagtattca aagagtaagc 600
 cacctccgat cagctgtctc cataggattc gtaattaaat ctctgacata ttatagtcaa 660
 ggtcctatgg ccatatcttt gcttacagag ctcttgaagc tagactggcg aaaaagagtg 720
 aatgcgattg atgcgctgaa acatccttat ttctcgacac cgccactccc agcacgtcca 780
 ggcgaccttc cgagttttga ggactctcat gaacttgata gacgaagatt ccgtggacag 840
 cgggctgcta 850

<210> 22114
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22114
 tcgtagtagg gacaacctgc cgccgtcaag gtgtttctgg tgccccagtt tggagcgccg 60
 gtctcgcaaa agacgttttt caagggatgat aagggtcaat tgaagtggaa cgcgtcaggc 120
 actagcttga ttgttctcgc tcagactgaa gttgataaga ctggcaagag ttactatgga 180
 gagaccactc tctatctctt gagctctagc ggccagtttg attctcgggt tcatctgggt 240
 atgtcctcac aatcagcttc ttacacagcg atctaacgct ccatcagaca gagaaggccc 300
 gattcacgac gtcagctggg ctctacttcc taaggaattc ggtgtcgtgt acggcactat 360
 tccggccaag acgaccattt tcaatgttcg cgggtgtccc aaacacagct tccccctgac 420
 accccgaaac accattttgt tctcgcccca tggtcgtttt gttctcgtcg ctggccttgg 480
 gaacttagct ggtcaaatgg acatttacga catggagaaa aactacaaca agatcactac 540
 tgtggaggca gctaactcga gtgtatgcgc atggtcgcct gacggccaga ctattctgac 600
 tgcgaccacc agccctcgtc tgcgcgttga caacggcatc cgtctctggc acgtcagcgg 660
 agctctgttg tataacgagg acattaatga gctctacgac gttttctggc gcccgagtc 720
 gacgattcag caccgctgg gcgatccgtt caaccattg cctgctccgc acgcctccgc 780
 gatagttacc tcagcacaag aaaggctcca gtcaagcccg ccggtgcata ccgaccccct 840
 ggggcgcgtg 850

<210> 22115

<211> 791
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 22115

```
gccgggatca taaaaaggcg gcggggggaa acaaaccccc gccaaagacag aaagaagacc 60
aagctccgac aaaagacaca gcagcgaata caggaaaaca ggatcgaccc aaagacaagc 120
acgaacgaaa caaacaccga cccaaacct aactcaccag gcaaagcgtg cgacaataac 180
aaccacgcca gcgcacggca ggaccaacca cgaaaaagca caaaaccaag aaggaccaag 240
ccccgaacgc acggaaaaaa ccacgacaaa aaagaaagat ccggaggacg agcaggggtac 300
tcgaacacag gcaaacaacg aagcccacag acaagacgag aacaaaacct acagcaaac 360
accagacgcc tcgaacacac tgatcacaac cgcgaaacccc caaaaacgcc aaaaaagggc 420
aaaaccacac caacgaaacc acatcccca gacgcacacg aacaccaaca cactcctaac 480
aaaacggaga cccgacgcag ccggaaacct gctccagaac gccacgacgc caaatatccc 540
gaaaaccaac caaaaaattc aagcgaagaa ccacagctga aagcccgaca cggacaacgc 600
cacgaggaaa aacccttaca agagacggcc caacaacccc tcacaaaccc cccgataacc 660
aaccaaaccc ccacaaaccc tcacccattc acctcgaata taantaccac tcaccctac 720
aaccggaag caaaaaaac cccccccct ccaagacaca ccctacgaga caccacagcc 780
acattccac c 791
```

<210> 22116
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 22116

```
tgcgctgta gggagagtgc tatcgctgca aacaatcgga gtcgagttct catctagaat 60
tgtgaagctg ggcaccgggc cccgacggac aagaattaaa ttgcaactat gggatacggc 120
agggacggag aggtttcgat cgggtgctgag gtcgtactat cgccggagctg caggtgctat 180
tctcatttat gatgttgcat catacgcac gttcaactcc cttccgacct ttatgatgga 240
tgcgcgggcc cttacatctc cctaccttac tgtcattctc gcggggaaca aaacagacct 300
cacgcaagac gactaccatg aggatggcat gcgccgccc atcacccct ccagcacttc 360
```

aagcccgcaa tcttcaactcc cgtatgactc cacggctggc tcgtttcgtt cgagcaattt 420
tggtactgca accagaatga cggccacgta tgcctcgcac ggtcgcgaag tcagtatgga 480
agaagcttcg caatgggctg ccaggtctaa tatacccgcc gttgtcgagg tctcagctct 540
cacgggggac ggtgtggaag agctcttcca gcgattagcg cgcacatcc tcaccaagat 600
tgaactcggc gaaatcgatc ccgatgaccc acaaagcggc attcagtagc gggacggcag 660
tccctatggc cacggcacga gcgatgcttc aagcatcaaa agccaaatga ctatcgaaga 720
caatgccgta cagcttcata gaaggaatac aagacgacga ggcggcagta actggagggc 780
aagcatgaac gagtgggaag atgttttccg tgtgagcgga tcacataaca ggaaaagttc 840
aggctgttgc 850

<210> 22117
<211> 850
<212> DNA
<213> *Aspergillus nidulans*
<400> 22117

ctgtctgggc ttcatcttc ttgtagtcgt caacgtgctt gcctcatgca tactagcctt 60
ggcgtagga tggaggcttg ctctcgttgc tatctttgga tgtcttccac cgttatttct 120
tgccggctat gttcgggtca ggctggagat cacctgccag gaacggacga caaggctcta 180
cttagaaagt gcccggtttg ctacggaggc gatcagtgcc attcgcactg tagccagtct 240
cacgctggag gaaaagggtca ttcagatgta tgatgaacgg ttgtcgcaca cctcgcctaa 300
gttcatccga atcacccttg tttcggccat tttattgggg ttatgcgaaa gtctttatct 360
tgccacacta ggcctaattct tctggtacgg ggtcaagctt ctatcacaag gggaatacaa 420
cgtcgaaacg ttcttcatgg tgtttgttgc cgtgatcttc ggtggtcagg cagctggatt 480
cctgctcggc tatacagtga gtaagtatac gtttgtatat gcttgtgtac ctcttctctc 540
ctccctttct aatagggact atctagatac cgcaaaggca cacacagctg caaacaacat 600
tatacatatc cttggctccc ggccgtcaat aaacgcctcc accggaaagc aagagacagt 660
ccaattagac tcggacactg ccatcgagtt caaggacgtg cacttcagct atccagccag 720
gccacgggc cccgtgttgc agggactatc cttaaggtg aaaaagggcg aacacattgg 780
ccttgtcggc gcttctgggt gcggtaaagac cacggtgata tcgctactgg agagattcta 840

cgaggctggc

850

<210> 22118
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22118

ggcttccaga gcgaggaagg cataggctgt cttcgaagag tcttgactgc ctacagttgg 60
acgaacgctg agattggcta ctgtcaagca atgaacattg ttgtcgcagc attattgatg 120
taagatgccg catcccttgt cagaccgaag tctaaccaga ctagatacat gtcagaagcc 180
caagccttct ttctactctc tgttctgtgc gaccgtttag tgccgggata ttactcgacc 240
accatgtatg gcacattgct tgaccagaag gtgtttgagt cgcttggtga gaagactatg 300
ccgattcttt gggaccatct gaacaaatct gatgtccagc tgtctgtggt ctctcttccc 360
tggttccttt ctttgtatat caactccatg cccctgggtg ttgccttttag agtcctcgat 420
gttttcttct tgggaaggacc gaaagtgtc ttccagggtc gattagcaat tctccgcac 480
aacggggagg aacttcttga cgttcaggat gacgggtctt ttatttcagt cttaaaatcc 540
tacttttcac gccttgacga gtcgggtcat ccacggtccg agaatccaaa gctcagagct 600
atcacgcggt tccaggagtt gatggtggtc gctttcaaag agttctctca aatcactcat 660
cagaccatca ccgaacagcg tgagaagcac aaagatgcag ttttagagaa tatcgaaagc 720
tttgctaagc gcacatcgat acgaaatctc ggccctgaaa gcaagaaatc cagttcagac 780
gatttaggag caatctatgt cagcatattc ggaagttatc tatgactacc agcaaaggca 840
aaaggtatcg 850

<210> 22119
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22119

ggagctggac actgcattat tgaaattcag ccatgaacta caaaagcgcg gtctgccaac 60
tgactttaag actgtcgacg atctgacgct cgttatgaac gaagtgaaga accatgttat 120
agaagaccta tgcctctggg agttttacgt tctcgacggt aagagcaatg ctcggagggt 180

tatagacgag tggaaagtat ccacaaacag cgatatagaa cgtgggcgct gggcgcagct 240
cgatctagga gcctacaaag cgtggtcatt ggaagatcag gcaagcctca ttcgccagaa 300
aggagtcccg actgcgggcc aaatcctcgg aagatacagt cgagaaattg atactcaact 360
cggggtggcc attgctactg cactgtttgg aaactttgac gccacgtcgt cggacttgac 420
tgcggttgag aataccctgc gcaagctgct cgacgtagtc aatgtgccgt tttacaagga 480
gtacaactca gatgtcaccg aaatcatgag tcagcttttc aatcgtatca agtacctgag 540
gattgatgac catggaccga agctcgggcc tgtgaccgac caaaatccgc tcatagagtc 600
gtacttcacc agactgcctc tgaacgaaat cactaagaaa cacagcccca aagcattagc 660
cctcgccaac aatggctgga tatggaacgc ggatgctatg cgcgataacg ctgggcccac 720
ttctagggca tacctacggc gagaagtgat tgtctgggga gactgtgtca aattgcggta 780
tggagatggc cctgaagaca accctttctt atgggacttc atggccaggt acactcgctt 840
aatggccaag 850

<210> 22120
<211> 568
<212> DNA
<213> Aspergillus nidulans
<400> 22120

gcaggctgac tctagaggat cccctactc tgccatcaga tgtaaacc accatgcttc 60
cgactctgaa gagaattata cagaacaaaa ttctgttag gatcttcagg taatagttct 120
attaaaaatc tcctactgct tttatttctt actgcacctg tatttgtacc taacacttag 180
cttgtcgaca attgcagtgg agatcaagat tctgtagttc catttctggg aacacgaact 240
atcgtaggag aactcgccaa cgatctcaat ttcaagacga cagttccata tggagtgtgg 300
ttccacaaaa gacaggtagt tagcttacac cattaaacaa gcagcaagtt ctcaaacaga 360
ttgtgaactt agttatggat gtatgggatt ttgactaggt tggaggctgg gcatcgagta 420
tggaaacctc ctaacttttg caacagtggag aggagcggct catgcggtgg cgtacacgca 480
gccctcacga gctctgcac tattcagcac ctttcttcgt gggcagagat tgccaacaag 540
acagatattg ctatgcatga ctgaaaga 568

<210> 22121
 <211> 465
 <212> DNA
 <213> Aspergillus nidulans

 <223> unsure at all n locations
 <400> 22121

```

caagctcgac atcgctcgtgc gaactcagga atcgcgatcat ctgtctcagc tgagnagtat 60
actgtccagc aatggcgcca gataatggac gtcaaacctc gacggcgcggt tctggacgcc 120
tcaggcagcg gcgaatatct ttcaagaacn aagggtccgg aaagggcagt attgtgttta 180
cagcgagtgt gagcgcaagt ctggtgaatg tgccgcagaa ccaggctgct gtatgggccc 240
tccttattcc ctctgtatgc cctaagtttg tttcggagag ggacggctaa cagaggctct 300
acacgtgcag tataacgctt ccaaagccgc cgtggtccaa ctggcaaaat gcctttctgt 360
cgagtgggtc gattattgcc gagtcaactg tatatcgcca gggttcatcg ccacagagat 420
actcgaccac catccgaagg agtggaggga gaagtggtag gatata 465
  
```

<210> 22122
 <211> 734
 <212> DNA
 <213> Aspergillus nidulans

 <400> 22122

```

tgagagaaagt ctattcaagc agcagcatat atcccgatcc gatttgtcca gtctcagatg 60
gcagccttga cttacaagcc atcgtagctc tcaaagctcg tgcagctgct aaaggagag 120
cagtccgagt tggatcacga agacgaacag gcaatcattt ggtagcagc cagtctatac 180
ggtagctcgg cgataccac agttattact ctactacgt tcacctagc catgatcctg 240
tttcccgatg tgcagcgcaa ggctcaggaa gagatcgacc gtgtagtcgg aaaccgcctg 300
ccaggcttta aagaccgga aaagctgcca tatatcaacg cgtagtcct agaggcgctg 360
agatgggtggc caattgcacc catgggcttc cctcacacag ctctgagggt tttgaataca 420
acggccttta tatccccagg ggcatacct cctccggcag ttgggtgggt cctacatgac 480
catcagtgtg tgacaacccg gaaatattcg acccagaccg tttccttgag ccacgaaacg 540
aaccactcc tatgactgag gcctttgggt atggtcgaag aatctgcctt ggccggttct 600
tcgaggactc aagcctcttc ttgaatattg cgcaatcatt ggcagtcttt aacttcaaga 660
  
```

aggcagtgag cagtgacggc aaagagattg agatcgacgt taagccaaag ccaggcctcc 720
tcacgtatcc gact 734

<210> 22123
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 22123

ggcctgatca gctccacgtc cgcacgcagt aaccaggaat tcttcgcctc cgactttctg 60
gtcttattta tccatcgctc tctcttctgt tatcaacgaa gtacctttcc ttcctcctgt 120
tctcacattc cctttttcgg tctccctcaa tatgacgaat aacaagttaa cgggcgctga 180
tgtcgccaag cacaactcca aggactcttg ctgggtcatt gtacacggaa aagcctatga 240
cgtgaccgag tttttgccag gtatgttcta ccaattccat cgagtgcac agcgatatac 300
tgacaattga cgattaagaa caccctgggtg gccagaagat cattctcaag tacgccggca 360
aagatgcgac cgaagaattc gaccccatcc acccccaga taccctcgac aagtacctcg 420
actcctcaaa acacctgggc gaagtcgata tggcgaccgt tgagcaggag gagaaggcgc 480
tatctcccca tgatgatgct 500

<210> 22124
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 22124

gggggaagcc aggcgtgtgt ctcaaatga ccgctgttcc tttgttcacg aggctattat 60
atcttcttga ccatttggac tgctggctta cttatccgt ggcacaacgg gtggaaagtg 120
ccgtactcaa cgggtaacgt ctcgctcgac gcctctactt aatgccaaca tagatgctgc 180
tttatctggt gcataatctg ccaaagatac tacagtgcgt tcatgtacca cagtcgatct 240
ctgtgatggt gaacaacgat ctccagcagc tgccataaga catgtcatac gtgccgatgc 300
cattgacgtc acagatgaca tcggcagcct agattgactg tccgaactta tgcctattgt 360
cattactcag catatcatcc tgtctgcgga cgaagcaatg atactaacia ctgcgatgcc 420
cgggaggcct gtttcgctgc attcgtatag ccatcgaagt catgcgcaac tattgtcagt 480

gcgctggaca ggtgcctgat

500

<210> 22125
<211> 828
<212> DNA
<213> Aspergillus nidulans

<400> 22125

acgaatatga atggagacgg cgtcgcgaaa cgcaagcgca actccatctc cgcggcgggcg 60
gagcggccgg tgaagcacct gaagcccgaa aactctacac tcacccccgg cgacaccacc 120
ccagccaatg ggaccgttta cgatgtcgag gacaatgaag agctagggcc gttgatggcg 180
attgggccga cgcaggcgga ttcaccagaa tggcaggcta cgattgaaga ggtagtgaag 240
agtgtcgtct caattcattt ctgtcagact tgttcgtttg acacagagct gtcaatgagt 300
agtcaggcca ccgggtttgt cgtcgatgcg gagcgcgggt atattcttac aaaccgacac 360
gtcgtctgtc cgggtccgtt ttggggatat gtcattcttg ataaccatga ggaagtaagt 420
cttctgctag tgaccttga ttcaaattac aacctaaact aataaatcag tgtgatgtct 480
atcccgtgta tcgagacccc gttcacgatt ttgggttcct caagttcgac cctaaagcta 540
tccgtcacat gaaactcaga gaactgaagc tgcagccgga tggagcccgt gtgggatcgg 600
agattcgagt tgtgggtaac gatgctggag agaaactgag tattctctct ggtgttatca 660
gccgactcga tcgcaacgcg cccgaatacg gcgatggcta cagggacttc aacaccaatt 720
acattcaggc tgccgatgca gccagcggcg gtagcttcg caggccggga gtaaacattg 780
atggaaatgc gatcgccctg aaagctgggg gcttgcaacc gccttttc 828

<210> 22126
<211> 422
<212> DNA
<213> Aspergillus nidulans

<400> 22126

tccaaaagtc agcccgcagg aactcggtc agcagggcac tactatggcg cctacctga 60
gccgggcca aagcaatacg acatccgagt ctccccagc aatgccgggt agtccggcc 120
gaggctctgg agtcgttcct attgcggctg cccgcctaa atctagctca gggcgacta 180
cgtctccggg cacaacaac ggttggtgtg cggtacaggt ggctcctaaa cgtcagcgta 240

ggctggaaaa ggcctctgat gttgatatgg cggaagccc gtccagtacc tcgtccggtg 300
gacgatccaa ggttggtcca ttggcgccgg ctatgcctcc agcgccgctc aaccagcca 360
accacagtat cgctgctggc cagggcgcaa gccaggaatg ggagtgggtg acgatgagtt 420
tg 422

<210> 22127
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22127

aaagatttcg ccagtttcag actgggcgtc tatgctggaa gcacctcttc catccacatc 60
gatcgacgcc ttcagccagg aggaagttgc ggcggtctac agtctgctag aatacatccg 120
gtccagtgtg cagggcttta atctaaagct gcaacccctc cgccgccgac atctaaacga 180
atctatgagc attgaccgta acagcttgag agggcttgaa atactagagt cagcgcgcgga 240
cagcttcaaa ggcagcctac tacatgcagt gcgtcggacc tccacaaaaa gcggagcgcg 300
actactgcga gatcgactaa catctccgtc aacttcatta cctgtgatca acgaacgtct 360
cgatctgggt tctgttttta ttgaggatag tgagatacga aatgatctag tacagctggt 420
gaaacgcagt tacgatgcc aacgtttggt tcagaaattt actcttggga agggagatgc 480
agatgatttg atctgccttt caaagtctat agaagcctca aagaatgtca agcggtatt 540
atcgcccgcg agtaacgcaa gctcagagta ttctcgaaa tcaactcaga aaatggttga 600
tcaactctat ctagatgggc caacgctatt ggctgacaag atcctgtccg caattgacga 660
agaagggcta ttgcagaagc agcgtatcga ggaagacact gcagctgaag ccgctattct 720
agcccagagg ttacctcaa tgaaggccca ccggtgttcc ttgccagttt gccaaagaaa 780
gtccgggaaa agaccactga gcgcacagca accgccgaat cctccctgtg cgagacgtgg 840
attatgcgac 850

<210> 22128
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22128

agccttcaac cactcccaaa gcaatgatgc cgaatccgaa tacgatcgtc ttcgcgacct 60
 cgcaagacaa gaagcctcga agcgcaactc ctgtttccag cgcgtagctc caccacaaac 120
 ccaccaactt accttaaaca ccaacaacca caaacctctt caaaatgcta aatagtgatg 180
 ctaccagtcc caagaagcat acgcgtccgg cgacggcgca gcagccaaag aactcagcga 240
 gcagggcaaa gcgcacggcc gcaagatgga gggagtataa ccgacaagcg tcagagttta 300
 tttttcgcga gaacaacgcg cggggcgcg ttgatgcgga tacaatcgat cttacggaca 360
 atttgttgaa gaagcagaag atatccttga gagaggatta agtccgcgag aagtcaaggg 420
 cagactcatc tgcattgtga tgtcttagcc tactctactg ggcagatgga tttcatgggt 480
 ggctttttga atggtaggct gactggcagg gacttctagg attggtggca agggaaacca 540
 ttccgcgaac catgttcaga agatcaagcc gcgcgtggag aaggctctgtc gcgagctggg 600
 cctgcaatat gcgacggagg agaatgaagg cagaatctat gtcaatctta ctggcgggcg 660
 ggcgtagagt cttccttcca aaccgtcgca tggacatgga catcaacaac agcactacca 720
 acaaccgcat caacaccagc aacagcagca gggtaaccag gatgagattg agcaagtcgt 780
 caatgcgata ctgccgcggg tgctgcgcaa gctggagaag gcttgctgtg ttgttatgta 840
 ggcgtttatc 850

<210> 22129
 <211> 694
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 22129

gtcttttggtc cattgatcct caggggggtgg gtttcgacaa tacaagacca cgctgctgaa 60
 tatgccattc ggcgcgtttc aatggatatt catcctgctg gccagctatc tcgcacagaa 120
 agcgcggtta aaaagcgttg ttcttgcgct gtttatgctc cccgttgctg caggacttgg 180
 agttctttac gccgtgccac gcgatgactc ggcacaggga gccctcatgg cagggactta 240
 cctgcttgcc ttctcttctg gcgggaaccc gatcatcatt gcgtgggttg tggaaaacac 300
 cgccggtatg accaagcaaa gtatagtcac gagtctatac caggetgcct cggctgggtg 360
 aaacatcgty ggtccgctgc tcttcaacga caaggactcg ccagagtatc tcccgggcct 420
 gcaggcctgt ttaggtatct tttcggcctt ggttgctgtc gtaggaatgc agtggctgct 480

gctgttcttg atgaataaag gccaggaacg gcggcgtctg gcaaattggga agcccgcaaa 540
aatggtggac cgctcgatgc atgggaactt tcaccaggcg gattcggatg agagcgcggt 600
gggtgcgggt gaggatggtc aggaccagca gactgggaat aatgcgttct tggatttgac 660
agaccgggag aacgatgagt ttgtgtatat ttac 694

<210> 22130
<211> 740
<212> DNA
<213> Aspergillus nidulans
<400> 22130

gctcaggaca agatggaacc ctctgacaag cggtatggag agctctatcg acgcacaaat 60
accgatgaaa tatcgtcatt gacggtaatt gcagggtccc cgtaccagtg gtctcaacgc 120
gccgatcatg gagctcacag gtgaggctga atgcgatcta cctggaataa ctatgctaatt 180
acaagacttc aggtcattct ggtgagggtt tcgccgtacg atttgaccca acggctcagc 240
acatcgcatc cggttccatg gatcgatcta tatgtaagtc aagactagga catgaactcg 300
aataatgact aacttgcatt tacaagtagt tctggaacac ctatgggcaa tgcgaaaatt 360
acggcattct atctggtcac aaaggcgcta ttcttgacct gcaatgggtca cgagactcca 420
aaaccatatt ctccgcatcg gctgacatga ctcttgcaag ctgggatata gagtctggcc 480
agaggatccg gcgctacatt ggtcatgaag aggtcataaa cagtgtcgaa attagcaaaa 540
gaggccaaga aatgctggtc agcgctagtg acgatggtag gatggggata tgggaccctc 600
gacagaaaga ggcaatcgat tacctggaaa cggagcttcc tattaccgcg gtggcacaat 660
ctgaagctcg aaatgaggta ttcagtggag gcattaaaaa cgcaattcac gtatgggaca 720
ttcgaagaaa ggctatagct 740

<210> 22131
<211> 850
<212> DNA
<213> Aspergillus nidulans
<400> 22131

gcacacctca gatgaaccga gaaaagttga tccgcaagaa ctctccgacg agaaggtgat 60
cgagaactac aaggcctcct gcgacgggtg tatectgaaa gtcattgagca agatgggtat 120

ctctactcta gcatcttaca aggggtgctca gatTTTTgag gctcttggtta ttgatgacag 180
 tgtcattgac cgctgtttca ctggcactgc aagccgtatc cgcggtatga attttgagct 240
 gatcgcgag gatgcgttcg ccatccacga gcgtggttac ccatctcgtg ccatcgtcga 300
 tatccctggt cttaatgagt cgggtgagta cactggcgt gacggtggtg aagatcatat 360
 caacgatccc gtcagcattg ccaatatcca ggatgctgtg cgcacgaaga acgacaagtc 420
 ctacgaggca tacgctaagg ctgccacga gcagattaaa aactgcactc tgcgtggtat 480
 gcttgagttc gactttgacc agcggacgcc cattcctatc gaccagggtg aaccatggac 540
 agagattggt cgccgattcg tgactggtgc catgctgtac ggatctatTT cgatggaatc 600
 tcactctacc ctggctgttg ccatgaaccg tctagggtga aagtctaaca ctggtgaagg 660
 tggtgaggac ccagagcgca gcaagcgcat ggcgaaacga gataccatgc gctctgccat 720
 caagcagatt gcttctggcc gcttcggtgt cacatccac tacctcgcag acgccgacgc 780
 actgcagatc aaaatggccc aagggtgctaa gcctggagag ggtggtgaac ttctgggca 840
 caaggtcgtt 850

<210> 22132
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 22132

atcaggatac tgttgTGcaa caacttcac gtgttctgcg accattcctt cttcgccgcg 60
 tgaagagtga tgcgaaaag agtttacttc cgaagaagga agttaatcta tacgtcccca 120
 tgtccagcat gcaagtaaaa tggatatcaa aaattcctga gaaagatatt gatgccgtta 180
 atggagccgg cgtaagaaa gagtccaaaa ctgccttact gaatatcgtc atgcaactgc 240
 gcaaattgctg caaccatccc tacctcttcg aaggggcaga agagggtcct ccttacacta 300
 acgacgtaca tatcatcaac aattctggta aaatggtgat tctcgacaaa cttcttgctc 360
 gcatgcaggc gcaggggagc agagttctca ttttctctca gatgagtcgt gttctggaca 420
 ttttgaggga ctactgcgcg ctccgaaagt accaatactg tcgaattgat ggcaactacg 480
 ctcatgagga tcgaattgcc gccatcgatg aatataataa accagattcg gataagttta 540
 ttttctcct aaccacaaga gcgggagggt tgggtatcaa cttgacgact gcggatatcg 600

ttgtgctgta tgacagcgac tggaatccgc aggccgattt gcaggcaatg gatcgtgctc 660
accgcattgg tcaaacgaaa caggtcgttg tataccgggtt tatcaccgaa tcagccatag 720
aagagagagt tctggaacgt gctgcgcaga aattgcgatt ggatcagctt gttattcaac 780
aaggtcgggc tcagcaacag gccaagaata ccgcttccaa agatgagttg ctcggtatga 840
cccgaggagc 850

<210> 22133
<211> 850
<212> DNA
<213> Aspergillus nidulans
<400> 22133

atgcggacct ccagcaatct agacgaccga accctacatg agctctacct ctggccctgg 60
atagacggtg ttgcgaatgg actgggttcc gttatgtgtg tcatgaaccg cgtcaatgga 120
atcattggct gtgaaaatga tcacattatg aacggcattt tgaagaatga gaccggtttt 180
agaggtatta cccattgtg atagtcttct tatttcttca ctctggacac tgctgaaatc 240
acaggtttca tcgtccctga tgtcactgcg cctgtggaca aggctgccgg cctgcttgga 300
ggggcttggc tggaactcag ggtactccgt ctcggagatc atggctgctg tcaagaacgg 360
aagtatccca gaaagcgtca tgactgaaca tgcgttgaga atcgtggcca cgcagttgaa 420
cctccttcag ccacctgagg agtacgcatt tctgttgag acggccgacc tcaacgtccg 480
agaccccagc agcaaagact tcatccgcag agccgggtcc gagtcaatcg tcctgctcaa 540
gaacaaaaac aacaccctcc cctccgcag cccgatgtcg ctggggatct ttggcaaaga 600
cgcggccaat ctgccacgg gaccgacgcc gcagtcggac ttttctaact tcgcaggcga 660
tacctatgat ggacacctca tcaactggagg tggcagctac tcaccagctc cgtatgtcgt 720
gtctccgtta gacgccctca cggcgagacg cgagatggcc agggcttttg ttacaaatac 780
attctctcag acaactggac cgtcacgect tccgagtcta ctggggaagg gttcttccag 840
actctggggt 850

<210> 22134
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22134

ctaagttcca ttaatgagcg tcggctaatag atgaagattg atctccgcct gttgccgatg 60
ctctgtgtga tgtacatgat tacttttctg gataggtgcg cttgcgctctg gtcttagatt 120
tacgtcaggt cctttattaa atgctatcca tgagacaggg tcaacatcgg caatgccgcc 180
gttttaggaa tgcgggatga tctggacatg gtagagggaa caaaatacaa cgctgcgctg 240
atgatattct tcattccata tatectattc gagattccat ccaacattct cctccacaaa 300
ctgaagccgc atgtctggcg tgcgtatctc gcaaatacgg gagaccgtga gcgctgatct 360
gacagctggt agtctccttt tgcgtgttca gctttggcct catctgtgtc ctgcaaggct 420
tggtacagag ttggggccacg ctcatggtaa cgcgctggtt cctgggggatg tttgaaacgg 480
cgatggcgcc aggatgtacc tactcctctg cctatccatt accttactct atctaataca 540
tggaacagg cgtataacctg ctcgcatgt ggtacaagcg gtcagaagcg caaaaacgat 600
acagtatctt ctctgctcg accatattag ccggtgcatt tggcgggtctt ctgcatccgc 660
cattggaaag atggatgggg taagagggtg cggcgggtgg cgggtgggtgt ttatcctcga 720
gggcctggcc accatcgtga tggcgggttat ggtctacttt gctctgccag actttccgga 780
agactgtaag tggttgagtg agagcgagta cgaccatata agggacaaga tggggggcga 840
gacaggacgc 850

<210> 22135

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 22135

cactctcgtt ccctggcaca ccgatccggc cagatggccg ctcaccaacg caattccgcc 60
ctctcacagc agaaacagat atcctgcccg gcacgaatgg cagcgacagg gtcgggttcg 120
cagatggcac acaggtctatt gtgggcttta aggctgaggt tgagaagact attctcgggtg 180
ttcaagcgca acagctggag gatgcggagg ggtttggcga ggccgggtca gacggcgagg 240
gtggcgcccg ccgggggttcc tcgtctggcc atggatcgtg ggtacagatg gccattgaga 300
ttcctggctt tcgagatgat gatgccttac ctgttttctt gtctgaaatg atgagggagc 360
cactggtaga atctgtctcg ggcggggaga agggtggtgc tgaggagatg gttggcgggt 420

tgaagggacg gcttgtgata aatcggaggt ggcattggag gctgtatatt gatgtgggtt 480
tcctatacac cggttcttcg tacttttgta tgtgctaata tgcatgtct aggtcctgct 540
cctttcacia ccattgtcct acccctccc ccttctatct cttacaacct acctcgccct 600
cctcgcaaca aagctgccaa agctaaaatc aaaaggcgaa gaagaccctt ttttcgacga 660
tgactggaac gctgccgaat acttataccc ccgtgtcaaa cccgcaagaa ccaccattcc 720
gagctcaata tccgtgcata aagtccgacc tcccgttacg ctgctcgta tttccgtggc 780
agagaacata attttcgacc caagccgtga agagattgct gtggcggatg cagtgtcgcg 840
aatttcagta 850

<210> 22136
<211> 850
<212> DNA
<213> Aspergillus nidulans
<400> 22136

aatctcctag ccaagtcgca tctggaccgg gaggtatacg gagaggacgc actggagttc 60
aagccggagc gaatgtcaga cgagttgttc aacgcgcgcc tgaacaatt cccaagtgcg 120
tggaagccat ttggcaacgg gatgcgggct tgcattggac gaccttttgc ctggcaggaa 180
gctctcttgg tcatggccat gcttctccaa aactttgact tctcactagc tgatcctaatt 240
tatgacctca agttcaaaca gacattgacc attaaaccaa aagacatgtt tatgaaagca 300
cgcttgcgtc acggcctgac cccaacgacg ctcgagcgtc gactggcggg gctggctgtt 360
gagtcgcaa cacaggacaa gattgtcacc aaccctgcgg ataattcagt caccggtacc 420
cggttgacga tctctatgg ctcaaatagc ggaacatgcg aaacgctagc gcggcgtatt 480
gcagccgatg ccccgctcaa gggcttccat gtcatgcggt ttgacggtct tgacagtggc 540
cgttccgcgc tccctacgga ccaccctgtc gtgatcgtaa cctcctcata cgaaggacag 600
cctcctgaga acgcgaaaca attcgtttct tggctggaag aacttgagca gcagaatgaa 660
tcattacagc tcaaaggagt cgactttgct gtattcggct gcggcaacaa ggaatgggcc 720
cagacgtttc accgcatccc taagttggc gacagcctgc tggagaagct gggaggcagt 780
cgctcactg atttggggct ggcgatgta tccactgatg agctattctc gacatttgaa 840
acatgggccc 850

<210> 22137
 <211> 467
 <212> DNA
 <213> Aspergillus nidulans

<400> 22137

```
gccgcggcgc cgcgcgtgga ttcgcagacc tgtgctctca agaccagtac attgggcgcg 60
aaaggcacca tgatcgccgg caccctgata accggtgtcc ttcttttctg cttcaccgcg 120
tctacagatc cggacatcca gctcgtctgc tcttctctcg aggccttctt ccagaacatc 180
atgtacggcg tcttgtacgc ctacacgccc gaggtcttcc cggcccccaa ccgaggtact 240
ggcagcggaa tctcgagctg cctgaaccga atcgccggac tgtgtgctcc catcgtggcc 300
atctacggcg cgagcgcgaa cccgatgct ccgatctatg catctggcgc gctgatactt 360
gccgccttcg tggctatgat tttcctcccc attgaaacca gggggagaca gacgctgtaa 420
acctatagcg gccgtcttct gtctcgaggt ttcaaaattt gaatttt 467
```

<210> 22138
 <211> 453
 <212> DNA
 <213> Aspergillus nidulans

<400> 22138

```
ttgccccggg ttcagacgaa ctgatttcca aaatcctgga ggtgaaaccc aacgccgcca 60
tcgtcatcca gagcggtagc cccgtgacaa tgccctgggc gcccaaagcc aaggctcttc 120
tgcaggcttg gtcggggggc aatgagtgtg gtaacggcat cgcagatgtg ctttatggaa 180
acgtcaaccc ctctggaaag ctgcctttga cttccccgt ccgtttgcaa gacaacccta 240
gttacctgaa cttccgctca gagcgaggcc gcgtcctcta cggcgaagac atctatgttg 300
ggtaccggta ctacgagaaa gcccaactcc cgccgttatt ccccttcggc catggcctgt 360
cctacacgac tttcacacgc gagaaactgg agttgaacac ttctcctgaa aaagacaaac 420
tgcaagacgy agaaccata acctgcaggg tga 453
```

<210> 22139
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22139

actcagcggt ccccgccggt gttaacgtcg cagcaacatg ggatcgacaa ttggcttaca 60
tccgtgggtca tgcaatgggt caggaattca gcgacaaggg cattgacgta caactaggcc 120
cggccgcagg tcctctcggc agattccccg acggtggccg aaactgggaa ggttctcacc 180
cgatcctggt ctgtccggtg ttctcttcgc cgagactatc aagggcattc aggatgccgg 240
tgtgatcgca accgcgaagc actatcttct caacgaacaa gagcatttcc gacaggtacc 300
tgaggcgaat gggtacggct acaacatcac ggagaccctg agtgagaacg ttgacgacaa 360
gaccttgac gaattgtacc tgtggccctt cgcagatgcc gtgcgtgctg gcgtgggccc 420
cattatgtgc tcataccaac atctgaacaa cacgcaagcc tgccagaaca gccaccttct 480
gaacaagctc ctgaaggctg aattaggett tcaggggttt gtcattgagc actggtctgc 540
gacgcacagc ggtgtcggct ctgctctggc tggatggac atgacaatgc ctggcgacat 600
cgcttcaac gatgggctct ctactatgg cccaacctg acgatcagt ttctcaacgg 660
aacggtccc caatggcgtg tcgatgacat ggccgtccga gtcattggcc ctttttacia 720
ggttggccgt gaccgtttgg ccaccccgcc caacttcagc tcctggacga gggcagaaaa 780
ggggtacgaa cacgcttcga ttgatggagg cgtacggcac agtcaatgag tttgttgatg 840
tccagcaaga 850

<210> 22140

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<223> unsure at all n locations

<400> 22140

aaaagccaac aacgggcgaa ttgaagggga gaaccgggca aaaaccaana aaaggaaaga 60
aaagacaaca ccaggaacgg aacaaaaaga aaccggaaac tgaaaaccca aacaaaccac 120
agggggacaa agagaacccc aagcactagc ggagcgaaga acagggcaag ctgacacaga 180
aaagcgaaga cgacagcaag ggcgaagggc accaatagca gagcaaaaac ggcaacaag 240
aggaacatgc cgagcaacag acaagcgcaa gaagacggag agaagaaagc gccagagaac 300
gagggaaaag aacaggcgag ggaacgcacg gagaagcaag gaagaagaga gggcgtatag 360
caaggagagg aagaggggga acgaagaaga cggaccaaca agggatgata agaaccctaa 420

ccacagaaaa acaaaagcgg gagacatcaa gacaaaaaag aagggaagaa agccaagaac 480
gaggaagaag aggaaaaaac caaagccaca acaaagaagg aagaggagcc agaacaggac 540
aaaacaccaa aaggggggaa cggcaaaagg agacaacgaa agaaaaaaag gaaacaagac 600
aagggccaaa aaaacggggg aaaaagaaaa agaaaaacaa gggaaaaacc acacaaaaaa 660
accaaagaaa accccggccc aaaaacggga aacccaaga acaacaaaa aaaaggagga 720
gaacacaaaa acacacgcga gggacaaaaa agaaaaaacc cacgaagcaa aggaccacaa 780
aacaaaaccg aggaagaaca aaaacgaaaa acaacaccgc aaacaaacaa gggaaaaaaa 840
aaacaaaaaa 850

<210> 22141
<211> 850
<212> DNA
<213> Aspergillus nidulans
<400> 22141

aatggcgata cgctttttcc taggagtggc cgaagcaagc actttcagtg gcactcattt 60
tatactcggg tcatggtata ccgagcgtga actaggcaaa aggagcggga tctttactgc 120
aagcgggctc gcggggccaaa tgttcgggtg tttcatccaa actgggatcc attcgtcggt 180
agatggtgct gcagggctgt ccggctggag atggcttttc atagtgagta tattccactc 240
ttatccaggg cgatttctgc ctcatcccag ctaaccatc cagattgatg gcctgataac 300
ccttctggtt gcattgtacg gagctttctt gtttcctgat actccagcca caaccaagc 360
tccatacctt acatcctcag agcgagcttt ggccgtgtcc cgattgccgg tagcgaagca 420
tgccccgata tttaaccgaa cattcctgaa aaacctatc aagacctggt attggtgggc 480
gtttgtcatt ctttgggtga ttgcaggcga gacggagtca ttctcgtcca attctttggt 540
ggcactttac atgaagtcgc accccacaaa ccattactcc attgcccagc ttaacaacta 600
ccctactggc gtgcccgtg ttggaattgt ctctacactg ttctgggcga cgcttactga 660
tttttggggg ggtaagcgg atattgtggg ttattttatc ggcattactg gcatcatcac 720
gccgatactt attctgactc ggtttgactc aaccgctaca gtctttggtg catactattg 780
ggccggagcc gtttatgctt gccaaagcaac ctttttcgca tgggtgtaatg atgcgatgag 840
gatgcaggag 850

<210> 22142
 <211> 365
 <212> DNA
 <213> Aspergillus nidulans

<400> 22142

cagccatatac gacgttggcc attgcgcgaa tcacggcact cagacgcgat cgagatctac 60
 acccgcgaaa acatgccaga acggtatcac ttcaagaaca acgatcgcat cgccccctcta 120
 tgggtaacct gcgagttcga cgctcaggca gcaactccaga acggtcagtt ttaccatccg 180
 aaaggaattc acgggtacga ccatgaacat ccgttgatgc gggcaatttt tatcgcccgt 240
 ggccctgggt cccgcatcca cccaacagtc gggttgatgc ttttcgtaag tggccccaat 300
 ccgactaaat ttcccttgct gacatgacag aaaacatcaa tgttttataat atcctgtgcg 360
 actct 365

<210> 22143
 <211> 838
 <212> DNA
 <213> Aspergillus nidulans

<400> 22143

atcgtctccc tgtcttcaact ctcttcactc ctcaactgtct cacaaaatgg gcgaccgact 60
 ccaaccagtc gaccagcatg gtcgtgaccg aaaagaaccc taacaataat gaccaagagc 120
 ctacaccaaaa gacgtcgacg gatcagctcc ccaaggggccc gatcgggtccc agtcctcctc 180
 ccaatggcgg actcgtggcc tggctgcacg tggtcgctgg tttcatgctg ttcttcaata 240
 cctggggggt gctcaacact ttcggcgtct tccagacata ctacgaatcc gggactctct 300
 tccgtcggag ctcttcagat atctcgtgga tcggatcagt ccaggctttc atgctgctgc 360
 tcgtcggctt catcacaggc cccatctatg accgggggta ccttcgcacg ctgctgaccg 420
 tgggcagctt cggcatcgtc ttcggcacca tgatgctcag tctctgcaag gactactggc 480
 aggtcctgct ggcgcagggc ttctgcgtcg gaatcgggtg tggatgccta tttgtcccgt 540
 gcgtctcgat cctgccaaaca tacttctctt ccaaactagg cgccgcgctc ggtctcgccg 600
 ttgcgggatc ctctctcggc gggatcatct atccaatcgt cctgaatgc ctctcagtc 660
 ccctcggctt tggatggccc gtccgagtga ttggtttcat tgccctcggc accctcctcc 720

tccccgatcgt catcatgaag cagcgcgtca aaccacccaa ggccaaaacc ctgatagact 780
ggaccgcgtt ccacaacatc ccatgcatca cgctagggat tgtccgacta accttgca 838

<210> 22144
<211> 552
<212> DNA
<213> Aspergillus nidulans
<400> 22144

atgacctctt cccctccaag ccattccgga agtggctttc gcttatcaca ggctcagatc 60
gtattaccag ctacaacctc cttgcgcgcc gttccgcgcg aggcaaggac tacaccctag 120
ccaacagcta cgttggcgaa gagccccgcc tggagttcac cctttgtcta actccaactc 180
cgggctggga aaaggaagac ccagaagagg aagaagaagc gtctggggat gcaaattgga 240
cctccgaagc aagctcttcc aagaaggcca gcaacaagaa gtccgaatcc aagtctgacc 300
aggacgacca cgaaatctcc gtcggcggct acgagatcta catggccggc gacgacgaag 360
aggagaagtc cggtgccgcc gacccgcca tttaccaatc cgccgcggac gacgaagatg 420
atggaatcct attcagcaca gcagcaggct ggaaccggct tagcattgtg ctgcgggaca 480
gcgggaccct gaggtttgtc aagtatgtta gtgctgcggc gaaaggggat cgggtgggata 540
tcacacgtga ga 552

<210> 22145
<211> 850
<212> DNA
<213> Aspergillus nidulans
<400> 22145

attccaagtg ccttttagcgt ctgcttctat gctactttg cagcgatctt catctacatt 60
tgcaagatcc cagtgtaca agcttacgcc tgttgcaac ctacttgga gaagtggtag 120
atctcatttg ttactcggtc tactttctat atccctacg ggcgagctat ctcttaccga 180
tttgacggga agtattgtct tagacctgag tcacgctcgt ctcatcccta aggggtggcgc 240
ctggcttacg ccgggcatgt ttgtactcgt cgatggcatt tacgaggagg aggagaatgt 300
caggggctcc acgctaggcg gcaacagcgg gattggaggt gcgataggag gtaagttcgt 360
tggagtgaca atttgtggtc ctccttgtga acgccgagaa acttcgcttg gaatgagtat 420

ccacggtaaa aacgaggata tcagctctag tggcggcttt ggctgggtgg acttcactgg 480
agtagggagt gagcgtgctc aagggttctcg aatgagacga attcagacaa ggtgtctgca 540
cgaggctcac gatggtaatc agttgaatcg ccgtttcaag attgtcatca tgggtgaagt 600
taatcttgac aatatgaaga cgatggacgc tctgaggaaa gtcttttagtc tatacaacga 660
ttcggctgtg caggagcgtc ctttggtgtt cgtcttggtt gggaattttg ttcagaaagc 720
aataattaat ggcggtggtc agggcgggag catcgagtac aaggaatgtt tcgacatgct 780
tgcattggtg ttgtccgatt tcccttcgtt gctacagcgg tatacgttca tctttgtcac 840
tgagacaat 850

<210> 22146
<211> 849
<212> DNA
<213> Aspergillus nidulans

<400> 22146
cgtcccaaaa cccaaccgg cacagttctg gtaacaggcg catcaagcgg gatcggcgca 60
gagctgagtt atatcttcgc ggaaaagggc cacgatttga ttctggttgc gcgaaacgaa 120
gaccagctca acgtcgtgaa gaacaatata cagcagaagt acggcgtccg cgcgatgtc 180
gtcagcatcg atctgtctgt tccgggatcc gcgcaaagag tgtatgatat cgtgacaaag 240
gagaagcagc tgactgtgaa cgtgctggtt aatggggcag cactgggcgc agcgggcat 300
cccttcgagc aaccggttga gctcgttgag cgcattgacga cgctgaattg tatctcgcta 360
gtgcagctgt cgcacttggt ataagaacga tatgatcaag agaggcatcg ggtggatgat 420
gcatatttcg agcgttggt gtatgtttcc ttccggccac tatatcgctc cgttgaccct 480
gcacaagtct gaagtagact aactagttgt atagcgtata tctccagccc gggccaaaac 540
atcaaccact caaccaagta ctttgtccgc gccttctctg aagctctttc tgtggaactt 600
cgtgcctacc ctggaatcgt aaacacacta ctcttcccgc gccctgcgga aacgcaattc 660
atcacgcgat cgcacgccc ggaaacggtc atgatggctg cgtcgggggc ggttgaggat 720
cccaagtccg tcgcaagat cgggtataag gcgttggtgca agggcaagcg agaggcgttc 780
agtagttgga acgcatgtt cacgagtcca gtcttcaacg tcgtacggag tcgagcgcgc 840
cattttttt 849

<210> 22147
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22147

```
tcccaactcc aagcaaatac gccgaagctg ttgatttctg gtccttggag ctcaagccgt 60
acgccgccct cgacgtcccc gtctggcccc atctcacagg taaacgggtc tcaccaggcg 120
cggcgccaga atacaaactg atatccgagg cgatgtcaat aacctcgccc ttcccagttt 180
tagagaaagt cgcagcagat ctagggctga aatctgttgc gtcgatcatt agggcggcag 240
gggcgttcgt cagcctgtct tatctgggcc tgtcggggac ggtgtttgcg gagacgttat 300
cagaccgcgt ctttgatccg tccttggaag gcgcagtcgg tccttttata tctgttggtc 360
cggttccgtt ccgagtagaa ggggatacga cagtaggaa gatcctggca gaacagcacc 420
ggctctcctt gcaatcgtgg aagcatcgac atgttcatgc gagagatatt cggaaggccc 480
ttaagcggca gagaggagag ccgttgtacc ctgcagtatt caatttccac gcgcttgacg 540
aatcaaagga cagaaaaatt gcgagcctgc ctgggtctctg gcatgagctt gaagaccaga 600
ttggcctgca tgttgagcat cccatggcca tgaatgtttt ccagtcgcca agcggaaaca 660
tgaccctgga ggcacaaagc gatagtcgga tcttcagccg tgaacattta cgcctttttg 720
ttcgccagat cgatgctctc atctcggaag tgctcttacc gcctgatgaa tctctcagcg 780
ggctcgtgaa tcggcttccg tctgacctac gatccctatc cacaggattg tgagccatga 840
agtcgcgaat 850
```

<210> 22148
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22148

```
gctgcgagct ctgcgcgctg acctgggtgc caagattgtt ttgacctcta gtgcctgttt 60
ggacaaggcc tctaacctgg gggcgccagcc atttgtggta agccaggcaa gtgttgaaca 120
attgcctctt ggtgggcatg atacaagcct ccacgaagcc aggccttcca acggggcgta 180
cgccattttc acatcaggca cgacgggtat gccaaaagcg acggttatac agcacacggc 240
```

acttagcaca acctctctcc agctcgccaa gtatcttgga cttgactcta gcacgcgaac 300
gctgcagttc tccagctata ctttcgacgt cagtgtcgct cgatattcac ggaacgctga 360
tcaatggtgg ctgtgtgtgt gttcccagcg acagtgagcg ggtaaagac atatctggtg 420
ctatccgccc gatgggcgtc acgcactgga acagtacacc aggaatagcg aatactatca 480
atcccaagac cgtcccgctc ctggccacac ttgttacagg aggcgagaaa atgtccccgg 540
gccacattga gcgctggagc gaccgagctg tgatcaacgc gtacggggccc tcggaagcaa 600
caatcatcgc aaccgtcagc atcaaggctg ataggcaggg taacctctct aaggagagcc 660
gcagttctat tggaaagccg gtctgtggcc gagcctgggt tgttgatccg tacaatcctc 720
agcgtctcct gccattgggg gcggtagggg aacttgtcct tgaaggctgc aacgttgcca 780
ggggctactt gaacaacgag gaaaagacgg ccaaggcctt tatcgagcat ttagggttcc 840
tgacaatgaa 850

<210> 22149
<211> 850
<212> DNA
<213> Aspergillus nidulans
<400> 22149

attcaacaca tatggccgag tcttcttctt ctcatggttt ggcttcatgc ttgcattcct 60
ctcatggtat gccttcccg cctctggtgag tcttcttctc cgacaaccgg actgaaggaa 120
tcctaacagt gaagccagtt gactgtcact atccgcatg atctcgacat gtcccaaaca 180
caaattgcaa actcaaacat cattgcttta ctagctacgt aagttccctg catgcaagga 240
caagacgcag agccagccct aaccctatat cagactacta gttcgactta tctgcggccc 300
cctatgcatc cgtttcggac ctgcactagt ctttatcggc ctactgctgg tgggctccat 360
tcctaccgag atggccggcc togttacctc accccaagga ctgattgccc tgcgcttctt 420
catcgcatc ctgcggcgca cattcggtcc ctgccaaagtc tgggtgcacag ggttttttga 480
caagagtata gttgggacag ccaactccct agctgccggt ctaggtaacg ctgggtggcg 540
tatcacatac ttcgatcatgc cggccatctt cgactccctc atccgtgacc aaggcctccc 600
cgcacacaag gcctggcgcg togcctacat cgtccctttt atcttaatcg ttgcgcgcgc 660
cctaggcatg ctcttcactt gogatgacac cccgactgga aaatgggtccg agcggcacat 720

ctggatgaag gaggataccc agacagcatc taaaggcaac attgtcgacc ttagctctgg 780
 tgcacagtcc tcccgcccc cggaccccc ttccattatt gcgtacgcca tccccgacgt 840
 cgaaaagaaa 850

<210> 22150
 <211> 777
 <212> DNA
 <213> Aspergillus nidulans

<400> 22150

ccgaaccatg actggcgaat caccctgaag gataaggtta ttgtcatcac cggcgcaaac 60
 aggggcatcg gtctggccat cgccgaggtc tgtctggcca acgaagccgc agctgtttac 120
 agcctagacc ttttcgagcc tggcgaggaa ttcaccgctg tgcaaaaaaa gtcagcgaat 180
 ccgagtcgcc tccaatacat ccactgcgac gtcacatccg aggaaagcat cagctcggca 240
 atcgacgctg tgggtgtccgc cagtggcgcc gtccacggct tcgttgccaa tgctggaatg 300
 accaagcacc aaccagccct ggacttcacc cgggccgaaa tcgacaagtt gttcaacctg 360
 aacgtgtttg gcgcgtactt ctgtgcaacg gcagttgcgc gcaaattcat tgagctcggg 420
 atcaagggtc ctattgtatt tactgcttcc atgacgagtt atagacccaa ccgcgcgccg 480
 agcgcaccct atggcgctac gaagggtgct gtgcggaata tgacacatac gctggccatg 540
 gagtgggcgc accatggtat tcgcgtgaac tcaatatcac ccggttttat caagaccag 600
 atgacttatt ttgtcgacca ggcgccggac tggaatctca agatgcaata ttacggtggt 660
 atgccaagat tagccgatcc gaaggagcta ggaggggctt atgtgtatct gctgtcggac 720
 ggagcgtcgt acacaacagg gattgacatt ccaattgctg gtattgtcgg agcgtgg 777

<210> 22151
 <211> 511
 <212> DNA
 <213> Aspergillus nidulans

<400> 22151

acgggattca tggagggata cctcgcatgt gtcgtggcca atggtgtagg gcagataaag 60
 aaagacttct ttgcgctgag agtgggtgtc cgcgctatga ctgaaggggc ttccatggat 120
 gctaatactg atgatgggct ttgcgcgttt cactgctcat tattcggacc tagcgtagca 180

cataccatca gcatagctcg tgctgcaaca tatagcttgt actttggggc cccaatcatg 240
 tctatagact cttggagcat gtatacgctt gtaaccgcat acatggctcg acagtcggat 300
 tacataagca tcttgaacgt gtacgcctca agcagctggc atgatacgtc atggggcacc 360
 agaggccatg acaaggcggg agccgatcat tctgccatga ctacaggagg ctaaggagaa 420
 gaggctggaa tcgagcaact ggataaagcg catgactgaa tcgaacgtga aatggaggca 480
 acacacacac gtgccatggc ttcgtctgtt a 511

<210> 22152
 <211> 608
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22152

acccaaaagc aatggctcgt caagggcaag gaaaaccgct tcgacgagct caagttcgag 60
 gaaggcgaaa tccccgctgt tggagataat gacgtcctcg tcaagctgca cggcgccctcg 120
 ctcaattacc gtgatctagt tatcccccaa gggatatgtt ctttttcctt aaaatatatc 180
 aaggagcaag gctaaaggag ctgttcacaa cagaaagtat ccccttgccc tcaatttccc 240
 cgttattccc gggtccgatg gtgccggcga agtcatcgag gtccgatcca aggtcaccca 300
 gttcaagaaa ggcgataaag tggtcacact cttcaatcag cagcaccagt acggcccccatt 360
 cgatcccgcg ggagctgcct ccggctctcg cggtgccgtt gacggcaccc tgcgccagta 420
 cggtgtcttc aacgagaacg gcgtcgctcg cgcgccgca aacctgaact accttgaagc 480
 ggcaaccttg tcttgtgcgg ctcttacaag ctggaatgct ctgtacgggc tgaagccgct 540
 gctgcccggc caggctgata atggcagggc acagaacggt gttagtgttt ttgcgctgca 600
 ggtttggc 608

<210> 22153
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22153

ggaacggatg gcacatatga cgggttggag cgagttacaa tggcgcgttc aacaaatccc 60
 atatattcct ctctatggc tgaaattttg acttcttctg acttctgtcc agtgctgggt 120

ctacttacgc cttctcgaca atccggatgc gaactactat gcctatcccc tggatttgtg 180
 cgcagagggtg tctgagcagc taaagggtcat caaaatctac tatctaccat cagcccaaaa 240
 tgaccgaata actgaccaag cgcgaccgtt tgatatcaag aaaatccact ctacagcaga 300
 aagcgagtac catccaagct tgcgtccccc tcccgggaac acgacaaagc cctaccaggt 360
 ggtccagccg gaacgccgtc ctttaccatc aagggttaacc acatctcgtg ggagaagtgg 420
 acaatgcgcg taggatttaa ctaccgggag ggtctgacgc tccacgacat ccgctatgat 480
 ggacgcagct tattctaccg tctctctctg tccgagatgt ttgtacccta cggagacccg 540
 cgctcgcctt atcctcgcaa ggctgcattt gacctaggaa gtgacggggc tggcatcaat 600
 gccacaacc ttgcctagg atgtgactgc ctaggcctga ttaaatactt tgatgggttg 660
 cacaacactt cttctgggga gccactgaag ctccctaata tctgtctgctg ccacgagcag 720
 gacgacggca ttctttggaa acacaccaac ttccgcacac agaacgccgt cgtgacgcgt 780
 gcacgcgatc ctggtgttgc agacaatcat caccgtcagc aactatgaat atatctttgg 840
 cttccagttt 850

<210> 22154
 <211> 789
 <212> DNA
 <213> Aspergillus nidulans

<400> 22154

atgcattcgt tcaagcgctc actcctcctt ctcgagagccc tccttcctgc cgtctttgga 60
 gctcccgtcg agcctcgccg agcagctgaa aagggtcccg gaaagtacat tgtcacattc 120
 aagtccggtc tcaacgttga ccagatcgat gtcacacct cttgggcctc gaacgtccac 180
 aagcgcaacc tcgagcgctc cggcctagct gaacgggacc agtactctgg cattgagaag 240
 aattacaaga tcaacaagtt cgcggcttac tccggctctt tcgacgatgc cactattgag 300
 gagatccgga atagcgcaga tgtgagtacc ttgcagtctt tggccattag catggtatac 360
 agacgctgac ggttatgcag gttgcccacg tcgaagagga ccaaactctgg tacattgacg 420
 ccctgacctc ccagagcggc gctccctggg gtcttggagc catctcacac aaggggcgaag 480
 cgagcaccac ctacgtctat gacaccagtg cgggagaggg cacttacgcc tatgtcgtgg 540
 acaccggcat caatgccgac cacgaggaat ttggcggccg cgccagcctt gcctacaacg 600

ctgttggtgg ccagcatggt gacagcgctg gccacggcac ccatgttgct ggcaactatcg 660
 gcggtgaaac ctacgggtgtt tccaagaagg cgaaccttct gtccgtcaag gttttccagg 720
 gcgaatctag cagcacttct attattctcg acggtttcaa ctgggcgctt tccccaaagg 780
 ggtctaaat 789

<210> 22155
 <211> 527
 <212> DNA
 <213> Aspergillus nidulans

<400> 22155

tttggccggt gggggagagg ttctgtcccg ggtgtgggggt atacaacaag cgcattgcgc 60
 cgcattgtcag ggtcattggt gtgaagaccc aggacgcca cgcaagggcc cagtctcttg 120
 atgaaggctc tcgtgtgttg ctgaacaagg tcggcctctt tgcagatggc gctgcgggtca 180
 agagtgtggg gtcgaaatgt tggcgcggtg cccgaagggt agtagatgag attatcttgg 240
 tttcaaccga tgagacttgc gctgcgatca aggatgcatt tgaggatata cgctcgatca 300
 tcgaaccgcg tgggtgcgctg gccattgcag gattaaagaa atatgtcgcc aagcgcccca 360
 gcccacacac cagccgtgaa ctgggtgcaa tcacctcggg agcaaatatg gattttgacc 420
 ggatgcggtc tgttgcgga cgcgctgcct tgggggaaag aaaggaagct cttctgagag 480
 taaaaatccc tgaacacccg ggcgggtctc ccagcaaaga ggtccga 527

<210> 22156
 <211> 702
 <212> DNA
 <213> Aspergillus nidulans

<400> 22156

gctcctagca gcaccgcctt caagggtcgt cgatgcagag gggaatttac tgtgggcca 60
 atctgatatc gtgcaggaca aggagaagcc catggccgtg cgggcgtcca acattctcgc 120
 tgccagaggt gcgttacct gtaacactaa ttcaagggtg gtgctaata ggtgcagctg 180
 tcgccgacgc gatcagaacg gtatgcgtgc agacgaactg taaggatgag gggctaattc 240
 gctatacagt cactgggacc caggggaatg gacaagatgg taggttttat gtttgctatg 300
 aatgagcagg cgctaaagca ttttcagatc caaactccca aaggaaacac cattatcgta 360

cgaatgcctc ctccatctcc ccccgaagtg cgacactaac cgcccccgca gactaacgac 420
 ggaaacacaa tgctgagaga tatgagcgtt atgcaccccg ctgctcgcat gcttgctgac 480
 ctcagtgcgg ctcaggatgt tgaagctgga gatggaacga cgtcagtggc cgtgattgag 540
 ggaagcttgc tgggtgctgc cgagcgcta cttggaaagg gtattcaccc aaccgtgatc 600
 tccgagtcgt tccagagagc cgctgctgct gccgtaaaga tccagcacia catgtcccgg 660
 ccgatcaacc tgatggatcg ctcggccttg gtcataaccg ca 702

<210> 22157
 <211> 484
 <212> DNA
 <213> Aspergillus nidulans

<400> 22157

tctcctcgct gtaacacctc agagagaacc gcagttccga accgttcatt gagagggttc 60
 gaagttattg aagaagctaa ggctcggctt gagaaggctt gtcctcgta cgtttcttgt 120
 gctgatattc tcacccttgc agcccgagac gccgtcggtt tggtaataata ctgaaattat 180
 tacatgcatt acatatttca ttcgatttct tactttctta tttatgtgtg tatttcacat 240
 gagggagata tataacatat atatatggc gtgttttagcg gtaatttaat attgggttat 300
 gcagaccggt ggacaacgct gggaagtgcc cttgggacgt ctcgacggcc gaatctcgca 360
 agcctcagac gtgaacttgc ccggaccaag cgactccgtt gctaagcaga agcaagactt 420
 cgctgctaaa actctcaaca cattagacct cgtgactctt gttggtagct tgtcattgca 480
 tatg 484

<210> 22158
 <211> 560
 <212> DNA
 <213> Aspergillus nidulans

<400> 22158

gcgtcgccaa aagatgatga gccgctctc aacaaggtct cccgccatat cacacagccg 60
 gtgtcccagg gtgcttccca ggcatgctg tacgctacgg gtcttactga ggccgacatg 120
 aacaaggccc aggttggtat ttctcggctc tggtaacaac gcaacccttg caacatgcac 180
 ctctcgacc tgaacaaccg tgtccgcgag ggtgtgcaaa aggtggcct tatcgggtac 240

cagttcaaca ccattggtgt cagtgatgga atcagtatgg gtaccagtgg tatgcgttac 300
tcgcttcaga gccgtgacct catcgccgac tctatcgaga ccgtcatggg tggtcagtgg 360
tacgacgcca acatcagcag tccccggttg cgacaagaac atgcccgggtg ttttgatggc 420
tatgggacga gtcaaccgcc ccagtttgat ggtttacggg ggaaccatca agcccggctg 480
cgcatccatg cagggcaacg ctgacatcga tatcgtctct gccttccaag cctacggcca 540
gttcatcagc ggtgaaataa 560

<210> 22159
<211> 745
<212> DNA
<213> Aspergillus nidulans

<400> 22159

cccagctttt tattctccga gtctcctcga tggttgcttc tagtgggtcg tcaagaggag 60
gctgccagg ctcttggtga gctacgcggg ctcggtctcg aaaaccctcg agtacacctt 120
gagctgcagg agatgaaaat tgcgatccag gaggagcaag ccatgaacgc agaaggaatg 180
tcgggtatct tgcgagaagc cttgaccatc cctccaatt tgcgcggtgt gcagcagagc 240
cttgtgacct atggcctagc tcagctctct ggtgccaaact ctgtcacctc ctactttgtc 300
cctatcctaa catttattgg catcggcgga gactctggaa ggaacatttt cctcaactgc 360
atgtattcct tttccaagtt ttgctttgcg atcatcgcggt ccttggttttt cgtcgatgcc 420
ctgggccgctc ggaagtcgct gtttggttgg gctcttttgc agatgggtgtc tgatttgtac 480
cttggggtct acatcaagta tagccaagag ggtgctgaga ttgctcattc agcatcgacc 540
ggggccattg cgtttatctt tatccatgga tttggatatg ttgtgggtat ggctattgcc 600
cagataccgc gtccgtatta tcatactgac taaatactag gcctctacat cctcccctac 660
gtcttcggtg gcgaactctg gccgaatcgc attcgatcgt ttggctctgc tctcggccaa 720
tgttttcact ggcttttcat gttcg 745

<210> 22160
<211> 393
<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations

<400> 22160

acgaaagaaa gttgtcagtc ttcgtcatgt ctggcnggac gggcacacgc tgtcttcaag 60

tcttagggct gtatgcagat gacaagatga acgaaatgtg tcatgcttga tggaaaccgg 120

ctagaggaag acattntgct gaagaacgag ctagacgaat tcgaggcttt ggccgggaag 180

aaagagaagt gcaaaattgt gcatacactg acgaagggga gtgaaagttg gactgggagg 240

aggggacgta ttgatgaaga attgattagg cagcatgccg ggacaccgga tagagagacc 300

atggtttttg tttgcggggc tgaggcgatg gagaaggctt caaagaagat cctnctgtcg 360

ttgggatgga aagaggagaa ccttcattac ttc 393

<210> 22161

<211> 449

<212> DNA

<213> *Aspergillus nidulans*

<400> 22161

aatagtaaga aagagaagag agatcaagaa aagaaagtaa agataaagaa aaaagtaagg 60

agaataaaat aagtaacaat aagaaaaaga tgaatgagag aaagatacat aagagaaaaa 120

agaaacaaac acaatgaaga aagaaagaaa aaaaaagaa gaaattaaaa taaggtcaga 180

agagagaaaa caaaataaaa gaaaacaaac aggggagaaa cagtagataa aaacaaaaag 240

caaagaaggc acacaaaaat gaaaaagaag aaatgatcag aggacaaca aggaaataaa 300

aagaagcaga taaaaaaacc taaccaaga tacatagga aagaggacaa aaaaagcatg 360

aatccaaca gaataatacc aaagccgatc aagtataaac tagaaaaca gagagcaaaa 420

gaacaaaggc aaaaaaggga gccaaaaac 449

<210> 22162

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 22162

acatggcatt gagtcaagag accagagcta accatcgag tggcacaact tcatcgga 60

cagctccgac cttctcatct ctgacatgga tatcttctcg cgctcatcgt cggaggcctg 120

ggcatcgaac ttggacgctt gggacacgtt tcgctcagac aacgtgggta ttcagaactc 180

tgtcatcaat cacgatgacg actgcgtctc gttcaaacca aacagcgcca atattatcgt 240
 ccagggcttg cactgtaacg gctcccacgg gatctcgggt ggctcgttg gaaactaccc 300
 gtatcagtac gatatcgtct cagacctgta catctacaac aacactatgg ccaacaccac 360
 cacggcagca cgactcaagg tctggccagg cgctgaggcc gtcaagaaag gcaatccgcc 420
 ctgggtcggg gggggaggca agggatacgt gcgcaacggt acctatgacc tgatgatcaa 480
 tgataacaac gacctcgcca ttcaaattga ccagtgtac ggggccatca atgcgagcga 540
 gtgcttgat caccgcgccg gcgtcattct gaccaacgta ctcttcaaga atatgtgggg 600
 tacctcaaat ggtgcgaatg atcccggtgc tggccagctt atctgtggtt cagcggatgt 660
 aagttttatt ttcaattcct ttttttatcc tttcccttct tttggttact gtagttaacg 720
 ccggtagtc tgcgacaata ttcgagcgga gaatgtcacc ctgacgaact ccagtgggca 780
 gccgtcggag tggcagtgt gatacatgga tgaagagctt ctggatcttg gtggcgtcgg 840
 ttgcatccct 850

<210> 22163
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22163

tttacgtctc tagcgtacaa gaggtttcga aagtcatgcg acgtggcgga aatgcgagag 60
 cggttgctgc aaccaacatg aaccaggaat catccagatg gcattccata tttgtcatca 120
 cggtgactca aaagaacctg gaaactggct ctgcaaagag tggtcagctg tttttggttg 180
 atttggcagg tagtgataag gtoggcaaaa ctggtgctag cggtcagact ctcgaggaag 240
 cgaagaagat caacaagagt ctgagcgctc tcggaatggt tattaacgca cttaccgacg 300
 gaaagtcaac ccatatacct taccgtagct caaaactcac acggattctg caagaaagtt 360
 tgggaggtaa ctcgaggacc accctgatta tcaactgttc tcccagcagc tacaatgacg 420
 ccgaaactgt ctcaaccctg cggtttggtg tacgagctaa ggccattaag aacaaggcga 480
 aggtcaatgc tgaattgagt cctgctgagc tcaaacagtt acttcgccga gcgcagagcc 540
 aagtgacaag ttttgaaaac tacatttccg cactggaatc cgaagtctct agttggcgca 600
 gtggtgaaac cgtgcccagg gaaaaatgga ctccagccag aaacgctgaa gccgtaggcg 660

ccgcaaaggc tgaagcgcgc ggcctcggc ccagtactcc atctcgtctc catgatgtat 720
cccgtccga aactccacga ccagattcac gcatcggcga tcgctctagc acaccagca 780
tcgttcttga gaaagatgag agggaggagt ttctccgacg cgagaacgaa cttcaagacc 840
agatagcaga 850

<210> 22164
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 22164

gtcggattca gcggatctat gcaatggctg gaagacaggc tgaggcgcac gatgaggtga 60
aactggatga ttccgagcag gactcacttt ttgctggggc cggtagccga tcgtcgtcca 120
agcaatcccg cggcggtgag aatgcggaag ggcagggact gagtgaggtt ggagagagta 180
tacctgctgg tgcgggcgga ccgggacggt atttccgacc aggctctggg ctattcacag 240
atcgaatgag ggcgctcgta cagcggcagg ggttccgact tgtgctgggg agtgtgtatc 300
cgcacgaccc gcaaatcagt gtaccgtggg tgaacgctgc gcatgtcttg agtatgggtca 360
gaccggggag tattatcatt gtgcacgacg ggaggccctg gacggcgccg atgctggcta 420
ctgttctacc tgaactgaag aggagggggt atagggttgg gactgtatcg gacttgctga 480
aggagggggc ttccatgact 500

<210> 22165
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22165

aatgctctcc gtcgccaaca tcgccggcgt gcagatctcc aacgtcggta gccagacgt 60
cacctccacc atcctgctag agatggcgca ccgtctcaac aaagttgtct gcgaggaccc 120
atccatggct ggcgcagtcg tcacccacgg cactgacacc cttgaggaaa cggccttctt 180
cctcgacgca acagtcaact gcgggaagcc tattgtcatc gtgggcgcca tgcggcccg 240
aacattcatc tctgccgatg ggcctataa tctcctgcag gccgttactg tggcgagcac 300
gaaagaggca aggaacaggg gcgcgatggt cgtcatgaac gaccgcatcg cctccgctta 360

ctacgtgtcc aagacaaacg ccaatacgat ggatacattc aaggctgtgg aaatggggta 420
cctgggtgcc attatctoga acactccgtt cttctattac ccggccgtgc agccaagtgg 480
gaagacgact gtcgatgtgt ccaacgtcac ctccatcccc cgcgctcgaca tcctctactc 540
cttccaggac atgacaaacg acacgctcta ctcaagcatt gagaacggcg cgaagggcgt 600
tgttatcgca ggatctggtg ctgggagtgt cgataccgcc ttctcgacgg ctattgatga 660
tattatcagc aaccagggag ttccgatcgt gcagagtact aggacaggaa acggagaggt 720
gccgtattcg gctgaggggg gtatttcgag cgggttcctg aaccagcta agtcgaggat 780
tttgttggga ttgctgttgg cccagggagg gaagggcact gaagaaatta gggcgggtgtt 840
tggaaggtt 850

<210> 22166
<211> 610
<212> DNA
<213> Aspergillus nidulans

<400> 22166

ctgttggtga aataaagtta cattttacgt ctggattggc agggtgaccc tgatcgagc 60
acaggtttcg agaacgagcg ggaaaagact accatcgaga aaatttgcgt taagagcgcg 120
aaagaaagaa gcgccgaaag gaaaagatca agggtaaaaa ggcgatgttc ccgctgatga 180
tgacaacaaa gggcgctgct ggtaaagaga aacagcaaga aaacgaggac ctgggctttc 240
acggatccat ttttccttga tcacttctga taaggcgact tcttgctgct cgtcggaagg 300
aagaaaaacg caggaagcgg tcgaagcgcg ctgcagagga gactgccgcc gcagccaaac 360
ggcccgaact agaattgttg atgatggatg acgtcgatgc caagtctgga atgcggcact 420
ttgatatgaa cgagattgtc aaggctgaga agcaggctcg caagaagaag ggcaagggca 480
agcaaaaggg agaggcagct ccagttcccc acaacttcga aatggacgtc ggtgatccac 540
gattctcgcg tcttttccaa aaccacgaat ttgcaatcga tcctaccaac ccacggttca 600
agccgcgtca 610

<210> 22167
<211> 477
<212> DNA
<213> Aspergillus nidulans

<400> 22167

atggccttac gcctggcgct ctggactccg caaaacccga tcccgttctc gacacatacc 60
atctggagcg acacacaata gctcagcaac tcatcgattt cgaccgcgct ttctcctcca 120
tgttctctgg caagatcggc tccggcgacg gcacgcggcca agccctaacc catgagcaat 180
tccttgaagt cttcagcact ggcaatggct tcacaagcgg ctgcgggatc gaatatcctg 240
caaatatcac agtcgagaaa ttactgaca aatctacaag aaggaacccc atcaagggtg 300
cggactatct cagtgggatt ctgtgtccag gacggagact actgaatgtc aaggtaagc 360
gctttgctga tgggaatcgg agggacctac atgacggtat gcaattcttt cctctcctca 420
cctcatcaca accctaggct agccatggag aatgagtgtt acacaatatg agcagac 477

<210> 22168

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 22168

accatttctt gcggaattct accggcgcat gaaccccgaa gagctagcat ggttgatcag 60
gatcattctc cggcaaatga agcttggggc gacggagcgg acctttttcg atgtctggca 120
tccagatcgc gaaaatctat acagcatctc gagtagtctt cgtcgtgtct gttgggagct 180
acatgatccc aatatccgac tcgacgcgga ggatcgaggc gtgtcgtga tgcaatgctt 240
ccaaccgcaa cttgctcagt tccagatgca gtcactagat cgtatgatag ctgcgatgag 300
gccaaactgag gacgatcctg ttttctggat tgaagaaaag ctcgatggag agcgtatgca 360
gttgcatatg gtgtcggatg cttctgcgcc agggggtaga aggtttcgat tttggctgag 420
gaaggccaaa gactatacat atctgtacgg aaacgggtata tacgacgagg ctggatcttt 480
gacccgtcac cttaaagatg cgtttgcaga cggagtagat aacctcatat tggatggaga 540
gatgattacg tggaataaccg aacaagatgc acctgagccc tttggtacac ttaagacggc 600
tgctttatcc gaacagagaa acccttttcg acaaggtatt catccactat tcagagtctt 660
tgacattctt tatctcaacg gccgagacct gacacggtag aactccgag atcgtcgaaa 720
tgccctgcag aaagtcataa agcccgtaga tcgccgcttc gaagtgcact cctatgaaga 780
ggcaacaacc aaagctgagg ttgaagcttc tctcagaaaag gcagttgcag aagcttctag 840

ggctggtcct

850

<210> 22169
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22169

ctgcacagcg cgcaatcctc cgttacgagt ctccaacgtc cctacagcgg tcgacgacgc 60
aaccgcagac gtaaacaatgt tcttgatcat cggcgcactc cggaatttca acgcaggcat 120
gcacgccctc cgccagggtc actggcggtg ccttacaccg ccgcgccttg gccacgaccc 180
tgagaataaa gtcctcggca tcctaggcat gggtggaata ggacgcaacc tgaagcgcaa 240
ggcagagtcg ttcggcgatga aagtaatcta tcataaccgc cgcgaaactga gtgctgaact 300
cgcagggggc gcgaaatacg tttcgtttga ggagctcttg aaacaatccg acgtgattag 360
tttgaatttg ccgttgaatg tgcgtccctt attccttccc tctcgtcatg ttgactctgg 420
actggtaaac tgatgggtgt gcgtagaaaa ataccgcca catcatcagc accgagcaat 480
tcaaccagat gaaggacggt gtcgtgatcg ttaacacggc tcgtggtgcc gttatggacg 540
aagacgccct tgtcaaggcc ctcgacaatg ggaaggctca ctcgccggc ttggatgtct 600
tcgaggacga acctaaaatt caccctggtc ttgtggagaa tccgaatgtt ttgcttgtgc 660
cgcacatggg tacttggact gttgaggtat gttcctctca ttctgcca tatgcatatg 720
cattggtcag aagttaactc gaatgcagac gcaaactgcg atggaggaat gggctattga 780
gaatgtgcga atggccttgg agacgggcaa gttgaagacc cctgtccccg agcaggctga 840
tttgtagtgt 850

<210> 22170
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22170

cctcaccgct cgatgagcag atcgagcgcg ctaccgcgtc ttctcttgaa gatatcgctc 60
tgaatctcga aatatctgat cttattcgat caaagggtgt acagccgaaa gatgctatgc 120
gatctttgaa gcgacgatta gagaacaaga accctaacat tcagatagcg actttgaagg 180

tttgtttcct tgggtctgtcc ttactcgac tgttctgaca aaattaatct cttagctaac 240
 ggatacctgt gtcaaaaatg gcggaacca tttctggcc gagattttat caaaagagtt 300
 catggacaac cttgtctcgc tcctgaaagc ggaagggtgc ccgctgaact cgagtgtgag 360
 ggacttgatg ttagcgctga tacaggactg ggctatggct gcgcaaggac gcatggactt 420
 gagctatctt ggggagacat accggaagct gcaaatggaa ggcttccagt tcccgcccaa 480
 gagtgcgatt agtgggagta tgctggaaag cagtgcggtg ggccggaaca gtaccgttcc 540
 atctcaagct agtctaacgt gatttttata gcctccggaa tggatcgact ccgacgtttg 600
 tatgcgctgc cggacgccct tcagttttat gaatcgcaaa caccactgca ggaactgcgg 660
 aaacgtcttt gatgcgcaat gttccagcaa gacctgccca ttaccccatc ttggaatcct 720
 acagcccgtt cgcgtcgatg acgggtgcta cggaagcta acttcaaagc cgtttaatca 780
 aggctctttg gcggatcgat cgactttcaa gaacaactcg atcacaaaat ccaatgtgtt 840
 ggaaccccggt 850

<210> 22171
 <211> 512
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22171

atcatggtcg gtttcgatat gcacgggttg acgcctgccc cagtcacgcc gttcactcct 60
 accggtgaga tcgactacga cgctatccaa cggctgggaa gctggctcag tagtatgaac 120
 ggcgtcaaag ggctcgttgt actaggccac gcaggggagg gcacctttct gactgccgag 180
 gagcaagtcg cggatgatcaa ggcatttgtc aagtcagttg acgacaaaat ccccatcatc 240
 gctggcatca ccggcgaagg aactgaggtg gcggcactag aggcgcacgc gtgaaagctg 300
 ctggggcgaa acgggccttc tgtatccatc tcacggctgg ctgcggtttg gataccagga 360
 cggagcacc caggatcgct accgccgtgt ctacgaggtc agcaatctcc cattgattct 420
 cttccagtat ccagacaaca ccaaggccac atatagcttg cagacgatgc tcgatatcgc 480
 tgcgcaaccg ggtgtctttg caatgaaaaa cg 512

<210> 22172
 <211> 850
 <212> DNA

<213> Aspergillus nidulans

<400> 22172

tgcgccttgg gccatatgtc aacgccgaag ccagcgctgg aggggttcca ctctggctta 60
cgacaggcgc atatggctcg acgagaaatg acgaccccag atatacagcg gcttgggaac 120
cgtattttgc ggaagtgtcc gaaatcacca gcaagtatca ggttaccgat ggtcattata 180
cactttgcta ccagatcgag aacgaatacg gacagcaatg gattggggat ccgcgtgaca 240
ggaaccctaa tcagacagct attgcttaca tggaattgct acaagcctcg gctcgtgaga 300
atgggtatcac tgttccattg accgggaacg accctaatat gaacacaaaa tcttggggca 360
gtgactggtc agatgctgga ggcaatcttg atacggtggg cttggattcg tacccttctg 420
taagtggctt atatctatat tgctaaacat ttctgacgga tcagtgtctg agctgcatg 480
tcagtgtatg cactggaaca aacggtgaat atgtgccata taaggtgcta gactactatg 540
actattttca ggaagtccaa ccgactatgc cgttcttcat gcccgagttt caaggcggat 600
cttataaccc gtgggacgga cctgaaggag ggtgcactga ggatactggg gccgattttg 660
cgaatctgtt ctacagatgg aacatcggcc aacgggtatc tgcgatgagt ctatacatga 720
tgttcggagg aacaaaactgg ggcggtatcg cggcacctgt cactgcgagc agctatgact 780
attctgcgcc aatttcagaa gatcgctcga taggatccaa gtactatgag ccaagctgct 840
agctctgttt 850

<210> 22173

<211> 746

<212> DNA

<213> Aspergillus nidulans

<400> 22173

gcgctctcgg caggaaagtg ggcacgccat cgtcgatgtc ctcttcggcg acgtcaatcc 60
ttcagccaaa ctcgtctaca caatcgcaaa gagcaaagat gactataacg ggcaaatatg 120
cgagtgtctg gaatgcgact atacggaggg actctacatc gactaccggc atttcgacca 180
ggcagggatc gagccgcggt ttgagttcgg gttcggattg tgtacgtccc cttttcacct 240
aatcttttgt tccctttata tccctttctt tcagttgcgg tatacatatg ttcaaaggtt 300
tcaagtctga cgggagagcg aatattgcag cttacacgac tttcaccacac tccgacttga 360

caatcaaccc cagcacagat ataacaacac tccaacccta tgctacaggc cccattacag 420
 aaggcgggtcc ctccgatctc ttcgagcaga tcctcaccat cagcgcctca attagcaata 480
 cccgaggaggt tgctggagca gaagtagcac agctgtacct ttccttccca gatgccgcta 540
 aggcaccgggt tcgacaattg cgcgggttcg agaaagtcta ccttgagccc ggcgagacga 600
 agtttgtcag ctttcccatt caaagaaggg atctaagtat ctgggatgag cagacatcga 660
 agtggaaaat cgtcgggtgga aagtacggtg tgggtgctggg gaggagtagc cgggatttca 720
 cggtcgagga aacgctggaa cttttg 746

<210> 22174
 <211> 724
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22174
 tctgtgtccc atgaacaccg gtcccatgaa tatccgcgac gctcctatta ctattggcga 60
 cgatgtagca tctcagattc caggtagctg tcttggattg cagactaaca aggaaaggca 120
 ttgactctct taggaatcgc gtatactgtt ccagatcttg atgcatctgt ccgtgtgtat 180
 attaattcca caaccactca cgaaagtatt gcttgtctcg aggctagtct ttcgaacggg 240
 aaaaccgttt accaaaaggg cgttggattg gctacggcca tcattgccgg cttgggcttg 300
 acagcctctg ccattacctc cggacttggg cattcaaaca ccgccgcgca cgtcgcagct 360
 aatgctcttt ctctcttctc cttctatcaa tcgcaagcga tgattggaat gacttctatt 420
 cacctgccgc caattgtcgc gtcttgacc cagaattttc aatggagtat gggcattatc 480
 cgtgtcggct tccttcagga catttgtacg tggtagcagc gctctacagg aggcactgct 540
 gcgacactcc tttcggaact ctgcaccatc tccgttcaac ccctgaagaa acgtgctttt 600
 gatgctgcat cagggttagt tccgaggact gtcggggcat tgatcaaacg atctggtgcg 660
 gaaagcgaga aagccacttc tgaaactgtg gaagtgcgcg gaatcgatcg tgttggattc 720
 attg 724

<210> 22175
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22175

aaacgagctg actccaagtc tcaaaacgac gcgttgatgc aagaaatcgg cctcctgatg 60
agcgtaggcc atccaaattt gctctgcctc aaggacacat ttgatgaaag tgatggggta 120
tatctcgtgc tagaacttgc tccggaaggg gagcttttca atatgatcat acgcaaacag 180
aagtttacgg aaaaagagac tcgccacatc ttccgtcaac tcttcgaagg cctgaaatat 240
ctggtatgcc ccgtccctta catgggttgt tcatactatg attctaacgt agacagcatg 300
accgtggaat tgtccaccga gatatcaaac cggagaacat attagttgcc gacaacaaat 360
tgaccgtaaa attgggagat ttcgggctgg ccaagataat tggtgaggac tcattcacga 420
ctacgctgta tgttctcccg aaagtataat tgaagtacaa ataactgacc aaatactacg 480
tccagatgtg gcacaccaag ttgtaagtac ttacgagttc attgtgaatg atgctcattc 540
tccagatgtt gctcccgaga tactccaaga atctcgccgt cgaaaatata ccaaagctgt 600
cgatatctgg tcaattgggtg tcgtcctcta catatgcctc tgtggctttc cccctttctc 660
tgatgaactc tatacgccag agaatcctta cacactggcc caacaaatca agctagggcg 720
ctttgactac ccataccgt actgggatc tgtgggagat cccgccttgg atcttataga 780
caggatgctt acagtcgacg tcgataaaag aatcactgtc gatgaatgtc ttcaacatcc 840
atggctcaca 850

<210> 22176

<211> 500

<212> DNA

<213> *Aspergillus nidulans*

<400> 22176

caagcataac ccgtaaaaag cataggacgt agggggaggt aaggatattc tctcagttgc 60
tctaaacagc gggaatttta cagatatcga gctcatcgac caaatgatga cgttccttgc 120
tgccgggcac gaaactacct cgtcggcact gcaatggtcg gtctacgctc tctgcaaaca 180
ccctgatatc cagacccgac tccggcagga aatccgctcc aatctaccct ctgtctcttc 240
caatgatcca aagcccataa ccgcagaagc tgtagactcc ctcccatacc tccatgcttt 300
ctgcaacgaa gtctccgct tccatccctc cgtecccatc acgtttcgca caacgacccg 360
cgacactaca cttgctggta ccctgcttcc caagggcaca caactgacca tctctcccca 420

ggtcacaaac caagacccaa atctatgggg accagacgca cacatattca accagaccg 480
atggctgcgc cctaacagag 500

<210> 22177
<211> 850
<212> DNA
<213> Aspergillus nidulans
<400> 22177

ccgtatggga ccggatctcg aaatgggtgt ctgagaacaa ggcgctcgtc tatactgttg 60
ccggcgtcgc ggtcgtggta accagcgccg gtgtcgtcta ctacctctcc gactccagcc 120
ggtctggtaa accctctccc actactcctg cgcctacaga gaagaaaaag aagaagagcg 180
ggagccagcg acgaaaggag aagaaggctg aggaggaaag aaagagcaaa gctgcctctg 240
tccaagacgg tgtgtgcata ttggatttat cgcgtacatt cgctgacttt ttttctcaga 300
gaaaacagaa aagaaagccg aagagccttt agaagaaatc cctgaagtag acgagggcgac 360
cgttggacaa ttggatgagg aagtgcgttt cgtttcatgt cattgcccgg ccccgttgt 420
taatgaaaat ttagaccggg aaagcatagc cagcgaaatt aaaagccgcc ggaaacaagg 480
cctatggcgc caaagattat cctagagcca ttgaactata cggaagagct atcctctgca 540
agcccgaccc ggtgttctac tcgaaccgtg ccgcctgcta caacgttcag tcggaatggg 600
aaaaggctcg cgaagacacc agtgcggccc ttgcaatgga tagcgagtac gtcaaggctt 660
taaacaggcg cgccatcgcg tatgagcata ttgagaagta tagcgaagcc cttcttgatt 720
tcaactgcaag ctgcattatc gatggcttct caaacgaagt cagtcgtgtt gctctcgagc 780
ggctcttgaa aaaggtcgcg gagaggaagg gcaaggagat ccttgaggcc aagggcaaga 840
agctgccag 850

<210> 22178
<211> 593
<212> DNA
<213> Aspergillus nidulans
<400> 22178

tcttgactat ctagtgcgcc acaggaacaa cagtctatac aacaccctta gcacttttga 60
gtgagtcttg catctgcgct tgctacttaa ttagctaata tccccagtg tatacgttgc 120

gggccaagtc ctcaagaagc ttctcaatga tttcccggac aaggctcgacg gacagcaggt 180
 tgttgcgga cggaaagccc gcaagggtta cgaagccctt gaggcgtacc ccgaggtcta 240
 ccggatcggt ccggacaagg ccgtgcgctc gcggatgaat atctgcttcc gagttgtcaa 300
 ggtaggcgca ttcgctccaa cttgcatgcg gttcatcact aactcttggc ttagaacggc 360
 aacatcgacg aatctgaaaa gaccttcctc aaggaggca ccgagcgtgg cattacagga 420
 atgaagggtc acaggagcgt tggagggtgag ttctctaagc gttttctagg acggttttgc 480
 agtctagcta acacgcaccc caaggcatcc gcgtctcaaa ctacaatgcc atccctgagt 540
 ctgggattga caagcttggt gtttacttaa aagaatttgc tacattatag gta 593

<210> 22179
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 22179

gcgctatacg agtcttgta ggggatttgc cgggagtgtt cttctgctat cgttggtggt 60
 tgtaatctga ccctgtcgcc gcatatgacg gttgctatgg cggagcaggg cgtgatagca 120
 cccacaggat actgccgttc ctttgacgcg aatgcagatg gatacaccag tggagaggct 180
 gtcaacgcaa tctacatcaa acgcctatct gcgcccattc gagattgaga caatatccgc 240
 gccgtgatcc ggtctgcatg catcaattca gacggcaaaa cagccgggct gtcattcccc 300
 agtcccaaaa gccacgagga tctcattcgg cgcagccacg agctggccgg tattgaatat 360
 ctatcgaagc cagccataat tgaatgccac ggtactggca cagcagtggg tgatccccct 420
 gaggttgtg ccgccgcgca ggtatttggg gaatggggta tacttattgg atctgtggac 480
 cacgtacgc tacttgtca gcagtcaatt tcgcaaactc atcacttccc ttaggtcaaa 540
 acagatctag ggcatagtga aggtgcctcg ggattaagca gtgttttgaa gatggtgctc 600
 gtccctggaac accagaccat tccactgaac ctcaacttca caaccccaa tccgaaaagt 660
 atgtgtttac ctcgatctgt aaggcaggca agtcatatat gagctgaggc agctaactgc 720
 aatggctagt accttttgac tctgcgctc gaaggggttc ctgtggaatg ccagtcatgg 780
 cccagcaaca agcatgaact agtcggcgtg aattcctttg gtattggtgg gttatgttat 840
 gttatgttat 850

<210> 22180
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22180

```

ttccaatccg tactgacgtg gttctcaact aattcatagt ctacactcaa acgttcggcg 60
ctgcgggatca ctcgaggagt tgagctgctg ggtggtgaat tctcctcgac acattcccgt 120
gaaaacgttg ttctcaagac caaattcctc gcgaacgacc ttccctactt tgttgagcta 180
ttggcggaag ttgcttccca gaccaagtat cctagtaagt atttgctgag aagggcgag 240
taaaaacctc gatatatgga cctaaccttc gactaggcta cgagctcaat gaaattatcg 300
ccaagcttct gaagctcaga caggctcgca ttgccaatga ccctgaggct gttgctgtcg 360
atgccgttca cgggtgtcgc ttccatcagg gtctcgggtga gactattact ccctccgctc 420
atgccccata cgagaagaac ctctcagctg aggctatcgc cgagttcgca aagaacgcct 480
atgcgaagtc caacatcgct ctctcgggtg gcggtgttag ctctgcagag ctttcgaagt 540
gggttggtga tttcttcaag ggtcttccga atgccggcac caccggccga taccaggtca 600
agtccgactc tgcttcgaag tactacggtg gtgagcagcg tatctctacc aaggccggca 660
actccgtcgt gatcgcttcc cctggcacca gcgccttcgg aacttcttcc tacaagcccg 720
ctgcttccgt tctcgtgct cttctcgggt gtgagtcgtc catcaagtgg tctcctggtt 780
tctcgtctct cggccaagcc acccagggct tcagccagct tcgctctcg accaagaacc 840
atgcttactc                                     850

```

<210> 22181
 <211> 750
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22181

```

ccccgccagg aagacagccc gaggggaggg agaggggagc acgaccacca gcgcaaggac 60
caacggaggg aaaaaggga gggcaaggaa aagacacgcc ccaagacgcc caaccaggag 120
agaggacacc accgacagca atgaacagca ggaagccgaa catgaacgac aaaccaggca 180
gcacgcaacc aaacgagagc aaccgacaga ccagcacaac acgcaatcaa ccagcaatgc 240

```

gacgcaccca aagccggcga agcaggccac gcacagacgc gggagcaaga gagaccacgg 300
agaggcagac aaagcgggaa ccaaccacg cccagaacac acgacgaaa ggggggagca 360
gccaaaccgag aagccaacac gagggcccg ggggaccca ggcaccagg gaaggcgaaa 420
agacaagacc cgccggagcc aggacacgca cggaggcaaa ggggagaaag caaggcaaaa 480
ccgggccaaag aaaacgccag cgggagcaca agggagccgg gaaccaccca cgagggggcc 540
aaccgcgcgc ggggaggggc cgagacggca cagaccggg gggccaaacc gacggggggg 600
agccccgaag aaggacggag agggaaggaa gggaagaaa gccaaaacc aaggcgagc 660
aaagggggcc ccgaacaaa gagcgggcca acccaaccg aaggggcaaa ggcccaggac 720
ccccggcaaa aaggaaccaa cccaaggggc 750

<210> 22182
<211> 770
<212> DNA
<213> *Aspergillus nidulans*

<400> 22182
gcgatgaccc cttcaacgaa gccgaaaacc ttccatgttg ccatcgttgg cggtggaatt 60
gccgggtctga gcttggtat cgcccttcat catcgcgacg tctcagtcaa gatctacgag 120
caagcccatg cctttgccga agtcggcgct ggcgtctcct tcgggcccga tgcagtcgag 180
gccatgaaac tctgccacag tgggatatat gaggcattca agaaagtgtg cacacggaat 240
ctgtggccgg agaaggagaa agtgtgggtc gactacctgg acggatacac acacaatgaa 300
gaggagtaca atgccgcttc gagggggaag gagagcaaga ggcagaaaat cgcattcacg 360
atcacaata gtctcgggca gacgggggtc catcgcgac attttctgga cgagctggtc 420
aagttggtcc ccaggaat tgcgcagttc aataagcggc tccagaacat aacagagcgg 480
ggagacggga agctagtgt caagtttgcg gatgggtgg aggacgaggc agatgtggtc 540
attggttgcg atgggatcaa gtccagggtc aggcgaattc tcgtcgggga ggaccatccc 600
tcagcgcacc catcatttac acacaagtat gcctaccgag ggctgggtgcc catggacaag 660
gcgatcgagg caattggaga ggaacttgcc tccaataaat gcatgcatgt atgtctcttg 720
aatatctttc cctggtttcc tgcatagaat cctgcaaata cataccagat 770

<210> 22183

<211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 22183

tatgaggccg cgcggatcat aaaactcatg aggctgtatc gcacactaga tatggccctt 60
 gtggctagcg attacatggg ctgattacat aggcagttac acccggggtg atcctagccg 120
 tattgaacgg gtaacgtggt gcttgacgcc atgattatat tggagcatga acgctgatga 180
 atatggatat aaatgggtcta tataatcatgt atgtcattta tgggccacat tatatataaa 240
 gattgccaaag ccaccggcgc cagaatagcc atgaagcaag agtatcgtgt cgtggggcgt 300
 gaggctacag atgatacggc gccactaaat tggcaagacc gagtccatga aattgtctga 360
 ccattatcat agatatacgg catcgatgat gaagcctggt ttctacattc tgaagaaact 420
 cgtgaatata gcatctcatg aaggacaata atattctggg ttacggtgca aatattgtgt 480
 gatgcgatgg cagatgtatc 500

<210> 22184
 <211> 715
 <212> DNA
 <213> Aspergillus nidulans

<400> 22184

gcggaagaaa cctggcaagc cgctgtagct gagcgccgca gaatactgga tcttctgatt 60
 cccacagact ggaaactgag cggggagttc agagcttcgc ttccggcaga cggccgtctc 120
 ctgcaggcag atcctgtgcg aaagagtggg attctctcag aggatgagct ggacatcacg 180
 gagaactatt cagcgggcca gcttcttcag cgactggcac ggggtgacgt tagctctttg 240
 gctgttacga cagcgttttg caaaagggcg gcaattgcgc agcaactggt aggatgatgt 300
 gccttgcgta cactgtgctg tttctgactc gtacagacgt catgtttgac ggagcatttc 360
 ttgccecaag ccattgagcg agcacggtac cttgatgagt atctcaagcg cgaaggcaag 420
 gttgtaggcc cgctacatgg cttgccgatc agcataaagg atagcttcca ggtcaaaggc 480
 ctgcatacaa cgggtgggata tgtctcgttt ctgaagcacg gaccggcaac agagaactcg 540
 gctcatgggt gatctgttgc ttgaccttgg agcggcgctc tatgtgcaaa cgaatattcc 600
 acagactctg atggttagta tttgtactgg gggttcgtga gaagtgctaa tgaaagaaga 660

ctgacgattc agagaacaac atctacggcc gcaccttgaa cccccacaac actaa 715

<210> 22185
<211> 591
<212> DNA
<213> Aspergillus nidulans

<400> 22185

caccatatcg gcgagactct ggatccggtg gccctcaccg gtgggggttac tctcgtcccg 60
acaactacaa tcaacgatgc ccccgagctc gacattctct taattggagg agatagtccc 120
attcgtctcca atatcccaga gagctacaag gagttcattc gacgccatgt cgccggcgga 180
aagctcttat tcacaaactg cacaggtgcg gctgtcgttg cacagactgg ggtgcttgac 240
gggaaggctg cgacggtgaa taagattgag tttaattgga taaaacagag gtatccggct 300
gtcaagtgga ccaaagccaa gaactggata gtagatggaa atatctggac gggaagcggg 360
gcggtagcgg gcatggacat ggttgcgcat tggatcaagg agaattacgg tttggatggt 420
ttgacggagg ctgcaagagg tttggatttc gagcctaggg acgtcaacgg gttatttact 480
gtgttgccac cacgattcga tgctgatgga aagaggattg cctcgcatgt tttcccttga 540
gcgaaagaaa tctctctagc atcgtcaggg agttgcgtag attttggcga g 591

<210> 22186
<211> 593
<212> DNA
<213> Aspergillus nidulans

<400> 22186

tcgtgaatgg ccacaatcta gctggcaacg aatggctcat ccagcgtgtt gtaaataaag 60
gccaccatct agcatcgcac acgggcgtga aacaccccag ggaacagcct ggtctcttcg 120
ctccaggagt ttatttcaaa actaacctga cgtcgtctta ctttccagat ggggccatac 180
cgatcttact gttctcagct atgatcaa atcgcgaccaa atgacccgac tcgagtctgc 240
ctttgtagca tccgtcgggg tagtccctac ctacatgagg ccaccgtacc tcgccgcaa 300
tgactatggt ctgggcgtca tggctgaact cggctaccat gtcattggtg ctagtgtcga 360
taccaaggac tatgagaacg atcatcctga tctgattgga cgtagtgtgg ccaagtttaa 420
ccaggagcta gatcaggag gaacgatcgt cttgtcgcat gacattcacg aacagactgt 480

gcgaactctg acacacatca tgctggagga agtgtacgaa cgagggttgc agcgtaagca 540
ccattttgcc ctttctttgt ccctatgttg ggctccaaga gacgttacac tga 593

<210> 22187
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22187

ctcgacttcc cggacaacaa gttctccctc tactttctcg cctacaacgg gccccagtcc 60
ctccagggcg accgtcactg gacagaccgc aacgccgttc tcgaactcac ccacaactac 120
ggcaccgaga acgaccccaa ctacagcatc accaacggaa acaccgagcc gcaccggggc 180
tacggccaca tcgccatctc cgttgacaac atcgaggcag cctgccagcg gctcgaggat 240
gccgggtacg cgtttcagaa gaagcttacc gagggtcgca tgaggcacat tgcttttgtt 300
aaagatcccg atggctactg ggttgagatc atcaagcgca gagacgaggc tatgagtacg 360
tctacggatc cggcgacctc caggctgaac cataccatgc tccgcgtaaa ggacgccgag 420
gccagtctca agtattacca ggaagtcttg ggtatgacgc ttgtaaggac gatcgagaat 480
aaggaggctg cgttcaacct ctacttcttg ggatacccg cgtcgaaccc gcaggcgact 540
gagggcgcca ataatccggt tgccgagtgg gaggggtgc ttgagttgac gtggaactat 600
ggcactgaga agcaggaggc caaggtctac cacaacggga acgacgagcc gcagggatc 660
ggccatatat gtatgttgac tactcatctt gcactcaata tcggctctaa catatatagg 720
tgtctccgtg gacaatttga acgcggcctg cgagcggttc cagtctttga aagtgaactt 780
gaagaagccg ttgacggatg gcccatgaag aacgtcgggt tctttttaga ccagacggat 840
actggatcga 850

<210> 22188
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 22188

ataagcagaa ccatgaaagt gttcagagcc gcaacgttca tcactgtgtt cctcgccgct 60
acagatggag taaacgccat caccgatacc aggactagcc cgctgagaaa ggaggcagca 120

ggaaaaggca ttctcattgg gtctggggct attagtccga cctatctcaa tgatcctcag 180
 tttgcgactg tccttgctga gcagttcgag agcctctctc ccgagaatga gatgaagtgg 240
 tcattcatca acccgaccaa agggcactac aactgggaga caatcgaccg tctgggtgag 300
 ttcgccgaag cacacgatat ggtagttaaa ggccatgggc tcatctcgag ctgctgcaac 360
 cccgactact tagtcaatat caccaaccct acggcattcc gtgctgcaat ggcggcgcac 420
 ttcaaagcag ttatgcggcg gtatcacggc aaggtagatc ggtgggatgt gtgtgacgga 480
 agccataaga ccagcgtact 500

<210> 22189
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22189
 caggatctac ctactaaca gatcgacgta gttgccata atttctgggg aaaggatgat 60
 gccggcgttg cgcccatgct agagcgcatg caagcagcta agctctcttg cgatgaattg 120
 aagacttggt acaatagttc gtcacccatg cctaggtctg actcggaac ccgtcgttct 180
 gacagctgct agtcgcgcc gcgatcgaag atgagtatgc acggaagctc cttacactct 240
 gccgcaagcc tctcggagca cacgagacgg gatctcttcg ggagtctttt gatactgtgc 300
 gagcagagac agaggccatt gcgaaagcgc atgccgccat cgcagggcaa atgaagagag 360
 agctagaaga gccgctgatc gcatttgccg gtggtaacaa agaacgaaga aagatcatcc 420
 aaaatggcat tgagcgcata cataagacta agatgcaaca gacacacacc gtgaataagg 480
 tgagcttggt gatattctag cgcggaaccg gtgggctaaa cagacagact cgggatcgat 540
 acgagcagga ctgcctaaga ataaaagggt atttggcgca aggtcacatg gtgatgggcc 600
 aagaggagcg aaagaacaag gcgaagctcg agaagaccca gattcagcta gcgtctagca 660
 gcagtgagta tgatgccgca gttaaagtgc ttgctgatac caccgaacgc tggacaagg 720
 aatggaaagc tgcctgtgat gtaagccctg cgcagaaact ccttgattgg tttgtcacta 780
 atagcgattt agaaatttca agaccttgag gaagagcgca tcgatttcag cgagagcagc 840
 catggacata 850

<210> 22190

<211> 385
 <212> DNA
 <213> Aspergillus nidulans

<400> 22190

gaggaagatg gagegggttct gcgaggtctt cgatgagctt aacattcctg tacgtcccca 60
 ttcctatcct tttggggcgt gtttaattgc tgactttctat tagtattctg accctgaagg 120
 tggctacttc gtgctggcta acatggcctc cgtcaaactc ccagaggggt accctttccc 180
 tcctcacgtt gctagccggc cgcgtgactt taagctctgc tggttcctta tccacgaagt 240
 cgggtgtggct gccattcctc cgacggaatt ttataccgat gccaacgcac atatcgctga 300
 ggactacctc cgctttgcag tttgcaagga ggatgacgtc ctcgagacgg cgaaggaaag 360
 acttcgtggg ctgaagaagt atata 385

<210> 22191
 <211> 703
 <212> DNA
 <213> Aspergillus nidulans

<400> 22191

gagcttggtg ctttcgcaa gcttgagccc gagttcactg ctctgtggcgt caagcatgat 60
 cgggtctcgtg cgtggacacc gttgtgcccc tcatactagg tcccttacta actcctcata 120
 gagcgccaac ggactgaatc ccacaaggcc tggatcaagg acattgacga ggtcaccggc 180
 tcaaagctga ctttccccat catctccgat cccgagcgca agatcgcca ccagtacgac 240
 atgggtgact accaggacac caccaacggt gactccaagg gtatgtggga tctaggaata 300
 tgctgaactt gagcttctct ctaaccactt tcccgaggt atggctctta ccatccgttc 360
 cgtcttcctc atcgaccctg ccaagaagat ccgcctcctc atgacctacc ccgcctccac 420
 cggccgcaac acggctgagg tcctccgtgt cgttgatgcc ctccagacca ccgagaagca 480
 cgggtgttacc acccccatca actggcttcc tggtgacgac gttgtcatcc ctctcccggt 540
 ctccaccgag gatgctcaga agaagttcgg cgacgtccgt gttgtcaagc cgtaagttca 600
 cccgagcctg gagcattcat cagttgtttg gagcagttga gcagttgcta accatctctc 660
 gtgcagttac ctgcgtttca ccaacctcaa gaaggaataa att 703

<210> 22192

<211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22192

```
gtggcaaagg ggggagtata tactccttat tctagacagc catggaagcc acttgacccc 60
ggcctttgac actatatata aggataataa tattatccct gtctgcatgc ctccattatc 120
atcttacttc ctgcaacccc tggatgtggg ctgttttagc cccttgaaga ggggtgtacgg 180
atccctgatt aagcagaagg cagcctagg atacaaccat gttgacaagc ttaatttctt 240
aaaggcttat tcagaagcct ataagaaagt ctttataata gagaacattc aaagcagatt 300
cagggcaact aggttatatc ctttcttacc tgctgcagta ctggataagc tgtagttaag 360
actattaact cctacacccc cccccaagca gaggtactgc tttaatcccc tcctctcaac 420
tctgtatgcc ttatacagtc tgtcaggtat attaaaaagc tttatcagtc aaaaagcttc 480
taaaagaggg ctctaggagt ccttcaagcc cctcaaaata ggcgctggat gaatttgtaa 540
agggctgtga ggtggctatt tacaatgcta gggtgctggc acaggaaaac aaggatctct 600
gcttatttgt agcagataac aggcaaaaaa gagttgttct aggtgtctaa taactcctac 660
agatggactc ttatttaaag aagccaggga ccttatttca tcgaggaata ataaattaca 720
agctgggtggg ggggggttcaa gctccagtac ctttccaact tcggagagac ttaggcgcgc 780
cccccaagg tgtacaaatt gcggagtaca aggccataaa agaacaagct gtcaggttcc 840
caatcatcct 850
```

<210> 22193
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22193

```
agcgtctgtg tatcgtcggg gtcggtatgt gccttactca tcactaagac tcctttgctc 60
ttttaattac tccgttttac gacctgaact tttctgaga ctgtatttgc ttctagactc 120
cggcgctcag cccctcgta acgacgatga atccctcgcc ttggccgtca acggtgaaat 180
ttacaaccac cgcacgtga ggaagacctt ggacgtggaa tacaactata agacacactc 240
ggactgcgaa gtcacatccc ctctggtatg tgcgattaga gcagcgcgga agaggtttgt 300
```

ggtaaaggat actgactcgt gtagtacatg aaatatggtc tcgatgctcc caaacatctt 360
 gatggcatgt tcgcctgggt tctttatgac aagaaggagg atagggttat tgcggcacgt 420
 gaccctattg gtatctgcag tttctacatc ggctggtcct ctcagactcc tggagccgta 480
 tactttgcct ccgagttgaa gagtttgac cccgtctgcg acaaggtcga ggcttttcct 540
 cctggccatg ttttcgactc caagagcggg gaattttccc gctacttcca accctcatgg 600
 tgggacccga ccaacgttcc cagtacgccc gttgattaca aggcgattcg tgagtctctc 660
 ccgaggtctg tgcgcaagcg cctaattgca gaagttccgt atgggtgttct gttgtctggg 720
 ggtcttgatt ctagcttggg tgcttcgatt gccagcggc caactctgcg catgcagaag 780
 gctagatccg gtgtcaagag cgaggccaac ggtgaactgg tcggtatcga cggcgagatc 840
 gggcttatcg 850

<210> 22194
 <211> 839
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22194

ccctaactgt ctgtacagcc ctctctgcaa agaagtgaac gatgctctct ccaaatacga 60
 tgaaatcatg gatattggcg ctatcatcat cacagggggg gagatggctt ttgccggggg 120
 gttcttgtct actccatgtc aaggctcttt ctcttcaagt cgcaattcta acagatattt 180
 ttggtgtata aagccggcgc ggacatcaaa gaaatggccc ctctaaccct cgcttccgcg 240
 tatagcaaca acttcatagc cccttggctg catctcgcga attctattcg caagcctgta 300
 attgccgcg tttctggctt cgcccttggc ggtgggcgtg aacttgctct aatgtgtgac 360
 atcatctact gcaccgcgtc cgccacgttc ggacagcctg agatcaagct gggcggttatc 420
 cccggcgccg gcgggtcgca acgtctccgg gctgcggtgg gcaagagtaa agcgatggaa 480
 ctcatcttaa cgggcaagaa cttcagcggc aaagaggcgg gtgagtgggg agttgcggcg 540
 aaggttgtcg atgggtggaa ggaggaactc ttgaggaggc agtgaagact gccgagacaa 600
 ttgccggata tagccgggtt gcgactgttg cggcgaagga agtagtgaat aagagtcagg 660
 atttgggagt gagggagggc gttgagtacg agcggaggct gttccatggg ttgttcggga 720
 gtcaggatca gaagatcggg aggtttttgt ccctttacca ttactccaag aatggcactg 780

acggagagaa aggaatgact gcgtttgcgg aaaagaagaa gcctcagtgg tcgcacgag 839

<210> 22195
<211> 619
<212> DNA
<213> *Aspergillus nidulans*

<400> 22195

ggatcccctt cacggcgttt cttgcccctc cagctcagaa tcttcagatc accgacccca 60
attcttcatc gacatgcaca ctagcaaacc tacaataagg gaggtttatg agaggaagag 120
gcttgccgca aaggagaagc gtgtcgcgaa agagaaacat gctgccgaga gtgtgaatgt 180
cgatcccgat acagccaggg attgggaagt tactcttgag gttgttttgc ctgccgcgtc 240
ggagcctgct gaggtgggtg ataccggctt atctctgaca gatccgccgg ttgaagtagc 300
tagtcaagcg atcgtcgcga ttccgaccgg cgacaaggcc tcgggaaaac gtccacaggt 360
tgacgactcc aaggagaaga aaaggaagaa gaagaagaag aagaagaagg cagcgaaaag 420
ggaggacaag cctcctatct ttgaggataa ggctgcttcg gcgaatctcc tcagaaagtg 480
cgcgagtagc ctacttccgg cttcagatac tctactggag tctagaaagt acgctgagac 540
ggcgctacat tttctaaggg taagtgttta atcattttag ctacttggcg cgttctccga 600
gctattatga acgtggatg 619

<210> 22196
<211> 487
<212> DNA
<213> *Aspergillus nidulans*

<400> 22196

cgatgggtcta caggtacctc gtcgaagatc gccggtaggg aaggttgcca cctgcgtgtc 60
cgtgttcacc cttccacgt catccgtatc aacaagatgt tgtcgtgcgc tggtgccgat 120
cgtctccaga ccggtatgcg tgggtgcttc ggaaagcccc agggtaaggt cgtccgtgtc 180
aacatcggcc agatcatcct gtccgtccgc acccgtgact cccaccgtgc caccgtcatc 240
gaggctctcc ggcgtccat gtacaagttc cctggtcgcc aaaagatcat cgtctccaag 300
aactggtggg tttaccccct gttcgtcgtg aggaactact tttcattttc ttcaggaggg 360
ctaggttaag tcagttctgg ctcatctcct tctatttcat tctttgttct ctgttaaatt 420

ttgtctatat aattttaccc ttttctgttt gtottattta ttaaatttta atatttttct 480
ctttctc 487

<210> 22197
<211> 493
<212> DNA
<213> Aspergillus nidulans

<400> 22197
ttccggacaa ccaactggcgg acaggggtct ttgaaaaaca aggcgtctct ctatccggct 60
tgttgaatgt catcgacggg gtcgcagcat gcgaaggccg cataacttgtt atgacaacca 120
accaccctga gaagctcgac cctgcgctcg tccgccagg ccggatagac ttgtctattg 180
catttgggca ctccacaacc tctgacatta aggagctctt ctcagctata tactctacat 240
tggagggcga cctgcggggt tgcctgctg agcggttgag cctaaactg cgtgcgagga 300
tggcgaagcg aagctcaacc tcacattcca caaacagcac caatgctaac gtcgttatcc 360
acaaggaaac tagaaagttc tctgaagagc aaatccggct atgggcggcg gaatttgcag 420
aaagggttcc tgcaggcgag ttcacccgtg cggagatcca ggggtatctg ttgaaacata 480
agactgatcc gga 493

<210> 22198
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22198
aggcccatgt ggtccttgca gtgaaatcca ctatgatcg attggcgggc gcaatgctgc 60
ttctottgtg aatcaggatg atccaaatgt tctagagatc tggaacaacg ttttcatcca 120
atataatcgc gagaacgatg gatcgtgctg ttctttgcca aacaagcacg tggacactgg 180
aatgggtttt gagcgtcttg tatctgtgct gcaggacaaa tcctcaaact atgacactga 240
cgttttcggg cccatcttcc agaccattca agttattact ggagcacggg aatatcaggg 300
ccgatttgga actgacgatt cggatggaat tgacaccgcc tatcgtgtgg tcgccgacca 360
tgtccgaacc ctgatgtttg cgatctctga tggcgttggt ccaaacaatg agggccgcgg 420
ctatgttatt cgacgtgtat tgcgcagggg tgcacgttac gcacgaaaat acttcaatgt 480

cgaaattggg agcttctttt ccaaaatcgt tcccactgtt gtggagcagc tcggcgacat 540
gtttcctgag ttgaaacaaa agcaacagga tgtcatagag atattgaacg aggaagaaat 600
atcttttcgag aaaacgttgg atcgcgggga acgccagttc gaacagtatg ctacgcaggc 660
caagactgag ggtgaccaca aattacatgg agcagatgtt tggaggctct atgatacttt 720
cgggttttcg gtcgatttaa cgcgcacatc ggctgaagag cgtgggtctc agaaaaaaga 780
tcgtcagttc gaagaagcac gccacaaagc taaagaagcc agcaaaggcc ataacataaa 840
aacgactgaa 850

<210> 22199
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 22199
ggcgacgagc tcttcaagcg cgcaggtgtc tggttcgtct cgagcaatct cggctccttc 60
gcaggcgggt atctacaagc cgcagcgcac gagacgctag acggtgtcca tgggatggcc 120
gggtggcggg ggctattcat tatcgatggg tgcacagct tgccaattgc cctgggaagt 180
ttcttcttct tacctggtct gccgcacggg gagaaagtgt ggtggttgac ggacgctgat 240
cataggcctc tgtgttcaga ggatgcggaa cgagggtgtg agggaaagcc ggaaaattgg 300
gaaacgcatg ctacaggagag tgtttaccca ttggcacttc tatatcgag tctttacgta 360
catcttggtt gtgggccgct tccctaccta gcatgtgcac aggtaggtaa aaactgtttg 420
ttgcagtgc taacgattca accagcttcc aatgcacctc ctacgttgcc ggccagatga 480
tctcttggtt aaaagaccag gcagatcgat atggtacctg gacagtgtct cagatcaata 540
tgattccgac gggcgctacag gctgtttctg tgtttgccgg tgtactggcg acatctctgg 600
tcatggtata tccgccttgg gctgtcatgg gcgttggtgc ctccgtcctg ctcttctcga 660
atgtctgctt tttggtctgg gatattccgc tgggactgaa atgtgagctc atcccttctt 720
tctatataac ccttttgttg ggcgcagcgt gttgatgata ctagttactg catactacct 780
tctcggttcc acctcggtg tcacgccaat cctcttcccg tgggtgaaca tggatcatgcg 840
cgatgactcc 850

<210> 22200

<211> 319
 <212> DNA
 <213> Aspergillus nidulans

<400> 22200

tgacgtcggc gggcattcga ccgtatccca atcattgaaa gctgtgaagg cagatggcct 60
 tgttgccctg gctggattac ttggtgcac tgagaatgct caggtaccat caatcatgga 120
 cggctctgaca tatctctgtg cgacgagggg attcctgctg ggtacgcggg agcaatttcg 180
 ggaattgaat gcccttattg acgagaagct catcaagccc gtggctgatg accgggtttt 240
 tgggtttgcg gagataaggg aggcctatga gtatctggag cagcagcggc atttctcaaa 300
 gggtgttatt gatattgat 319

<210> 22201
 <211> 604
 <212> DNA
 <213> Aspergillus nidulans

<400> 22201

aaagctaattg cttctcagct gcgaaacaca tactgcggga tctgcggcac gacctccatg 60
 agtatacctc cggaaccgctc ttaataaccga agggagcaca tagcatcacc aaagctaccg 120
 cgccgggttg catgggtcac gagtttggtg gagtcgtcga ggaagtggga gaaggcatca 180
 cacacctcaa gccgggacag aaggcggttg tgcgcccac catattcgac aggaagtgcc 240
 ccccatgcaa aattggctac gagtattgct gcgagaatat tggcttcac ggactatctg 300
 gtatgctctt tttcagaatc aagcaagctg tacgatctgg acaagctaac gtcccaatgc 360
 gaacaggtta cggcgggtgt tttgccgaga aaatagtcgc gcctgcagaa cacttctacc 420
 ccattctctga taatgttacg ccggaatcca tggccatgat cgaaccactg gcggtcgcac 480
 ggcacgccgt cgacttgctg ccattcaagg agggtcacaa tgtcttggtc gtcgggggcg 540
 gtcacatggg tctatgcttc ccgccagtaa tggagatgcg aggcgcccac ttcccgtgc 600
 cctt 604

<210> 22202
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22202

acatcatact ttgctcgact accatctcag acagaaacac cgaagtgggt gatccaggct 60
tccgttatag agggaaatcct cttcagctgc aggttgaaga cgttggacat cttttcgact 120
ggaaaagccc tcggcgacag atatattaaa tatgccgcca tcttttggac actggccaac 180
aacgcacgtc ctgagtatct tctcagtacg tcggtgatct atagcatggg ggaactttct 240
gttgggatat ttcaggaaga cgaagaaatg gagaagtcct tggccaacct accggatgct 300
gctaccgacg ccgtagctga ctatatcgat aaatcgtgcc acgagacagc tttttgcaac 360
aatgtcgctt cccacggcag accgcatgga tcggatatct ctggatatga tgtagaaact 420
cgaactcaac tcatgaccat ccagcacaac ataaggcttt ggctgcgctt tgctttggta 480
gacaacctcc cggcgaatgc caattcccat gacatatagc atctcaagca agaagtcaag 540
atggcaatga ttgctgctct acaacaagct aaagcacaca aattcctcaa cagcagccaa 600
acattctacg cttggctcca cacatgtgcc gtccacgacg ccaaaagcgc tgtcgtctcc 660
aagtccctga tttgcaagat cgggcacggg tcaaatgtct tccgcacagc caaggaaaaa 720
tatctcgccg aaaggttatg ggggcagggt tccatagagg gcagactttg gaacgatctt 780
gggagcattg agcgagacag actcacagca aacctcaatt cggccgactt tctcgagtcc 840
gggccagctg 850

<210> 22203

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 22203

ccgcaggaca ttgctaacaa gggcgtctta accagtgtga attcatgact ttcaacttcg 60
caatgcaggc tatcgatcaa atatcaactc tgcagccaag acgcactaca tgtccggcgg 120
cattcagcct tgcaacatca ccttccgtgg tccaacgggt tttgctgctg gtgttgcctg 180
acagcactct caggattact ccgcttggtg cggcagtatt cctggtttga aggtcgtggc 240
tccctggagc gctgaggacg ctaagggtct catgaaggca gctattcgtg acccaaacc 300
cgtcgctgtc cttgagaacg agtatgtgaa tcacctcaaa atcactccat cgaagcgtat 360
cacaactaat cgtgtccaga cttctatagc gccaggcctt ccccatgtct gaggctgcac 420

agaaggacga ttcgtcctcc ctattggcaa ggccaagatc gagcgtcccg gcaaggacct 480
gacaatcgtc tctctctctc gctgcgttgg acagtccttc aacgctgctg ctgaactgaa 540
acagaaatat ggtgtcgaag ctgagggttat taacctccgt tccgtcaagc ctcttgacgt 600
tgagacgatc attcagtctc tgaagaagac cggccgcctg atgtgcgtcg agtctggttt 660
ccctatgttc ggtgtttcct ccgaaattct cgctctgtcc atggaatacg ggttcgacta 720
cctgacagct cctgccgttc gtgttactgg tgctgaggtc cccactcctt acgctgtggg 780
attggagact atgagctttc cccaagagga caccattggt ggccaggctg ccaagcttct 840
ccgattgtaa 850

<210> 22204
<211> 503
<212> DNA
<213> *Aspergillus nidulans*

<400> 22204
gaaatgcaag ccgccaatcg cattcagaaa gccctcaaag caggcacacc cgcttcgggtg 60
cctggcagat gctccccggc aaaaacctga ctgacccat ttgccggtcc gcaccgaaca 120
tcgactggct gctcgtcgac ctggagtacg gcaacatctc cgacgatggc ataacacgag 180
atcgttgctg cagcggcggc ttgcagtacc tcgccgattg ttcgcgttgc agaggggtcag 240
ctttggatta tcaaactgtc cctggacgcc ggcccgcacg ggatcatggt accgatgac 300
aaaaccgtcg atgatgcgag gacggctcgtg gagtatagcg tgtttcctcc gcgaggggaag 360
aggggtttga ggcgtgctt gcggcggata tattcgtttc caccgccacc caccgggcaga 420
ttagacagct gaccggccta gagaatctgc agctggctga tgaaggcttg gtgattgcc 480
ttcagattga ggcgaaaagc gcc 503

<210> 22205
<211> 354
<212> DNA
<213> *Aspergillus nidulans*

<400> 22205
agaccggaag gcgaccgcag cggcacgacc agagacaacg ggacagggat cagataacgg 60
gcagaagccg ggaacgcgca ggagacaacg agagcccggg gaccaggacg gacggccgaa 120

cgagcaaaga cgaaaaaggc aacgaccacg cgccagacgg gagcagagggc agacgaaagc 180
acgaagaaga aggagcgggc ggcagagcca cgagaaccaa aaaagccgag gaaaaagaga 240
gaagaggaca aagagcgaaa aaggaacaag cgaacgcaga ccgaccacaa cagagagaga 300
gcgagcgaaa acaaagccag agagacagac ggaagaccgc agaaacgagc aagc 354

<210> 22206
<211> 582
<212> DNA
<213> *Aspergillus nidulans*

<400> 22206

gctaatagaa ggccgtcagc ctccaaaacc accttccact tcggagccgg cctcctctcc 60
ggtctcacat cctccatcct cctccaaccc gccgatctcc tcaaaacccg tgtccagcaa 120
tccgcccatc cctcctccgt cttctcaacc gtaaaggcaa tcctgtcttc acctaacccc 180
gtccggaatc tctggcggcg aactctccct tccgcgctcc ggacgggctt cggctccgcg 240
ttatacttta cgtcgtctca cgcgttacga acgagtctcg cttcaacatc gctcaccaat 300
tatgatgcag atgtaaagaa aataggaaac gggctctcag cgctcccaa actctccac 360
agcgcaaacc tcgccaccgg agccggggcg cgggtcggcg cgggcttcgt catgatgcct 420
gttaccgtcc tcaaagtccg gtacgagtcg gactactacg cgtaccgcag cctatactcc 480
gcgggccggg atattgtgcg tacggaggga gtgaggggtc tcttctccgg atttggcgca 540
acggctgccc gggatgcgcc atacacgagt tatatgtcct cc 582

<210> 22207
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 22207

cactaagatc gtccatgaat aggaacatga gtcggccttt ctatataata tgtgttacta 60
cttgagctaa gcctgcactt tagtgagaac gtacgcacct aatcacgcaa gtcaattttg 120
ctccagcact gattaatata tgtatagggt atcatggcct gcgtgaagaa gggactttcg 180
cgccaggacg cccatgagga aattcgtacg ctctcacat accgtacctt tcacatattc 240
tggcataaaa actaggtgtc ctctcacacc aagcctccga caacgttaag aagcacggca 300

agaataacga cctcctcgac cgcattccgcc gcaccgagtt cttcgcgcct atcctcggcg 360
agctcgacgc tctcctcgac cccagcacct ttgtcggccg tgccccctcaa caggtcgaga 420
aattcacctc gaccgaggtc aagaaggccc tgcagcccta cgagacttat ctcgctactg 480
ccgagacctc tgcgcttcac 500

<210> 22208
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 22208

gtctgatatc cccatttccg gcaaggcgct ggatgggaat gtgtatgccg atgcgccacc 60
gcgtcctatg accgttgacg agatcaaaga ggtcgtcttg gagtatgcgg cggcgagtaa 120
gagggcgatt gaggtgggt ttgacggagt ggagattcat ggtactgtaa ccacccttct 180
cgcttctgat tgtcatagca tgccctagca gatgctgact gtaacagggtg gaaatggcta 240
ccttctcgac cagtttctac acgacaatgt aaataaccgg accgacgcct acggaggctc 300
aattgaaaac cgggtcccga tcgtccttga aatcatctcg gccgtcacgg aagccatcgg 360
cgcagagcgc gtcgggatcc gtctttcccc atacaactac ttccaggata cacggggactc 420
aaaccacag aagcactggg ggtatctgtg cactcagatc gcttcacttc ccgagtccag 480
cagggcagcc tacgtgcaca tgattgagcc gcgcttcgac gagatcctcg acgagtctga 540
aaagatcagt gcccttgaga caatgcaaga agtcgtcaag ccatctcttg acgggctcag 600
atcttctctg aagaaggggg gtgtcagctt cattgcggca ggaaatttca agccagagaa 660
cgccggtgag aaacttataa cagacagcgc ggatgctatc gcttttggcc ggcttttcat 720
ctcgaatccc gatctgccac gacgattgaa ggagggtatc gagttgacca agtatgaccg 780
gagtacgttc tatggcgcaa cgccccaga gaagggtat acggactacc ctttcgctca 840
atagagcatg 850

<210> 22209
<211> 837
<212> DNA
<213> *Aspergillus nidulans*

<400> 22209

ctagtaacgg ccggctctgt agcagacccg gcttaccaat catggcattg ctttctatac 60
 aagtggccag ttgctcctgg aagagtatta tgttctcgca atggtcggga aggccgggct 120
 gaatactttg catatgtgtg caacccttaa cctgagtcca tcttatagat ctcaagacgc 180
 taagcctatg aacagggacg gaaatactcg gctatgtact gcaacggccg ctgccagtat 240
 gcgtgagtcg tttggcagcg acggccagcc ggggtcctat gcagacatcg attataccga 300
 ctgcctgttc ctggtcgggc acaacatggc cgccacacag acggtgctat ggacacgggt 360
 tttggacagg ctggaagggc ccaatccacc taagctcatt gtcgtcgatc ctggaacgtc 420
 agatacagcg aagaaggcga ctgttcattg caggcctaga ctcgggacga acgtggcgct 480
 cttgaacggg ctgcagcacc tgatcatcaa gaacggctgg gtcaacgacc agtatgtggc 540
 ttcacacgtc tgcgggctag aagagctcaa gaaggttgtc gagaagtata ctctgaata 600
 tgtggaaaag attaccggag tgccggtagc ccagcttcac gagactgcag aagcgctggc 660
 actatccggc agtctgctct ccacggccct gcagggcgtc taccagtcta accaagccac 720
 cgcgggcggt tgccaaatca acaacatcaa cctcttgctt gggcacatcg gcaagcccgg 780
 cagcggaatc ctgcaaatga atgggcagcc cacagcgcag aacaaccgtg agaccgg 837

<210> 22210
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22210
 aggtcaaggc caacttcatc aagcacgccc gcaaggatga ggccactggt gagctgtaca 60
 tgactgaagc agacttcgtc gacgcgatcg ctcccaaaca tgaagattac gtgagtttcc 120
 acccctatgt gtcattgctt gaccgaacgg ccaattgaca tggacctcag cataaaatca 180
 agcgtgaaca ctacggaatc ctcttcagag tcgcagacag tcgccggacc ggccgaatca 240
 acattcacga atgggctacc ttcgagaacc tgcttgcgaa acctgacgcc gaatacgaga 300
 tcgccttccg acttttcgat actgacggaa cggggacggg caagtgggag accttcaga 360
 agctatacaa tgagaacaag acgaaagaca gcataccctt tgattggaac tccgagtggg 420
 cggcgttgta tacaggaag aagaagaccc ggcatgatat gacatacccc cagttcgcgc 480
 agatgcttcg aggcctgcaa ggcgagcgca tccgacaagc cttccatgtg ttgacaagg 540

acggcgacgg gtacatcgag ccggaggaat tccagcgtat catccttgag acgtcgagac 600
acaagctgtc ggactatgtg ctggagcatc ttccgagcct gtgcaacatc tccgcgggaa 660
cgaagatttc gtatgccacc gtgcgtgcct tccagaatgt tatgcgggag atggacatga 720
ttgatttaat tattcgcgag gcgacggata agagtgagga tggtaagaac acgcgctagg 780
atatcctgaa cgccgcggcg cgtctgacgc ggtattcgca gttcacgccg atggaggcgg 840
atgtaagagc 850

<210> 22211
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 22211
ggcccaagac caggcttaaa aggatcctcc agctcctcct tagccccctg ccagagcgca 60
ccataatagg gctgcctctc cctcccctac gcatgcttcc aacagacaac aaagactata 120
gccccgcccc attacagata tcagtatact cagacggctc gcgaactggc caaggggcag 180
gatatggcta tgcaatctac tttggcccta tcttgggtgac caagggacat ggccccgcgg 240
gccccaggac agaggctctat gatgcagaaa tcatgggcgc tgtagaaggc ctacgcgcag 300
ccctgggaca accatgtgtg gggttactcta cccagctagt tatcctccta gacaacctag 360
cagcagcctc cctgctagca agctataggc caactccgca taggcatgga ctgtcagagt 420
ccttcggcca gcttgctacc cagtgggttg aagctccctc aatcctaacc aggccacgga 480
agccccctta agtccgctgg atcccaggcc attctgggat tgctgggaac gagctggcag 540
acaagcttgc aaagcttggg tctctatat acagccctaa catcccccca tcccctgcat 600
acctacgacg ggaggcaaaa cagtggcttc gtacagaggc atatacagca tatgctagta 660
aggcacccca agcctacaag accctggata tcagacccca taaaaaggaa agccgcaccc 720
gcgagcacia gcttccccgt tgggtacttg gccgactcgt cgccgcccgt acaggccacg 780
gagactttac ggcataccac cagcgcttca accactcaga ctacctggag agctgctctt 840
gtggcaagac 850

<210> 22212
<211> 850
<212> DNA

<213> Aspergillus nidulans

<400> 22212

cgatgaggag cgactggagg tgtccctgaa acgtgaggtc gaaatcctca agtctttgaa 60
tcatccatcc cttgtacaac tcaaggcttt tggcagcgac gaaaaacgcy ctctcctggc 120
tcttgactac tgcccaggcg gcgacttggt cgaagtcgtc tcgaacaata ccagaccctt 180
gactccgggg ctcacccgac gaatttttgc cgagctggcg gctgctgtac gctatttgca 240
cgagcattat gtagtgcac gtgatctcaa actcgagagt aagctccccg cgccttcctg 300
ctagaacaaa gctgactgat ggctaccaga cgttctcgtc aatcttccca aagaagctct 360
gcaaaagatt accgattggc gtacttatga ccgtgcagtt gtgaccttga gcgacctggg 420
cctctcacga cgtatacctg aacctcctga gagccctctt ctccaaacct gctgcggaag 480
cgaggactac gcagcaccag agattctgat gggccagcag tacgatggcc gctccaccga 540
cggctggggc cttggagttt tgctgtatgc gatgatggag agcagacttc ctttcgacgc 600
cctccctgga acccgaggcg atcctgcgaa actccgagcc cgaactcctc accgtatagc 660
acgggtgcgaa tggctcctgg accggtagcg agacagcgac ggtgagtggg atcccgagaa 720
gggccgtggc cttgaaggcg cgcgggagtg tgttgagtcg ctctgaaac gaaacacaaa 780
acgcaagagc cttgaagaga tcgcgcccat ggagtgggtg aaggacgcca ttgacgtgcc 840
tggcgggttg 850

<210> 22213

<211> 850

<212> DNA

<213> Aspergillus nidulans

<400> 22213

cccccccca acagcccccc catggggcgc ttggtcaccg gattcacacc gcgccgcaca 60
cccctaccgc ccaaacctag tccacctaaa ccaccgacta tccccccac ctgccccccc 120
acaaaaacct ccaccgcagt acggaacgcy ccacccccaa ctacaaccag ccccaaaacc 180
acaaacacac accccccct tcacacgaca tcccacccc ccaaccaccc gccagcccc 240
cccaaggccc ccccgacccc ggccccggcc acctgaacca catgccccca acaccaaca 300
gcacgccccg tcccaccggc cccaaaacct ccggaccggc ccgcctcccc ccggaacct 360

accccacccc ccaccccgca ccggagcccc cccgaacccc cccccccatc ggcccaccct 420
 cccctccaca cccgcgaccc ccccccccg gaaccccccg gccccccacc cagcaaacc 480
 gaccccccca accaccaacc cccccgacat ccgacccccg aaataacccc cccaccacc 540
 cccccaattt ccaaccacc ggaccgcaat cacccaaaca cccgaccatc cccctgcca 600
 ccgcccctta cccaccacc gcctataccc acccccaacc accccaacac cccctcgcc 660
 actcaacccc ccccatcccc ccaaaacccc ctccccccca ccaccatacc caaaccccc 720
 ccccaaaaaa cccctacacc ccaaaccaac ccccccccg ccaccacccc gccaccacca 780
 gacccctctt caaaaaaac agcacctca cccacaaaaa aagccccccc atcccaacac 840
 ccccccccc 850

<210> 22214
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22214

tcgccaacgc catcaactcc gcctcaccta atcgcgctat tgccgctcgtt ggcgacatcc 60
 ttaacgacaa gtacatcacg actcttggtg aaaaggccgc cgaattcggg aacggcaaga 120
 tccacattat cgtcaataat gcgggtttta cgtgggatgg agttattcac aaggtaagca 180
 cacctctcgt actcgtagca tgcttcacaa agcgtcggac tgttgctgat gcgtgtttaa 240
 atggaatggt gtagatcaca gataaacaat gggacaccat gattgcggtg cacaacacag 300
 cgccgttcaa actcattcgc gcggcagcaa agtacttccg cgtcaaggac ggggagccac 360
 gtgtgattat caacatctcg agtacgagcg ggattcacgg gaatgcgtaa gtgccacctc 420
 caccaccacc aagccgtcct ctttaagttag tgtgattgac actaattatg cgcagcgggc 480
 aagcaaacta cgcccttgcc aaagcgggcg ttgtgggcct gacacgtaca atcgcaaagg 540
 aatgggggtcc gcaattcggc gtccgctcga ataccattgc gttcgggttc gtgcagacac 600
 gtctgaccgc tgcgaaggag aagggggcgt tcattaccac gcccgacgga acgaagggtg 660
 cccttggtat acccgggcag cagcttgggg cgaaggaggg cgcaaggat gggaagccgg 720
 cgtatccgga tattccgtta ggcaggcccg cgagtcctga ggaggcggcg aggagtgagc 780
 ttgctgtggc cagtcogttg tttagttatg ttaacggaga gacaattcgg gtactggagg 840

ccggagcgta

850

<210> 22215
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 22215

agaccgtgac cgtggcgggtc gtcaggcata caaccgcaac tacagaggta tggaaatgac 60
caaccaccca tcgcttacag gacaaatcta acgaatatcg tcatccagat caacaagtat 120
atgcagctgg ctcttctagc ctcttcgccc ttcaagttgc cgaagacgaa tctactttct 180
ccgtggttga caacactcgc acttccgcta agcgcacctt tggccggggc ggtggcaccg 240
tcttccgtga ccgtgcccag cgcggcggcg cgggccagag aggcggccgt gctggcttcc 300
agcgtgttgg tgctggctgt ggccaaggtg gtgaccgcta ctacgacaac cgtggcgccc 360
gcggcaaccg gggtcgtcgc ttcggatgga aagactacga taagccgcag aggactcgcg 420
agccttcagt caacattcgc cctgattggt ctatgctcga ggaggttgac ttcaaccgct 480
tgtccaagtt gaacctacag gcacccgagg gcgaggatgt cgacacgtac ggattcctct 540
actactacga ccgttcttac gacaaggccc ctgtcaagaa cgcgcgagcg cgactgcagg 600
ctctcgaccg cgctgcgtac aacgtcacca cgtcgcagga tcccgttatc caggaattgg 660
ccgagaagaa ccaagccacc atcttcgcta cctccgatat cctctccatg ctcatgtgtg 720
ctcctcgcag cgtgtactct tgggatatcg tcatcgttca ccagggcaac aagatctact 780
tcgacaagcg tgagggcgct tcgttggatt tggtgactgt caacgagaat gccgcgatgc 840
gcccttgagg 850

<210> 22216
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 22216

attgaacacc ctgtacgcgg ggatgataca cgcgcctggg gccctcctta tgcaccatac 60
attgacggcc gagaagggcc tggcgagagt gcttactacc tttccgtatg gctccctact 120
ttatctctac cgaccctagc aagcagattc taacagtcaa atgtaggtaa accgcaacaa 180

acgtcctta gccctctct tgcgtcatcc ccaaggccaa aatatcctgc acagactagt 240
gagagaagca gacatcctcg tcgaaaacta cattcccaac agcctcgcaa aatacaagct 300
cgactaccgg accctgtcga ccataaaccc ttctttgatc tacacctcca tcacagggtg 360
tggtcagaca gggccctaca gcaacaggcc tggtttcgac gtaatggttg aagcggagtt 420
tgggctggca catctgacag ggagtaaaaa tggcccgcgg gtgaagggtg gtgttgcggt 480
taccgatctc acgacgggtc tttatgcggt gcagagtatc cttgcagcac tctggcagag 540
ggcgagagt aaagagaacg gagaggctgg aaaaggagaa ggacagcact tggatgtttg 600
tctcagtgat tgccagggtg cgacgctggc gaatatgggg caggggcctc ttatctcagg 660
acagaaggat agtgaagat ggggaaccgc gcatcgtatg gatacaactc acctacctcc 720
tctcatctct cttccactaa ctgacatgtc agcatccgtc gttccctacc aatccttcgc 780
cacagcggac ggggacatct tcgttggcgg ggcgaaacgac aagctctttg gaatcctttg 840
cgcgcggtc 850

<210> 22217
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 22217

ctcttacatc ctgcacatca agttcttctc caacgcgcac aaaaccagcg cccccaagcc 60
gagcaagtgg cttcgctcct ccctgatgtg gaaactgcat gcatcgtact tccccataag 120
actctaccga agtgccctccc tttccccgcg tcgcaaatac gtgatcggcg cgcaccgcga 180
cgggatcgcc tgccacggga tcgcaggcgc attcacggcg gatgcaacaa ggttcgagac 240
actttttcct ggaatcgtea accggttcct ggtgaaggat gggatgttca ccgcgcctct 300
tctgcgggag tacctctttg cgcgggggca gagcgggtgc tcgaaggatt cctgcatcca 360
gcatctcacg cgcgagggtt atgatcttcg ggggatgggc aaggcaatca ctatcagcgt 420
ggcggggagt cgcgagtaca atatcgcacg cccggggacg atgggcattg tggtaagct 480
gaggaaggga ttcacccgcc ttgctgtcga gacgggggcg gatctcgccc cggtgcttgt 540
gttcggggag aacgacctct ttgcgcccac tcagttctct cggtattcga tcaagggcct 600
catcgcttgg gcgtgggaga aagctgctgg tcacaagggt gccttctcgc tgggacgggt 660

ctgcatgttc atccctttcc gacggccgct gcatgtagtc gtcggcagac ccatcagtgt 720
 caagcagcag cggtttgatg tcagcgagaa gtatgtcgag gagttgcagg gccagtatat 780
 tgatgagctg aatcggatct gggcggactg gaggaatgtg tttgaggagg atgcgagcgt 840
 gaagttcgag 850

<210> 22218
 <211> 672
 <212> DNA
 <213> Aspergillus nidulans

<400> 22218

atgggtgtcc tcgagaagct gtcccgcaag accggtgtca tcgtcgggtga tgacgttctc 60
 cgtctcttcg agtacgctca ggagcacaac ttcgctatcc ccgccattgt acgtgttctt 120
 gatcgcccaa ttgcttagat atcttgattc tgaccacagt acagaacgtc acctctctt 180
 ccaccgtcgt tgctgtctc gaggtgtctc gcgaccagaa ctgccccgtt atctctcagg 240
 tttcccaggg tgggtgctgt ttcttcgccg gcaaggtatg ttttaaaaac ttctgggaac 300
 cgagtccgat ctaactcgcg tagggcggtta gcaacgatgg ccaggccgct tccattgccg 360
 gtggtatcgc cgctgtcac tacatccgca gcattgcccc cagctacggc atccccgtcg 420
 ttctccacac cgaccactgc gccagaagc tctccccctg gctcgatggc ctctctgacg 480
 ccgacgaggc ttacttcaag cagcacggcg agccccctt ctcttccac atgattgac 540
 tgtctgagga gctgtcgac tacaacatcg acaccaccg taagtacctc aagcgtgctg 600
 ctcccatgaa gcagtggctc gagatggtaa gactgcttcg atcatgacc aaactgaatc 660
 ctccgctaac tg 672

<210> 22219
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
 <400> 22219

accatcgggt ctatcgcggc gaaaatcnta aatcaaacga actactcgcg gctagcgacc 60
 cgtccccgcy acgcaattgg ggccaggccc tgcccttccc cttctacagc atcattggct 120
 ctctaatagg gattttggtg actgctgcga cgcagaaccg cctaggcggc gaggcaatct 180

ggaatccgcc gaccctgttc gcctctatat tgcagaaaga tccctctccg gggacgcggg 240
 cggctgtctt ctccgcgggt ctggccctat ctgtttcgca actgggcacg aatctgcccc 300
 gaaatgcgct cccaggcggc ctggaccttg cctctgtatt tccaggttac atcaatatcc 360
 gtcggggcgc ctatatcttt gcgtcctca gcccctgggt taatccctgg cgtctcgta 420
 acacggcaac gaccttcttg actgttcttt cggggtatgg cgtcttcttg gtcctatga 480
 cgggtctcat ggcggcgcgt tatctagtag tctgtcgcca aaagggtaac attgatgac 540
 tatttccgtg gtgataaagc tagtatctac tggatatacag ctgggggttaa ctggcgcct 600
 ccagttgctg taagcctcca tccgtctaaa cgcttgatcc tcaattgaac actgactgg 660
 ttggtataca gtggattatt ggcgtagttc ccaccatgcc aggccttcgta gcgccgttaa 720
 cacgtccatc accgtttctg atgccgcgac cgagctgtac tacatcaact atctgtacgg 780
 attcttggtc agtgccgcgg ttcattgcatt ccttacttgg cttatccccg atcggaagct 840
 ccatgccttt 850

<210> 22220
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22220

taggtcaaag ccgagtatga agccgccgat aacctgagcg gctatgtgat ctctctctcc 60
 aacaagtccc ttatcacctc gattctctct gcgggtacct tcttcggtgc catcattgcc 120
 ggtgacctgg ccgattgggt cggccgtcga acaacgatca tcagcggatg tggaatcttc 180
 atgggttggt tcgccctgca gactgcctcc accactgttg ccttgctgggt tgcggccgt 240
 ttgattgctg gattcggtgt cgggtttgtc tctgccatcc tgattctgta catgtcggaa 300
 atcgcgcccc gcaagggtccg tgggtgccatt gtttcgggt accagttctg cgtcaccgtt 360
 ggtctgatgc tggcttcttg cgtggactac ggtaccgaga accgcaccga ttccggctcg 420
 taccgtattc caattggtct ccagctgtct tgggctatca tccttgctgt tgggtctctc 480
 ctcttccccg agtcgcctcg ttactatgtg cgcaaggcg atgtgtctag cgccgcaaaa 540
 gtgcttgctc gcgtccgtga ccaggacgtt gagtcggact atgtcaagga ggagcttgct 600
 gagatcgtcg ccaacaacga gtacgaaatg agccttatcc ctgagggtgg ttactttgcc 660

acttggttca actgcttacg cggaagtatt tgggtccccga acagcaacct gcgccgtacc 720
 atcctgggca cctcgcttca gatgatgcaa cagtacgtgc ttctctcggt cttgggttacc 780
 ctaaactgac atttcacagg tggactgtgt aacttcgctt tacttggact acttttcacc 840
 actatgtttc 850

<210> 22221
 <211> 714
 <212> DNA
 <213> Aspergillus nidulans

<400> 22221

cggtcttcaa tgctgacatc ccaagcccca cgcagactcc tcttacttcg gatctggctc 60
 taaagccgag atttatgcgc aggtcattca gcaagccaag ggccttgtga caggacagcg 120
 caactgggtc aggtacgtgg actgtagtta aaacaccctt cccttggact atctatatgg 180
 tcaagtcagg atattgatta gcattgtcag caacttctcc aatgtcgctt ccctcctctg 240
 gcacgcctac gccgcgcttc cggccccctc ctctccgtg aattgggctg gtttctacat 300
 ccgccaagat caattccctt ccaaagagac agctgaatcg acagaagccg ctctgttgaa 360
 agaaacgctc tggctcggtc ccttccaggg ccgtccagct tgccaggaga tccggtttgg 420
 tcgcggcgtg tgcggggcggt cggcgggcgaa gcgcgagacg gtcgttggtc ccgatgtgct 480
 ggagttcccc gggcacattg cttgtgatgc gagtagtcca agtgaaattg tgggtgccgat 540
 tctggcgggc ggcgaggtaa gttggttatt ccataccgtt gggaagggca ctgaccattg 600
 cagacggtcg cgattattga tatagactgc gccgagccgt cgggtttcga tgatgaggat 660
 aaggagtatc ttgaggaatt ggcagcgcta ctttctgaga gctgcgactg gtca 714

<210> 22222
 <211> 792
 <212> DNA
 <213> Aspergillus nidulans

<400> 22222

gcagtatgcc agaccactcg ctctacgggc cctggcccg cgtgcccattg tggcgcccaa 60
 gtttaccgtg gagaactacg tccgccagct cggcctgccg tccactttcg tttatgcggg 120
 catctacaat aacaacttta caagcttgcc ataccgctc ttccagatgg agctcatgcc 180

agacggcact ttcgagtggc atgcaccctt tgacccggac atcccgtgc cttggctaga 240
 tgcagagcat gacgtcggcc cggcgctgct gcagattttc aaagacgggc ctcagaagtg 300
 gaacggcat cggtaggttg ccgattgaat gggggatggg tgaaagaaaa cgaagattga 360
 gaacttgctg actggtgtag gattgcgctc acattcgaga cgctatctcc cgtacaagta 420
 tgcgcggcct tttcgcgcgc tctcaaccgc cgggtaacgt acgtccaggt cccaaggtc 480
 gagatcaaag tcaacattcc agtcgggtac cgggaacagc ttgaggccat cgaggtggtc 540
 ttcggtgagc acaaggtcc ttatttcct ctaccggaat tctcccgctc tgcagccgga 600
 tctcccaagg gattgggtcc agccaacggc aaggcgccg gggcggaat gatgcagggt 660
 cccggagggg taatctcaca gcgtgtcaca gacgagggcc ggaagctgtg gtcgggctgg 720
 cgagacatgg aggaatacgc gcgcgaggtc tttcctattg aggaagaagc caacgggctg 780
 gactggatgc tg 792

<210> 22223
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 22223

ttgacgtccc atggtgtcat tgagaatccc gacgacctg ttcaggctgc cagatttttg 60
 aggggaacca cacgactgtc aaagaaagtt cttggagaat tcatatcgaa acgatccaac 120
 gagggccttc tcaatgcatt tgtcgatctg cttgatttct ccggcaagtc ggtagttgat 180
 gggcttcgag atttacttgg tgcgttccga cttcccgcg agtcagcttt aattgagcgg 240
 attgttacta cattcagtga aaagtatatc gagaaggccc agccttctga ggttgctgac 300
 aaggactcgc tgtttgtcct gacttatgct attattatgc tgaacaccac tctttacaat 360
 cctaacaatga aagctcagag tcgaatgtct tgtgccgact tctcgaaaaa cctaaggggt 420
 ttgaatgcag gccaggactt tgcccccgag ttcttagaga agatttatga ttctattaaa 480
 caaaacgaaa tcatactacc agacgaacat gataataagc acgcattcga ttatgcgtgg 540
 agggagttgc tgtcaaagtc agcttccgcc ggagagttag tcgttggtca aaccaacgtc 600
 ttcgacgcag acatgttcgc ggctacctgg aaacctgtag tcgccacatt atcttacgtc 660
 ttcatgtctg cctcagatga tgcggcgtat tctcgctgg tcatgggatt tgaccaatgt 720

gctcaaatag ttgcccgcta tgggttgaca gaggcgttcg accgcatcat tttttccttg 780
 cctcctcagc actcttgcta ccgatatgcc ccttagcacg ctcttaatcc gaagtacagg 840
 ctgggaagaa 850

<210> 22224
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22224

gagggaaaca agtagctgcc cggcccgtca cgaaaggaaa acttcttcgt cctggcggtc 60
 caggcggtgg cccgtccaaa ctggcttcca gacctgtacc agagcgtcgg cctataccac 120
 agcccacgcc tcaaacagcc gggcgcaac cgacaccagc gtccagaccc gttcctcaac 180
 cagtggcagc cgttgacgca tcccattcac gtacttcac tactgcctcc gcaagggcac 240
 ccccccgcc tctctccgca ccacctgcag ctgcaggacc gaagaaagca aaggccctgt 300
 acgacttcag cagcgacaac aatggcatga tatcgattag cgcaggacaa attgtggaaa 360
 tcgtttccaa agaaggaaac ggtcagtata tcttttccca aattattgaa catcttccta 420
 acatttccca ggctggtggc tgtgcatgaa cctcgaaacc tcagcgcaag gctggacacc 480
 cgaagcatat ctcgaggagc aagttgcacc cagcctaata cccgcacctc cacctccacc 540
 tccagttgct ccccgagcaa gccagcacc agtgaatgga tccgccgag ttgctgcagc 600
 gaaagccaaa gggcgccctc cgccccccgc taaaaggccc aacatggcag gccgtaaaac 660
 agcacctgcg cctccacctg cccccgcga tagtgctgtc agcatgaatt cgcaaggaga 720
 ttcttctggt gcaagtggc gcggcaccac aagcagcgtt tccaatgcta gtcttgctgg 780
 tggctctgcc gaagccctga gggcacggca gagcgcgatg caggggaagc aggatgacga 840
 cgacgactgg 850

<210> 22225
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22225

caaccatccg cgatgcagca acctcccgat ctcccaccac ataccgcgc ctcttctgca 60

gcgggtggat gcactccatg acggacggac aagctctagc cagcgacctc gacgatctcg 120
 acccccacgg ccggccgata ttcacgcacg ccaaagacct gcattcagcg tgggtgaaca 180
 ctgcagccct aacggacctt ggaattgaca aatccacacc tacacctgct ggcgagaca 240
 tcgcacgcga taatgacggg aaccccaccg ggctactcag tgagtctgcc gctgtaacga 300
 tcgtctggcc gcacgttgcg cgggtcgcga cgacgaacga gaaaaaggaa tacgtgaagg 360
 atgcgattcg cgcgtataat gcagcagggg acacgggaat ggtggaaatg gcaacagatg 420
 agaatatctt cgagaccgcg cggcagttgc gagaacagga gccggagtca ttttcaatta 480
 ggctggctat gcattggctt attacgcccg ctgctagcga ggaagaagtg ctagcgagg 540
 tcgatcgagc aattgaattg catgagaagt acaacaaaga gacgagctca gatttccgga 600
 ttgcagggat caaagtcac tgtgatggg ttgttgatgc ctgtaccgcg gcgctgtag 660
 agccatatac ggctgggtta tcaaactcgc ctcgacagc ttcaccggca cccctctggg 720
 aagaaggtat cctccgcaa gtcgtccagc gcgccgacgg cgcctctc caagttgcct 780
 tgcacgcgat tggagacgct gcagttgcac tcgccatcaa cacgcttga accgtagagc 840
 cacgaccagg 850

<210> 22226
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22226

gaagacaacc aacagccgcc ggtgctctga cacgccacgg atattgggag tcttcaactgg 60
 acaaggtgcc cagtggacac agatgggatg ggagctagtc ggggcttctc cagtcgccc 120
 cgctgggctt gaagaaatgc aaaactctct gaatgacctc ccgaccaagt atcgcccatc 180
 cttttccttg actggatgaat tgtccaactc ggtgtccaag atgaaaagtg ccaccctatc 240
 ccagccactt tgtactgccc tccagatcat cattgtcaac tttctgaggg cgataggggt 300
 ctctttcacc tcagtaatcg gtcactctc gggcgagatt gctgctgcct atgcagcagg 360
 atacctcact gccacagacg caatccgtat tgcgtacttg cgaggattta tggcgtaag 420
 ggcggtggg agaaacagtc aaccaggtgc aatgctcgct gctggtgtat ctgcgcaaga 480
 agctgcagac atctgcgcca agtctaaagg tacaatcaca gttgctgcgg agaagcgccc 540

ttttagcgtg actttctctg gtgacgcaa tgctatacag tctactggaga aaaagttaaa 600
 agatgaaaat aaattctgcc gtatcctgca agttgacaca gcctaccatt ctcaccacat 660
 ggagccctgc tgcaggcctt acctggacgc gttagaggaa tgtaatatca gtgtaaagga 720
 tgccatcagt ggcataacat ggtattcgtc cgtacacccg ggtgattata tagattcgcg 780
 ttcgctgcgt ggtgcctatt ggatcgagaa tatggccatg cccgtactat tttcacaagc 840
 cgtggcacac 850

<210> 22227
 <211> 697
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22227
 ttcctgctcc tgatcctttc gccactatg cctggcaagg ctgcgctacc atcccatgtc 60
 atcaaattca ccaactgtcg tatcgtgaaa ggaaacgagc ttgttaacca ggatgtctgg 120
 atcgagtcga cgtccggtaa gatcctccgg gcccaggaag cattctatgg gctgcacctg 180
 tccccagatg aggtcatcga tctaggcgga cgtatcctcg ctccaggact catcgactgt 240
 cagttgaacg gtgctcaggg tttcgacttt tcgatcccg caggcttccaa agaggaatac 300
 gatgaaggat tgcgggtagt aaacaagggc ctgccagga ccgggggtgac ttcgtatctc 360
 cctacgttgg tcagctcaac tgcagaagta taccacaaag tccttccgtc actcggcccc 420
 gcaggatgca agcatcgccc agaggatggc gccgagtcgc ttggcgcgca cgtcgaaggc 480
 ccgttcttga gtcccggccg caatggaatc cataaaacgg atgtccttcg gtcagcaact 540
 acggtggagg acctggatga ttgttatggc cgcgagaacc tctacggccc gaacaagact 600
 attagactga taacggctgc gccgaagtcg gcaagatgat gtccaatatc ccgcacatcg 660
 tctccaacga catcatatac tcaatcggcc attcgga 697

<210> 22228
 <211> 360
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22228
 cttgtcgacg aattcagata aatgattgca gttcttttaa ccgatgcgga tggtagatta 60

tatagccatg cattattcaa tccaaaaatc attagccatt ctgttgaacg tacatattta 120
cagggtggtg aaggctgtct gtctgtagac cgcaagtagc ctggttatgt tcctcgttat 180
acaagaatta cagtaaaagc aacttctatt tacggagaag aagtaaaatt acgtttaaaa 240
ggtttaccag cattcgtatt ccaacacgag attgatcatt taaaaggcgt tatgttctat 300
gaccatatca ataaagaaaa ttcttttgcc gtcctgatg attccaaacc tttagagcga 360

<210> 22229
<211> 399
<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
<400> 22229

tccgtgctcc tgcggtcttc ttccggccct gcgttcttgg tctggccgcg gtggtctccn 60
cgteccccct ttgcgtcttc tegtgcgtgt cgctgtcgcc gtccgtccgg tctcgtccgg 120
cnccctcggt ctggtctgtg tcnctcttcg cctcgtcttc ctgccctggg cggcnctncc 180
gentcgtcgt tctggtggtc ccgccctgtc cctggtcttc tccgccggtc tgcgcgccgg 240
ggtegcgcc cttgcgccct cgteccctggc ggtccggctc cttgctcttc ctgcgcgccg 300
ctcctccgaa tgaatcggtg gttccgtctt ggcttctctg tcccccttcc ggcggctgtg 360
gctctcctgg ccggcgctcc ctgcgcgccg tccttcgct 399

<210> 22230
<211> 516
<212> DNA
<213> Aspergillus nidulans
<400> 22230

atgacttcca ttccggcgat gtccccaacg gacctcttct cctcaacct caccaacctc 60
gacctactga ccgagaacta cgatctgggc ttctacctga actatctcat gcgatggccg 120
tcgtctttta gcagcgtgaa ggaccgcagg gaaggaattg ccggatacag tatgctttca 180
ttttgccctt ttctctgttc tccattctt taatgatacc cctgtttcat tatccctac 240
cgaatcgagc cccgctaata cccgcaatcc agtaatgggc aaactcgaag agcaacaccc 300
ctccctcaaa gcctcagagc attacactcc ctggcatgga cacatcactg tcctaactgt 360

tgcgccggca tggcggagac ttgggcacgc gcgtcgactc accgagcgtc tggagcgggg 420
 ttccgatatc aacaatgcct ggtttgtgga tttgtatgtg cgggcaggga acaaggtcgc 480
 tgtggatatg tataagggca tgggggtgcgt cgagtt 516

<210> 22231
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22231

gaaacacagg aaccggggga tgaacgagac agacaggagc gaagagaccg agaagcacac 60
 ggcaaagggg acaaaagaga ccaacgagag agccaaggcc agcggcaagg aggaaggcca 120
 agcgaggaga cccggggcga agcagacagg gaatggacgg aaaaggcagg acggcgggaca 180
 gaaagaccaa gggaaaagac gggaggaacc ccaagggaaa ggcaaacgcc caaagaaggt 240
 tggagaacgc cgcccgaaca ggaaggaaaa agccaccggc gcgggaaaaa agggcaaaaca 300
 acacggcaac aagcgccgga caaaaaggag cccgccgaaa gccagaaggg aagccagaga 360
 acaaccaggc aggagaaaaag caggcgggaa ggggggaccc acccaaaaga acggagcaca 420
 ggccggggcaa acaagggaaa cccccaaca acaacgcaaa acggggagaa acaaccaggg 480
 aggaaaaaaa ccaaaagaag 500

<210> 22232
 <211> 464
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22232

gtcttcatga tgcataaaga gtcaaacagc gttgtgtcgc ttgccgatat taagacactt 60
 atcgattatg tctccgttgg tccccgattc agcaacagcg tcctacagac attgaaggtc 120
 ttgttcaaaa aacgcccccc aaagaaccga agactttcta tcttggctac cacaagtgag 180
 cgagcactca tgaaagagct gaacatttat aactcgttca actccgatat cgatattcca 240
 aatgtcacca gccatgaaga actgagacat gtcattgaaa aatctgaggt gtttgcgagc 300
 gagcaggtag cggaggcttt ggaacgcata gatcctctca agggagagac accatacagc 360
 atgacttttg gtgttgggat caagaaggtc ttcgatggga tcgagcttgc gaagaagacg 420

ccggaccagc tggatgaatca gttcgtgcgc ttcatacaaca gtgc

464

<210> 22233
<211> 634
<212> DNA
<213> Aspergillus nidulans

<400> 22233

aacaagaatc ggggcccgtt ggggtattctt gttgctgcgg gcgctgattt gcgtcacgta 60
gtgcactaca gcaagttatt gaggccaagg tatgttccca cggactcaaa taaggcgtgg 120
ttgcaaccac gctgccatcg tgggactaaa ctggcgcagt caggtatcct ttttgagatc 180
gggccatggg tgcaacgtcg actggaccga tcacatggac tcgactccgt tgctgctagc 240
agccgaacgg ggccatcttg atattgtatc tttcttgctg gaaaagggcg ctcagactaa 300
ccatacggac ttagagggca ggacggccct tttctgggcc tcgaaagggcg gccatatggg 360
tategtccgt gttctggtcg cacagggcgc cgatttgaac agggctgacg agtacggacg 420
gactcctatg ttggctgcag ttcagcacgg gcgcaccgag gtgggtccagt ttcttctgga 480
tgctgggtgcc gacaagaaaa agccctatat acaccgaaat gttttctaca gactattccg 540
aactaactcc ccacagggag gagttagcca gcattctcgg ctctctcttt cttttatggc 600
taatcactca acgatgtctt tccttccttc cttt 634

<210> 22234
<211> 496
<212> DNA
<213> Aspergillus nidulans

<400> 22234

ccatggcatg gctctcaccg tcttctcggc cctcgtgacg gcttcttccc tcacagaccc 60
tgtgtcgtgt ctcatcacat ctgttgcgtc acgatggggc ccgctgcact ttggcgcaac 120
agaatccgcc cagcgcgctt tggcagatat tgggacggag gccggaatcc ctgccttctt 180
agacgaagca aacagggtcg taaaagggtta ttgggtatg gccaccgctc ctataagagg 240
atagaccac gagtgcgctt tgtccagtca atccttcacg acctgccttc taccgtctc 300
ttgaaattag ccgaggccat tgagtgcgct gcacggcgg atgactattt tcgcagcagg 360
gggttatacc aaatgcggat ttttatggga actttgtctt tacggggatg tacgtttcct 420

tccttgattc tctcgtcttc ttcgcacatg ctacacttgt ctgggtctct ggttgactaa 480
ctacttcata agaggg 496

<210> 22235
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 22235

tccctccatt ggataattat cggatgatagt catcgcttcg ttgtagctag agaacccccga 60
cgttagatca cgtcttacac atgtatacag gtccttgagg gccattgagg cccgtctgcg 120
ccgtggcctt ctcacctgac gggcagacag tggcgtccgc ctccgaggac gagaccatcc 180
ggctctggga cgcggcctcc ggtgctgaga agcataaaca tcatcttgat gtagtagtaa 240
ctactttgtc attctcagat aacagctgcc tcaatactga ccgcggttca ctttctttga 300
accaccaagc ttgcaacttc tccactgaac agccaaagaa tgaaatattc atacatgaga 360
aatgggtgac tcgcagcggg cagcgttga tctggcttcc accagacttt caggcgacat 420
gtgcggttac cagtggcaat aaagtgattc ttggccatag atcaggcggc ttgacatttt 480
tgtggttaaa ttaacaaatc 500

<210> 22236
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22236

tactccgatg gagcaaggag cgccttttac ctgaccaggg ttactgttcc taccgagcga 60
cgggttaaac ccgacatgga gagtcgtat cctcgaaacg ccgaagaact tcgctcgtat 120
tatgaagcaa cgcaactgaa gcgtaaaatg gcattggaat acaactatcc aatctcagca 180
gaggctgccg aggcgacgaa aaactttcaa gaagccgttc actccgaaaa aagccctgcc 240
ctttccagga gatcgccgct cactgtcagc ttctctacgc aagtcaaadc ggagtgatc 300
agacagtatc agctgctgtg gggtgataaa gtcacatttc tcatccctca gggtttgaac 360
ttcgtccaag ctctcattac cgtttcttta ttctacaatg ctcccaaaaa ctcttcgggg 420
ctgcccttca aaagcgggtc tctcttcttc gccatattgt tgaattcgct gctctccatg 480

agcgagggtga ccaactcctt tgcagcacgt cccgttttag caaagcaccg tggcttcgct 540
 ctcaaccatc ctgccgcctt ttgcttcgct cagatcgctg ccgatgtacc acttatcctc 600
 acgcagggtca cgctgttcgc tctgccagtc tactggatga ctggtctcaa ggctacaggt 660
 gaagctttca tgatttattg gatcaccaca atctccgtga caatgtgtat gacggccctg 720
 tttcgcgccca taggcgcgcg cttctcgagc tttgatgccg cctccaaagt atccggtata 780
 cataatgtcg gcactcatca tgtatacagg cttcttgctt ccgaagcgca gcactgcac 840
 agtggtttcc 850

<210> 22237
 <211> 544
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22237
 acgcggctgg ctcggtatga cctggctcta ccctgcagag atcgtgcctc tgaagatccg 60
 tgctccggct aacgctttgt ctacctctc aaactggatc ttcaacttca tggctgcat 120
 gattaccctt gtcgcgtttg acaacatcgg ctaccagacc tacatcatct ttgctgcat 180
 gtaagtttct gattccctcc tcttagagcc tcgatactaa tgcgatgcag caacgccttc 240
 atcttccccg taacatactt cttctacca gaaaccgcct accgttcgct cgaagagatg 300
 gaccgcatct tccgcaagac aaagagcatt ttctcccttg tccgaactgc caaggaagag 360
 ccgcacatgt atggcaagca tggtgagctc atgcgccagc tttctgatgt cgaagacgag 420
 gcggtgcgcc gcgccagcta cctcgagcac cagccggca agaaagaaca tgagtctagc 480
 gacgaaacga gtaccgagaa ggtggataac gtggagcatg tgaaataagt taaagtttga 540
 ctct 544

<210> 22238
 <211> 507
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22238
 aagtctgagc agaaacatct cgataaatgg accaacgaag aatggcaaac gaaagagggc 60
 tctggcacag cgaagcagga tgacgggacg cggaagaggt atttgccgaa gaaggcgtgg 120

gaagagctag atgaaagga gaaaaaggcg acggaacaga aaaagctgga agggtaaag 180
gcaggaaagc agttttagc gaatactgga gaggcgaaga ggaagagggg agaggtaagc 240
aggaaggag agaagaaagg gagcaggaac gggggtagg ataagaaagg gggtcaggt 300
gataggaaga aagagaaaga aggaagatg aagcaggagc cggaggagaa tggggagaat 360
ggggagaatg aggaagaaga ggttgagaat tcgaaaacac cccgaagatt aaaaagccc 420
tccggaagtc ttagatggcg agaatgaaga aaaaggagac aacagcggta gtgaagacga 480
ggacgaggaa caccaccggc gggctta 507

<210> 22239
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 22239
ccagtatggc cttgacgatg gcgacgttgc cccgatgtgt gcctctcaca gcagcgagca 60
tgtacatgtc gcgcggggcga cagacatgct gcgcaaaatc gatgcccgcg agcaagacct 120
gcaatgcggg gccacgcac ctctctcgga aacggtaaat gcgggctgga tcaaagccag 180
cctggtaccc tccgtatac acagcaactg ctctggcaag cagccggaa tgatcgggtg 240
cgctaaggcc ctgaccacgc ggagcgacgg gtaccatctc cccggacatc cgatgcagg 300
cagggttcag caggtcttct ccgagctctc aggcctagac gcgcaagata tcgaatgggg 360
cattgacggg tgcaatttgc ctgctccggc gctcccgtc atgaatcttg cgcgcgtcta 420
ctgcggtctc gcagcgtccg ctgagaaggc cgccgtgtcc agcgcggctc cagcaccaag 480
gagccaacac ttgtcccgca tcttcggcgc aatggctcag aaccgcggc tggttgccgg 540
tcaaggccgg ttctgcacag ttcttatgga ggcatacaag ggcgttctcg tcggtaagct 600
cggagcagat ggggtctacg gcgtttctgt gcgggtgtca gaccaaaca ttgcgcttgg 660
agcggagggc gcgattggca tcgcagtga ggtggaggac ggtaatatg ggatactata 720
ttcggcggtg gtggagatat tgcagcagct tggattggg acgacggcaa cctgggaggt 780
tctggaaggg tttcatcgcc caaggctcat caacacagcc ggtatgggtga ccgggtcgct 840
tcatttttca 850

<210> 22240

<211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 22240

tctctcaagc aaccaaagct ttatacgaaa gagaacttgc caagggagtc agcgagaacg 60
 aggagatttt caccggtgaa ggtcgggtca gcacgggtgc acaaccccaa tgggcaagca 120
 agtaccggcc gtgcaaaccg cgatacttta accgcgtcca gatgggatat gaatggaaca 180
 agtataatca aaccattac gaccacgata atcctccgcc gaaggttgtt cagggataca 240
 aatttaacat cttctattcc gacctattg ataaaacgaa agctcccact tattggatag 300
 aacgagagca tgtaatgaaa cgggtgtcagc ttttgtctg gtgcatagag gaagatacct 360
 gtcttattac gtaaatgtg tcccgctctt taagactttc ttttcccatt gcttttttat 420
 tgtatttcct attaaacttt gtttttttta atctcattta atgtttattt tttccctttt 480
 tcattcattt attctcatct 500

<210> 22241
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22241

tcctccccga tacgaaggag gtaggtgctc gtcgacctgg taatcagaac gggataactga 60
 tcgtaaaagg gatttattct cggtcgagag acgcctgcag atgcgccgga ggctggcaca 120
 ttccacactg gacctaacca gtggcccaag accctgccgg acgaagagtt ccgagttccc 180
 ataatgagat accatgcaaa gatgatcgaa atgggtcaaag tgattctcaa aatactggcc 240
 ctcgggcttc cggcagaatg gaattgtcca tcggatgtgt ttgatgagct gaccattaat 300
 ccacggcgcc cactgcgtct gctgtactat gctccccagc ctgtcaaaca tgagaaccaa 360
 tttggcggta tggcttcaat taatttcttt acaccgctg tatgctgtga aaactgatca 420
 gagatccagt ggggtgcccact actgactttg gcaatgtctc ggtgcttctc caggaagaag 480
 actcagaggg gctggaagtc ttctatccgc caactcaaac ctgggttccc gtcccagcca 540
 aaccacattc ctatgtgatc aacatggggg atatgatgca gaaatggacc gcaggatact 600
 acagaagcgc gctccacagg gtcgtcaata gcaatacaaa acctcggtac agcgcgccgt 660

tcttcatgaa tgggaatctg gatgtcaagt gctatgccct ggacggatct ggagaagtaa 720
ctaccattgg agaacatatt cgcaagcggc tgatggagac tatcggcggc gaagagggga 780
agaaactggg tctctgaagg gaatggaata ggtccttaag actacgagtt gggatctaac 840
ctaggataag 850

<210> 22242
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 22242
tctggcggga gaactgctga agaaggctga ggaattgctg cgcttgggtc tgaagacgag 60
cgatatagtt cagggatagc agaaggcaca aaactttgcg cttaatTTtg ttagaagggtg 120
ggttcttgat ctttcaataa aatgtccctg aatgtccccg tcttagaggc catatctaac 180
tgaaggatgc aatagatctt gaagtcgacg gtttgcagga ttacgctcc cagactgaac 240
tactaaggc cctacgcacg gtggtcgcca gtaagcagtc cgtaccgag cagctcctcg 300
cttctcttgt cgccgaggct gtctgtccg tgctgccaa aaatcccgtc aacttcaacg 360
tcgataatgt ccgctgtgtg aagatcatgg gaggaagctt ggaacagtct cgtgtgatta 420
agggtatggt gtttggccgc gagcccgaag gttcaatcaa aaaagccac aaggccaagg 480
ttggagtctt cagctgcccc atcgatatct ccagaccga aaccaagggt acggtcctgc 540
tcaagaacgc gcaggatatg cttgacttca ctaagggtga ggaggagcgc cttgaagccg 600
ctattaaaga gctctacgac tccggtttgc gtgtcgtcgt tgcaggcgct caagtcggcg 660
acctggccct ccactacctc aaccgcttca acatcctcgt gatcaagatt ctctccaagt 720
tcgagctccg ccgctgtgc cgcgttggtg gcgccactcc cctcgcccgc ctcggtgccc 780
caatgcctga cgaaatgggc tccgttgacg ttgtcgaaac taccgagatt ggaggcgacc 840
gcgtcactgt 850

<210> 22243
<211> 588
<212> DNA
<213> *Aspergillus nidulans*

<223> unsure at all n locations
<400> 22243

aaaccacggg ggaacnagac ccagaaccac gcacccggcg gacgaacaat attacccaac 60
 accacaagcc acaacacgag gcagagcagc aagagccagg caggccaagc acacgcgcgc 120
 anaaggaccg aaacaacgcc acaacagcac cagcaccggc agaaagaacg cacacgcaaa 180
 ccagcacagg gccgacggca cgggcgaagg cccagccgg caagacgccg acgccgcaag 240
 gccaaccaac cgcagccaaa gcaccaacca acccacagaa gacaaacccg ccaaaaaaca 300
 gcaaagcaaa caacggccga gacgacaaga cacagaaaga aaaccatccg ccaacaaaac 360
 aagaaacagc aaacaaaaag gacaacgacg accccgagac aagcgcccca agggcccacg 420
 aaccagggca aacaaagcaa aaacccaaaa cccacccac ccccgagcg ggcacaaaaa 480
 accaaccctt gacaaaccaa cctacaccgc cccgaacgca aggaaaaaac acggcaaggc 540
 cgagcagacc ggaccaccaa ccagagacca cccaaagagc accaaacc 588

<210> 22244
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22244

ccttcgcca tgccttcggt tatagccctc acgagataat cggcatcgtc gttgaccgac 60
 cacttctagc ccctaagtga gcgcccgcga acgaagcgcc caaggagggtg cgcattctata 120
 accacaacga atcgccgcag gtcccgacg caccagagta tgtcttcttc tacgcgaatc 180
 gagcgcccaa gaaggagggt gagacgcca tctcatcgag tctagagctg ttccatcgag 240
 cgcgcgctga gatacccgag tttattgacc tgctcgtgga gaaggggggtc aagagttcgg 300
 ttacgtacac ggttgagagg cagtacgtgg gcgggtcgac gctgagacag gcgttcggga 360
 aggagttcgt cgatgaagac gacgaacagg caaaaagaag gaaggtcgag gcgcagattg 420
 ctcggtatgg acgcgggaag tatacgacgt ttgaatggag cgacggtgca gacggccaaa 480
 ggcaagtgtt aaccctaact caccacctcc ctgtgatccg cacacagcct ggcaccaacc 540
 tccccacgct cttcactggg ctagcagcgt actacaagaa tagccttgag gcgaaaaagg 600
 gaagcggcgc tggtcggaag aacgtcgccg ttcagacatt cggcgacggg actccgatcc 660
 cggaggagta cctggcgacg ttggcgcgga tcacggatga gatccgcgtc ctgcatcggt 720
 ggcaggacgg ggacgtgctg gtctttgata atgtcattgc gcagcatggc agagagcctt 780

gggagggcga gcagggggac cgcgtggtgc tggcgagtct gtttgacggg gagactgtgc 840
 cggggcctta 850

<210> 22245
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22245

ctcggttgat tgtactcttc ccccgctcta attctcgtct ccctgccatt tgggattcag 60
 ggaatcatat acaggtgctg acgaatgtct gatgaataga cacgctctcg ctgctcattc 120
 tcgcctgcat ctcgattgcg cgcgacggca actggtctgc cagcaacggg ataactctacg 180
 gcctctacgc cggcctgata ctcgtccact ccgtcgccac gatcgtcacg agcaacatca 240
 tgccgcgcat ccagaccgcc tgcactttca tcaacgttgg cctcataatc gcgaccgtgg 300
 tcgcattgcc cgtcggcaag gtcactcgcg gcgggaccct gaattccggc tcttttgtct 360
 tcggacacat cgacaatctc tccaactggc cgacgggctg gaacttcgtc ctggcggttca 420
 tgtcgcccat ctgggcgatt ggcttcttcg attcctgcgt gcatatgagc gaggaggcga 480
 gggatgcgcc caaagccgtg ccccgcgga tctcttcag cgcagggagt gcgtgcttgt 540
 taggctttct ggtactgagt gtcttgcccg cggtcatgga tccggatgtc gccaaaacgg 600
 cggggactgt ctatgggcag ccgatggcac aggtacactt ccttttcagt agtggttggg 660
 agatgacaag tgtgctgatg atgggcagat ctactatgat tctctcggca aacgtggcgc 720
 gctaggcttc atggccgtgc tgatccttat ccagttcttg atcgggctga gcttggtacg 780
 tcgtgcgctg ctgcttttcc aagccccata tgccccatg tcgtgcctaa caagtogaat 840
 acagatcgtg 850

<210> 22246
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22246

ggaatagtgg tttcatcggg ttcccgccg tcggaaagag tacattgatg agcagggttaa 60
 cgggccaaca ttccgaagg atgcttaacg aagacaggag ccgtgtgacg gacactgacg 120

cattttttgca acagcggcgg cgtacgagtt tacgacgttg accaccgttc cgggacaagt 180
actatacaac ggcgcgaaga ttcaaattct tgatcttccc ggtatcattc aaggtgccaa 240
agatggtaaa ggtcgtgggc ggcaggttat tcgtgtcgcc aagacatgcc atctcatttt 300
cattgtttctc gacgttaata agcctctggt cgacaagaag gtgattgaaa atgaattgga 360
gggattcggga atcagaatca acaagcagcc ccccaacatt atgttcaaga agaaggacaa 420
gggtgggtata tcgattacga gcaactgtgcc tctcactcat attgataacg atgtaagtcg 480
ttaagagacc gggtttcaatt gttgtgacgg ttattaacac ttccgttttc gaacttaaca 540
ggaaatcaaa gccgtcatga gcgaatacaa gatttcctct gcggatatct cgattcgggtg 600
cgacgcgaca attgatgacc tcacgacgt gctggaggcc aaaagtcgcg catatattcc 660
cgttgtctac gctcttaaca aaatcgatgc cgtcactatc gaggaactcg acctgctgta 720
cagtattccc aacgccgtcc ctatcagttc agagcacggc tggaatatcg acgagctatt 780
ggacatgatg tgggagaagc tcaacctccg acgaatctac acgaaaccga agggcaaggc 840
ccctaactat 850

<210> 22247
<211> 612
<212> DNA
<213> *Aspergillus nidulans*

<400> 22247

atgggttggg tttgggcaga ttgcgagccg caacttccgg cgcgcaatca ccagcatcc 60
tctgatgcat ctctccggc aagtaaaacg aacagcagag agattttcaa gtgctgactg 120
ttgatgatca tagccagcat gtcccatgca tgcatctcct cccaaatccg agacttcaag 180
cgcttgtccc gtgcgatcgt cggattcgcc cttcttcgta cctccgaaat cttctgctca 240
accacctact gcgcctgata caaaacagtc gaccctgtcc aagcttaacc cgttgaacta 300
catgtttgcy tctctctcgc aagagcgcgc tccaaatcaa accgtggacc taggtgtgga 360
acggaaagtc tcgtctatgc ccagaggtga ttcagaaggg aactgggagt atccctcccc 420
acagcagatg tataataata tgctgcgaaa agggatcag acacccacac ggatgcagta 480
gcggccatgg ttgcagccca taacttttta aaagaccccc cttggagtga gtgtgtcgat 540
tggaggagga tcttttcgaa aggttgaggg aatgcatatg aaaagtgcc ctggggtagc 600

agaaaaaccc ta

612

<210> 22248
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 22248

aaagcggccc gaagagactg caaaagaaat tccaagatgc agttgagaaa gttgctcgtg 60
accttcactc gctctataaa gaaaagcatg agacgaaggt tgcgcctctc aagaaaagct 120
acgaagcacg ctgggagaaa cgattgagag aagccgagaa gaagctcaaa gctgcaaattg 180
acgaatgcga gcaactcaaa gctgagcgag atgcggcgct gcaggagtcc gcacgccctg 240
atgctagcat gatattctgt gagaacgaac aacatgaagc agcgaagcac gtcttcgagg 300
cgcaaattcg ggggtcttcag caagagataa ccattctcaa gagcaacagc gaacagctgc 360
gtgccgagct caaggcagaa cgagcggaga agggcgatct tgttgctctt gtggaggagt 420
ggttgtcaat gcagaatcaa cagcccgcgc catctccaca agccaaaagt catgagggtga 480
cgccggagcc tgttcccaac 500

<210> 22249
<211> 614
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 22249

acacaacacg agcaggatga actggctggt gactgcaaaa ctccgctaac attcggtcgt 60
cctccgcagg cttgcgacta gcgggcagct taaggagcgg gtacaacttg gggtcgtcaa 120
gcagaaattt ctcaaggaga tacattccct tgtcacgatt atgctcgggc cgcctcctag 180
ccctgatcga gagtttgtgt ggcagtacaa cgacgcggat ggaaaagnna aggagattcg 240
gcagacgccg ctggagtttg ggcggcaggg tttctcacag tcaacacgca caagggctctc 300
cccaagtcgc ttatacagtc ttgtcaacga cccaggaac gaatattatc ggctactgac 360
cgtggaaaag cttggcaatg ttgttgaggg caagccgctg acctatgtta atgtcgaaat 420
gaaggtggga cagtttagtc tataaccctt tgcgtcacgc atctagctga cttgttcagg 480

ccctcaaaaa agcggtcatt gccatgctca aagctggcca ccccgttttc ttcgttgcga 540
 cgtggtgaaa tctctgacag gtcagcgtgt catggactct gagcaataga cctactctcg 600
 gcttaatgta cgct 614

<210> 22250
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 22250

tcgcgcccac gcattctcgt gcccaaaaac tacaacagct tcgctaaacg cgccttttca 60
 tcatcccccta ccgttttctt tcacctctca gccgcaaaaa tgggtgcctc tgaacacgtc 120
 cccccatta cctcgtaggt ctctcattga aaaaaccca tttgccacat caaatcaacg 180
 ataactaacg tcattgtgac tcacagtaag gccgaattcc aggagaaggc cctgaacgcc 240
 aagggcttcg tcgtcgtcga ctgcttcgcg acatgggtgcg gtccctgcaa ggccattgcg 300
 cccaccgttg agaaattcgc ccagacctac accgacgctt cattctacca gattgatggt 360
 gacgagctct ccgaggttgc cgctgagctc ggtattcgcg ccatgcctac tttccttctg 420
 ttaaggatgg ccagaagggt agcgatgtgg ttggtgcaa ccccggtgcg ctcgaggccg 480
 gtatcaaggc tctgcttgct 500

<210> 22251
 <211> 708
 <212> DNA
 <213> Aspergillus nidulans

<400> 22251

ccgttgcgca gacagtcaaa actatctcca acccagctcg aagagctcca aaaggcgacg 60
 catttcgata agaaagaact gcaacaatgg tataaaggta cttttggctc tggagcgtgg 120
 aaatattgct cgaaatcaat tttatgtgct cgttgagaga ctgctgctga catacgtcat 180
 atcaggattt ctgaaggact gcccgctccg gcaattgaca aaggaggagt tccaggatat 240
 ctaccgaaaa ttctttccgt ttggtgatcc ctcgctcattt gcgaattatg ttttccgggt 300
 ttctgattca gataatagcg gcatgatcga tttcaaagag ttcatatgcg ccctgtcggc 360
 cacctcacgt gggagaatgg aggacaaatt ggactgggct ttccagctct acgacattga 420

tggcgatgga aagattacgt acgatgagat gctggccatt gtcgaggcga ttacaagat 480
 ggtgcgttca cccctgaatc cgcagggcg tttgctgacg tgtgattcta ggtcggctca 540
 atggtgaagc tcccggagga cgaggacaca ccggagaaac gagtgcgcaa gatctttcgc 600
 atgatggaca aggatgagaa cggcagcctc gatatggaag agttcaaaga agggagcaag 660
 cgtgacgaaa caatcgtcag cgcattatcg ctatacgccg gcctggta 708

<210> 22252
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22252

caaggaggac ctctctctca tgaagaggca caacatcaat tcggtccggt gctgccacta 60
 cccatccacc ccacagctct tctccatgtg tgacgagctg gggctgtggg tcatggacga 120
 agcagacctt gagtgccatg ggttctacga tgccgtggcc cggccgctcg atataccgga 180
 aagcatggac tacgaggaac ggaagaaact cacattcgcg caagcggccg agttcacgtc 240
 caataacccc gaatggaaag cagcgtatct ggaccgtgcg gagcagatgg tagcaaggga 300
 caggaactat gcctccgttg tcatttggag tctggggaac gaggcctttt acggggccaa 360
 ccacgcggcc atgtaccgct tcataaagga agaagacccg acccgtcctg tgcattacga 420
 gggggatatg gaggccaaga cggcggatat gtactcgttc atgtatcctt ctgttgatcg 480
 gatcactagg ctcgcgacgg aagaagggga tgcattcacc aagccgatcg ttctctgcca 540
 gtacggacac gcgatgggga acgcaccccg cggcctggcc gagtacatga atgcgttcag 600
 gacctatcg cggctgcagg gaggtggat ctgggagtgg gcaaacacgg gctctggctg 660
 gaggagaagg ggttctacgc gtacgggggt gacttcggcg accagcgga cgacgggagt 720
 tttgtgctgg atggcttgct ttacagcaac cataccccta cgccggggct agtcgagctg 780
 agaaaggcgt acgagccgat ccatgcgtgg tatgaagatg gtagaacagg ctgcagaacc 840
 ggtttgattt 850

<210> 22253
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22253

aaagatgctt tactactcct actagatata aaaggggtat ttaatactgt aatatactaa 60
cagctccttt cttacttata cctgcaagaa tagtataaag gcttactcta gctacttaag 120
gactggctta ctagctgctc tgtatctgtt catattaaag aaggcactgc tatagtacta 180
attaaaggca gactcctcta gagatcttct ctatccctaa tactcttcct actatatata 240
gcaagaataa tctctatctt agagggctcc ttctgctatg cagataatat aggtatatta 300
ttaactagga atacctaga agagagctta caataactag tagaggccta taagtaaatt 360
actactctag ggacagagac aggcctccct ttcttaataa agaaaataga gatataatac 420
ttctctagaa agctgtagca gtatctccct atagttaccc tacctagtat aaggagatt 480
ataccatccc tatatatatt ttggtttagga gttcttctag atacaaagct tactttttaa 540
gcctatatta atttagtctt tagctatagg aaataacttg cctagtacct aaagagactt 600
agtaatacct agcatggctg cccagtggcc tctatatagg cagtagttat atagtatatt 660
cttttaacag ctctgtacag ggcagaagtc ttctatacag gcaaataata aaaagaggta 720
gttaacttcc tactttctct cttctgcata gcagccctgg ctattatccc agcctacaag 780
actaccctct actatagtac tcctctacaa agcagaccct actagatcta gaagctctac 840
ttaacaagaa 850

<210> 22254

<211> 574

<212> DNA

<213> *Aspergillus nidulans*

<223> unsure at all n locations

<400> 22254

cggggatctc tctgtggatg gagaggcagc atataagctt acnctngtg tggagctctt 60
tgctgcgccc aaggctatct ttggtgatgc tgatgtacat gtcgagggtg gcccgtagt 120
ggctcggact acacggatgc gcgtcaattt cctccaccag aaaatgctat cagaaatcac 180
cagcacgctg caggatgcta tctataagga tctggatgtg atcagtgaga cactgcttaa 240
tcatatgacc tctggcgctg aaaagggcaa attcctgctg gaacgtgcta ccgttcatgt 300
ccaccacggc ttcgacgcta aggctagagc ggaccttgaa cgggctgctg cggagcggaa 360
gttcgagttt gctttgactg gtagattggg aaagcgaacc aagtttcaac aaagagacat 420

cagtcagctt gtcattcttag cgaagagtgc tgaagatcca agcaataaccg atgggggttga 480
 aaacctcggaaggaccaaag acaatgcagc tgcaccgaca aatctggatc tcaacgatga 540
 tacccttctg gaggcaattt ccttcactaa acca 574

<210> 22255
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22255

atcagtcacc agttactacg atctaaacga ttctcccagg acgagatcgc cgtgatagac 60
 ccgtcagcct ggcaccacta tcaaccgggt tggacattag tcgggggagg tctcaaagca 120
 aaagacagac tgcggcgctcc actgcaggat ctgatcagcc cgcgcttgaa gttttatcgc 180
 catacagtaa acacgttttg ccctgacagc aacatgatca tgcttgacga tggctgtcgg 240
 atcgcatacg aacatcttgt ggttggttccg ggcacgcaga tcgattatgg aagcatcaga 300
 ggcttcccc aggcctctgga aaacctctct gcacctgtct catctattta tgggtatgag 360
 ttctgcgaca aggcattcaa gacgatcgag aacctcaaaa aaggcacggc cattttcacc 420
 caaccacag gcatcgtcaa atgcgccggc gtcctcaaa agatcatgtg gctggcacta 480
 gaccactggc aaaaaacagg ccggtatacc tacagaccag gcaccggcgc cgcaacagcg 540
 gcagtagaag aggattcgcc aatcaagatc aaattcgcaa ctggtctggc aagtctattc 600
 ggcgtgcca agtacagtgc tgtgctggag cagctgcgct gccagagagg cgtcgagggc 660
 tccttcagc acgacctcgt tgctattgag ggtaaccaag ccgtcttcaa tgttgccctt 720
 ccacatccag agggagatgc aggtaggaac ggaacggga gtgggagcgg gacagttgcg 780
 gcctcgacga cgcggaaggt acagattgac ctgctgcatg tcgtgccaa gatggggccg 840
 tacgccttta 850

<210> 22256
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22256

cttgagcttc tggatcctga gcagaactcg tcgtttctgg atcactacat ggatgtacct 60

gtcgaccttt cgaaagttct gtttgtttgc actgccaatg tcaactgacac gatacctcgg 120
 ccgttactag accgcatgga gcttattgag ctatctggct atgttgcgga cgagaaaatg 180
 gccatcgctc aaaagtatct tgcgcccgt gccagagaac taactggcct caaaaatgtg 240
 gacgttactc ttaccgagga agccattgaa gagcttatca agtcgtactg tcgggaaagc 300
 ggtgtgcgaa acttgaagaa gcagattgaa aaagtgtacc ggaaggcggc cttcaagatc 360
 gtttcggatc ttggggaaga cgtattagcg gaggacaagg ctctcacagc cgaggggaag 420
 gctgcgcaag aggagtcgga gaaggagaca ggccccattg aatcaacgag cgaacaggag 480
 aaagccacaa ctgaacaccc acgggtgtga ctgaatgtac ccgatagtgt acacctcagt 540
 attgctaagg acagcttgac tgattacgtt ggcccgacta tcttcaccac cgaccgcctg 600
 tatgacacct ttccgacagg tgtcaccatg ggtctggctt ggaccagcat gggaggtgcg 660
 gctctctacg cagagtccat cttgaaaaat gcatcgacac acaagtcaca acctggtctt 720
 gacatcaccc gcaatctgca gaacgtgatg aaggagtga ctcaaattgc ctactcgttt 780
 gtgaagtcgg cgatggcgaa gcagttcccg gagaatagat tctctgaaaa ggcaaagctg 840
 cacatgcact 850

<210> 22257
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22257

cttccatgca gggacaccac ccgcagtctt tcgtgccgt gccgctcgc agatttccaa 60
 ttacagcaca gctccttca tcgacaacga aatcacctca atcgtccctg taaacaacac 120
 gaacctgacg actttcttcc gcgcaacgga cagcacaggc gccgagtaca cggctcgcaa 180
 agtcgtgctc gctacgggcg tcgtcgatat cctgccctcg actcccggtc tgatcgaggg 240
 tttcggaaag ggcattctt ggtgtccctg gtgtgacgga tacgagcacc gcgaccagcc 300
 ttttgggata ctcggaactc tcccgcata cgtgtccagc gtacttgaga tctcgacact 360
 gaatagcgat attattgcgt ttgtgaatgg ctcgtaacac gatgagtatg tctcggctct 420
 ggaggaagac taccgccact ggcaggcaca gatggccgcg tacaatgtct cgatcgataa 480
 cagaacaatc acctccttcg agcgcatgca agacgggtgt gagaaccgga atgacgttgg 540

ccagcaattc gatattcttc gtgtgcattt cacagagggc gagcccgttg tgcggaacgc 600
 attcctgacg aactttgaga cggcgcagcg gtcgagtctt ccctatgata ttgggctggg 660
 gatgaaggat ggaaaaatcg atacgagtat caaccccgcc atgaggacta gtcgtgcggg 720
 tgtttttgct gtcggcgatg cgaattccga tgggagcacg aatgtgccgc atgctatgtt 780
 tagtgggaag cgtgcagctg tctttggaca tggatattat tttccctat ctgtgtttac 840
 tgaagatgga 850

<210> 22258
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22258

gatgtgtacg agtcggcgcc gctagccgcg acctttctcc ccaaagcttc tatatccgag 60
 cctgggtgct cgacatctgc tgcgtccgcc gcatctgtga ccgaggccga tgggagtgcg 120
 gacgcaacca gcgctgggcg gatattgctt caacctcaa cgacagagga gattgccaga 180
 tactttgccc tgattcagcc actgaaatac tctcagccgc atcaaccgat tccgtcaccg 240
 ttttctctc cgctcaacgg tcttacactt actgcctata atgccggtca caccgtgggt 300
 ggaacaatat ggcatatcca gcatggcatg gaatctattg ttacgctgt cgattggaac 360
 caagctcgag aaagcgtcgt tgcaggtgct gcctggttcg gaggatctgg tgcgagtggg 420
 acggaagtca ttgagcaact gcgaagccta cagcattgat ctgtagtact cgcgagggtg 480
 acaaattcgc tcttcctggc ggacggaaga agcgcgatga gatactatta gatatgattc 540
 ggagcacttt ggtcaaaggc ggcaccgtgc tgattccaac ggacacaagt gcgcgggtgc 600
 ttgagctggc atatgctta gagcatgcct ggcgcgacgc tgctagggac acccaagatg 660
 atgttctgaa acggggtgga ctatacttag ctggtagaaa ggtcaacaca actatgaggg 720
 ttgcgagaag tatgttgaa tggatggatg agagtattgt gcgcgaattt gaggcagctg 780
 aagctgcaga tactgctggc cagaacaatg acggccagcg ttccgaccaa cgccagggca 840
 agacagataa 850

<210> 22259
 <211> 850

<212> DNA
 <213> Aspergillus nidulans
 <400> 22259

```

gcttactgtc ggtagctggt cgcttatcgc gtttttctcg gttgaatgga aagtggctgc   60
ccttccaatg cttccaggta agggctcttc ccgtccgccg taggctgagc tgacggctgc   120
agtgggttctt ttcagaaata aggtcatctg cgcttggttc ctccagacct tccttctggg   180
agctgtccac caagcgtacc tctattacct gcctctgtat tatcaaacg ctccgcgagt   240
gagtccgatt gtctctgcgg ctctgacatg ccccttgatg gtgtgccatt cgctcacctc   300
catcaccacc ggtcagtaca tttcgcgtcg caagcgatac ggcgagctga tttggcttgg   360
gttcggggcta tggacactgt aagtctgac cgtcacccat accttctgcc cctgctaagc   420
ctgctaacgg tggtaggcctc atgattaggt tcgacagatc aaccagcccg gctgtcattg   480
ccgtaactgt tggcattgct ggaatcggga ttggaagcac attccagcct actatgatag   540
catgccaggc gcaactgtaca aaatcacagc gtgcggtagt catatctgac cgaaacttct   600
tccgctgtct tggcggggcc tgcggactcg ctgtctctgc tgctgtcctc caagctgtgc   660
ttcgatecga ccttccggag gcatacaaaa gccttgcgca ttcaacatac tcaattccat   720
ccagagagac tatctccgac gcagaatgga gtaccattat cgatgcctac gcggccgcgt   780
cccgggcggt attcactctg caagtcccat taataggtgc ctgttttctg ttgtgcgttt   840
tcgttcgtga                                     850
  
```

<210> 22260
 <211> 579
 <212> DNA
 <213> Aspergillus nidulans

<400> 22260

```

accctcgccc ttgtcgcaaa aagtctaagc atgctttaag cttgagacct ctgtgtcctt   60
ggttttggca gtgagtacca cttccgtgtc gccacgatt ttggcaagcc cttttcatct   120
gaggcaggtg tccaggtctt tcagaatttc agtaccagc aaactggcac caacgtgcgc   180
aagcttatcg ccgactcgat cgctctcttt cggaagcgc gtttcaagca atctcctgct   240
ggcggcagtg ccgacctttg gcaattggag ctgattatct cggacggcat ctgtgaggac   300
catgaaacaa tcagacgcct tgtccgccag gccaggaag aacggatcat gatcgtgttt   360
  
```

atcattgtgg acgctctgaa ggggaactct atcctagacc tcacgcaggc gagctttgag 420
 ccggataacg agagcggtagc tggtagatg aaattgaaaa tgaagcgata tctggaagga 480
 ttccccctcc cctattacct tgttgtagcg gatgcgagag aactccctgc tgttttggt 540
 acggcattga agcaatgggt tgcggaagtt ggtgatgtt 579

<210> 22261
 <211> 458
 <212> DNA
 <213> Aspergillus nidulans

<400> 22261

acacctcttc aggaagcccc tggtagatt tccggcattg ccgccaaaga tgccaagaag 60
 taccaggagg tgcttatagc attgattttg gagggtagctt atgctctgaa cgagccgacc 120
 gtggatgtcc gtgcgagaaa gaaggacaag gatgctgtaa agaaggctat tggggaggcg 180
 gagaaagatt tcaaggttgc ggttggcaaa gaagtcaaga tcaacctgga cgaggaggag 240
 ccactgcccc atgacaagta cgtctcgccc cacaacagat agctatacgt actaatctta 300
 cttttccag tgctggcggt attgtcatca ccggtggagg tggcaagatt gaaatcaaca 360
 acacctttga ggaacgactg cggcttctcg agatcgatgc tctccctggt gtaggggaga 420
 cactttttgg aaagaacgcc aaccggcggt tccacgac 458

<210> 22262
 <211> 720
 <212> DNA
 <213> Aspergillus nidulans

<400> 22262

acagcacccc ttgactctat ccaggcgagc tatttcacaa aggtgaacga aacattattg 60
 gataagaaga cgggagagat gctggagctg ctgaagtcga tggatgacat tattccggca 120
 attcttcagc atgttgataa ccccatgggc atggatcttc tgttgaagct gatcagcttg 180
 gagagagctg agggcgcca gggcatcggt gatgtaagca tctgtggtcc agttctagct 240
 tgatatgtct aacaatcatc cagtggctca aatcgagga tctgataccg agattgctct 300
 ccttctgtc gtctgagtgg ccggcttccg ttcagacctc cgcgggagat tttcttaaag 360
 ccatcataac catatcggcg aatgcaacgc agaacgaaca atcttgatc ggcccaaaca 420

gtctgactcg tcaattgggt tctctgccat gcgtggaaac tcttgtcaac gcgatgttac 480
aaggcggcaa cactttgaca gtcggtgttg gaattgtaat tgaagttatc cggaagaaca 540
actctgatta tgaccggag cacctgaatg gacctgattc tattcctacc atgtacgatc 600
ctatctatct cggcacacta cttcgtgttt tcgccaaaca tatacccgac tttgtggcgt 660
tgattagcag ctcaaagcat acggttgttg atggagggaa gatgaagagc gtggaacgtg 720

<210> 22263
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22263

acactaacac tccgcaggaa attttcaaca accgcaggaa atcacggaat ctttggctag 60
tgccaataga cgtgttgaat ggcgcaggac gctattttgc aatctactta tccaacagat 120
attcttggct tctagccgca cagactggga tttcgtaat agaaccctga aggagctccg 180
gctagaggtc caatcattcg gcgacaatct tcctcataca atgcaatgcc tgatgcagta 240
cgcagcaggt accattgcac aggcgacggg cgatttagag acagccttgg ccgtttttca 300
atccccgcta ttcttattat ccggtttcaa caaaaccgct cgcaatgacc ctcaccgca 360
cctcgccatc ctggcaacca tcaacatcgt cctcatcctc agcaaccag cccaccatc 420
tcattctcac ctgccaaacc tcctcgccac acttgagtct ttctgtcgcg caacgcctaa 480
taagtacatc caagccgcat atttcttgct ctgcgcgacc acaaacaccg aatcgaccat 540
ccagactaaa caaaacctcc agcaagccct ccaggctgcc accgcaatca gtaacagcca 600
aatcatatgc atgaccttaa cttcatgag ctggaaatat tttcgtggag tcgtgggcga 660
gcaagccgaa aaaagcgctc gcgcgggccc cgcaatggcg ggaaaggcca gcgaccgtct 720
ttgggttagt gttacggacg atatgcttgc agagacttta gaaaggcagg ggaaaggcga 780
agaggcgaag agtgtccgag aggagggtta cagggtcatg acgaacctgc caccggcatt 840
gagacggcct 850

<210> 22264
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22264

gacgatgatg aggaagatga cgaagttagc gatgaagaag atgaagacga agatgaggaa 60
gaagaagaag aggaggaaga ggaagaaaaa gaggacgaga gaaatgcctc aaccatattt 120
atccgcaacc taccattcac atgcatgatg gagtctctct acgaccactt cacccaattc 180
ggaccgctcc gctacgcccg catcgtcgtt gatccagaaa ccgaacgtcc ccgcggtacc 240
ggcttcgtct gcttctggaa gcccagcat gcgcaggcct gtgtcagggc gccctaaac 300
agcaagaccc tctcgccgca gaaaaggaaa aggcaaaaag ggcacgatca tcaagcaatc 360
cgtcctgcag aatgagaatg ccgatccaac gggccgatac actctcgacg gccgtgttct 420
ccagatcagc cgggccgtga gcaagtcccg tgccacacag ctccgcgaag aagggtgtctc 480
gaagcgactc gtccgcgaca ccgacaagcg ccgactctac cttctcaatg aaggaacgat 540
ctcacctaac tctactctct acaagagcct ttgccttcg gaaatcaaga tgcgcgaaga 600
cagtttcaag cagcgacaga actttatccg caagaacccc tcccttcaact tcagtctcac 660
ccgtctatcc atccgtaaca taccgcgcca cgtcacatca aaagacctca agcagtttagc 720
tagggaagca atcgtcggct ttgccaagga cgtcaaggaa ggtatacgcc aaccactctc 780
gagagaagaa atggaccgcg cgtccgaaga gatgagagag gcagagaagc tgcggaagaa 840
gaaaggtgtc 850

<210> 22265

<211> 472

<212> DNA

<213> *Aspergillus nidulans*

<400> 22265

agttagtccc ctctactatt atcttcaagg gaaaggtcta tatagaggga tagtttaaca 60
aagaagtaat cctagatact tagaggatta aaataagtag taataaatag accttagata 120
agattaggct ttgctggctt taaaaagtct ttattccagc tatatatagc tatttttaggg 180
ggaggtatta actttttatt ctagataact atagaagcta cctaatacct aaatttgatt 240
atatatataa gaagaataat attataccta tctatatact tttatattta tcttacttct 300
tataacctct taatattagt tatttttagtc ccttaaagaa gatatactat aagcttataa 360
agtagaaagg gcagttaggg tataaccata ttaataagtt taatttctta aaagcttatac 420

tagcagcgta taagaaagtc ttataataa aaaatattta aagcagattt ag 472

<210> 22266
<211> 714
<212> DNA
<213> Aspergillus nidulans

<400> 22266

cagtctgagt gacgtgaaat ggactctttc tagttcggcc ctcaatagca cagtgcgggt 60
ttctctgcct tccaagcgc atctggactt gctcaatgca ggcgtaattg gtaagcttgt 120
tcgtcttgtc aatTTTTctg tctcactgac caaaaagacg atccgtaggt tttaacgtta 180
ctgaataatt agttgctgaa attgcccagc tattatgggt tgaatgagat cgatctccaa 240
tggattgccc aggcgaaactg gacatatata agtgatccta ttctgatct gtaaggaacc 300
gtctcggttac cgatcggcca atctaacatt tatcaggctt gaagaatatg agtctacttg 360
gctgggtgttc gaaggcttgg acacattcgc tactgtcacc ttctgcggcc acaatatcgc 420
ctctaccaac aaccagttcc gacagtatgc ctttgacgtt tctcagccc tgaaggagtg 480
tacaggaggc cccgtggtcc ggatcgattt tgcaagcgcc cctaactctg tagacgcaat 540
tgccgcagac ccgaagacac ccgtatggcc tgtccaactg actgctcagc tgcccaaccg 600
ctggcttatg cgcaagcaac agtccgattt tggctggaat tggggccctg cgtttgctcc 660
ttgtggacca tggaaccgg catatgtcgt ccagcatgag aaaacacgta gacc 714

<210> 22267
<211> 590
<212> DNA
<213> Aspergillus nidulans

<400> 22267

ggtacaaaca ataaagacca ccctctacca attgatgtac tgcccggggg ccgcgacgtg 60
cagacccct atggatcgat ccgtgtgtac gaatggggcc cagagcacgg gcccaaggta 120
ttgcttggtc acggcattac cactccctgc atctcacttg gcgggctagc tcacggcttg 180
gtagaccgag gttgccgggt tatgctgttt gatctgtgag tgccatgggt cttgactggc 240
tcgagcttcc tactaacttc tgccattagg tttgggagag gctactcgga ctgccccgct 300
gatcttcccc aagacgaacg gcttttcgca tctcagatct tcttggttt gagttcctcg 360

ccaatctcgt ggacgggggc cggttcaggc aaattctgtc tagtcgggta ctcccttggc 420
ggcgggtatag ctacatcttt cgcgtcattc ttccctcaac tcttgtcggc tctcgtgctt 480
cttgctcctg cagggttgat tcgcgataag catatcagct tccgtaccg gttcctgtat 540
tctggaggcc tgccggatcg gtcctcaaa tacctctccg gtatccgatt 590

<210> 22268
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22268

cccttttgaa catggcccc gccagatac gcgacctga ctacgctgag cgacatggat 60
aactccggt gttgttaaag aaattaattc acgacgctgg tcgtggtgct cctctcgcta 120
aggteccagt ccgccacct tacaagttca agcacatcac cgagaccttg atcgccaacg 180
agggcatgta caccggccaa ttcattctac ctggaaagaa cgccgctctg accatcggaa 240
acatccttcc cctcgctcc gtccccgaag gtaccgtcat ctccaacgtc gaggagaagg 300
ctggtgaccg tggggctctt ggtcgtacct ctggaaacta tgttaccgtc atcggccaca 360
accccgatga gggcaagact cgtgtcaagc tcccctccg cgctaagaag gtcataaga 420
aactgctcg tggcatgac ggtatcgttg ctggtggtgg tcgtaccgac aagcctctcc 480
tgagtatgtt attcggattt gtgccatta gctgacgcag gctggggcaa ttgttgga 540
acaaccgcta atgatctgtg aacagaggct tctcgtgcca agcacaagtt tgctgtcaag 600
cgcaacagct ggccaagac tcgtggtggt gccatgaacc ccgttgatca cgtaaggctc 660
tttttccag tcttaagctg gaatctggat tatactgac atgaattctt tacagcctca 720
cgggtggtgt aaccaccagc acatcggtta ggcctcgacc atctcccgct acgccgcca 780
cgggtcaaaaa gcgggtctca ttgccgccg gagaactggt ctgctccgtg gtaccagaa 840
gaccaaggat 850

<210> 22269
<211> 748
<212> DNA
<213> Aspergillus nidulans

<400> 22269

gtacaaaaat tccgccccgt agtagtgctg ggtccctctg gaactggcaa atcaacccta 60
 ctcaagaggc ttttcgccga gtatcccgac accttcggat tctctgtttc tcgtctgtaa 120
 accccgcttt cgcccaataa ctggagttct catgaaggca gcgtttctga catactgtca 180
 gacacgacta gagccccctg gcctggcgag caacatggcc gtgagtacta tttcacgaca 240
 aaggaggact tcttcgacct agtgagcaaa aatggcttta tcgagcatgc ccagtttggc 300
 ggcaactatt acgggacaag tgtgcaggcc gtgaaggata tcgcggaaca agaaaggatc 360
 tgtatcctag acatcgaaat ggaggttggg tactgaaaat catcctgcga aagcgaagtt 420
 gtggagtctc tcagttggta gactaacgcc tgtacttgat tccaaatagg ggggtgaagca 480
 agtgaagaaa accgatttaa acgcgagatt cttattttct gcgccgccat ctgtcgacga 540
 gctagagagg agattgcgta gccgcggcac cgagacagaa gagagcttgc aaaaacgggt 600
 gacgcaggcg aagaacgagc ttgagtatgc aaagcaacct ggcgcgcacg ataagataat 660
 cgtcaacgat gacttggagt ccgcgtacac ggaattgaag gactatattg ttgatggtgg 720
 gaattttgga tccgaggcat agacggcg 748

<210> 22270
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22270

aatccagaag gcttacaacg cctatgccgg tattatgaag cgggaggcag accacacgct 60
 cgacacggta gacaagcttc gcgcggggccc aatctcaatg ccgcatgac atgaatggaa 120
 cgcatttgct gcaaatacgg acgaaatggg ggacccgcgt atccgaatcc gtgacgttga 180
 aagcattacg tatcccgga aggatcatcc ggctgctgca gaagtcaggc cagggatgct 240
 ggaacgcaag agcaagtatc tgaagagcta tgctcctgga tggttcgtct gcttaccgct 300
 tggactgctc gatgtgctaa tcttctgca ggtatgtttt gtcaccgact cacctccatg 360
 agtttaagtc ggcggatagg gttgcatggc agacaccagt aatgtcatta taccttccag 420
 aacagaaact tggatcgcat tcgcaaccgg actcgacatc gcacaagtgc atgctgaaag 480
 gacggcaaac gggaacgatg cagcaggggc actcctgggt atttagagcg gagtcccaca 540
 aaagaatgat aacctggtac gaggatattg atggaatgat catatgacag gagaggcacg 600

atatgcgtac gtcaggcgac atgtacgtac cgtcagtggg gccagtttcc gaagcagcag 660
 tgacggagta ttgaatgaag acgaagccga tcggacccca tactctgctg gatcagttgt 720
 gatgcaacag gaacgtccta catctcagcg ccaaccaggt ggcatgttac accagccctg 780
 taaaaatcga tcgtcaccaa cagcatccac tgtctccatc aagcggagag agctcggaga 840
 gagagatctg 850

<210> 22271
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22271

cactgtggca cgatagcgac gacgagcgca ttaccatttc ttgggctggg aacaacagac 60
 tgaggaaact gcgtgtcact gagtcggaag atattattag tgggaaggag tacatcaggc 120
 gacttcgccc gcaatatctg cagctacatc cgacgcctga ttgggcgaaa cctaattcga 180
 acaagcaagc ggacgagaac gaagatgatt ccaactatga ggatgagatg gatacagatg 240
 aagaggggga gatatccgcg cagcggttgg cgaacgtttt gcagggtatt gatttcacga 300
 agattgagac tgagagcgca acgggcggtc gtccgaagct gcgaaaggaa gtcattagta 360
 tcaacgatta aaggatattg ggaaggacca ccggtgagta cttcagagaa gacttcttct 420
 acctcatgca taactaatgt gcgcccgaac tccatagtct gctgtcacc cactcacct 480
 tccaccctca ttatccattg atcctctcct caggcccagc atcaaacctc tcatccacca 540
 tgtctcccc gacgcccac gccctcacc actcctacat ctctcacatt cgccaaacgc 600
 ccatcagcac ctcggccttc tccccggacg gacatcagat ctacgcgtcc ggctcgccgc 660
 gctattacca catctggaac ctcaattccg gcaaagtga caaggttaac ggctctgccc 720
 accgccgga ggaacagaaa tctatggaac gcttcaagct ctccccctgc ggccgcttca 780
 tcggtcttgt cggctcaacc cgtaaaggcg gcggtgtcat taacatccac aataccgtca 840
 cagcgcaatg 850

<210> 22272
 <211> 443
 <212> DNA
 <213> *Aspergillus nidulans*

<223> unsure at all n locations
<400> 22272

```

aaaaagtctg cgagnatgcg ctctccctga agaaagggag cggaccttac gtcgtcactg   60
aagnaggcgc gcagggggccc gaggacaagg tcatccaggt aggcagcatt cctcccactt  120
cgaatcctcc caaagttagt gctcgtctgt tgactgatga gaatgcagca caactctgaa  180
ggcgagggtca tcgttgacgg attcacggta tacgactttg gcaaactata ccgatcgtgc  240
ggcacatgcg gcgatatcca gcgctcagcg acgattacca acgtcgttgc cgtatcaggg  300
agcactattg ccggggcgaa tgggaacttt ggcgatgtgg tgaccattga cagctccaac  360
tgcgcgacgg atgtcagtgc catctgcacc acgtacgaag ccgatgccga cggcggcgag  420
cccgaggagg tctcgaccga tgt                                     443

```

<210> 22273
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

```

<400>        22273

acagcgacta gtctctgact ccgccaaagt gaaactttgg attcggatcg tgcggctata   60
ccttgaggaa gacgacacaa ctagtgccga ggcatctctc aacagaataa aaaacctgcc  120
gagcaagatc gaagaccacg agctgaaact gcacttccgg ctttcccaag ctcggtattca  180
agatgcccgc agacgttttc tggacgccag tcaggaatac ttcgctgtta gcctcgccgc  240
tggcgtagat gagagtgaca gactccaagc ccttgcggcc gctatccgct gcgctgtcct  300
cgcaccggcc ggtccacaac gctccgcac tctagcaaca ctgtacaaag atgaccgcgc  360
gacctccgtt gaagaattcg gcatcctgga gaaaatgttc ctcgaccgct tctcactcag  420
aagaggatc tgcgttcgcg cagcgcctag ccccgacca gctcgcaaa accgcagacg  480
gaacaacagt acttgataaa gctgttggtg agcacaatct cgtggccgcg agcaagctct  540
acgagaacat aaagaccgac cgcgctaggc gctattctgg gtctgcaagc tagtggggat  600
ctgacggctg gtgagaaggc cgaagcgtat gcagccagaa tggtagaaca agggcggctg  660
agcgggagta ttgaccagat tgatgggata atctacttcg agtcaaatac gactgctacg  720
gggagacata ttcggcagtg ggatgctggg gtacaaggtc ttcggagggg ggtagagcga  780

```

gtcgcgacta acattgccga gggccatctg gtacgttgac ctcttgacgt gctgcagcct 840
 caatgcagaa 850

<210> 22274
 <211> 544
 <212> DNA
 <213> Aspergillus nidulans

<400> 22274

cagtaaactg atctgatccc agcaatctcc acctcaaagg tctctctagt gccatactcg 60
 aatggcatg tgccgcggta ccacgaatgg atgaaggacg aggtacgccg gccacatata 120
 gccaatcccc tcatatacgc ccaggaatt ctaatgagca agtaggagat ccaacaagca 180
 acagcctcag agccccctctc cctctcagaa gactacgcca tgcagcagtc ttggcggaac 240
 gacgctgata aactaacctt tatcatctgt cttccggtgg cacctgagac ggataatggg 300
 aatctaagtc tactgacga ggacgatgct cccacccgca tgattgggga tatcaatctg 360
 tttctccgag tggaggaaga tgaagaagat ggagacgagg aaaggaattc tagcaaccct 420
 cagatcatcg gcgaaatcga gcttatgatt gccgaaaaaa aggatcaagg gaagggcctt 480
 gggaaggctg cgctcctggc attcctgacg tatgttattg agagggagag agagggttctg 540
 ggag 544

<210> 22275
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22275

tggtcgcgac gcggagcggc tctagcaggc caccgcgtca tcgacaaaat tgcgtttacg 60
 gggtcgaccg taacagcacg cgagatcatg aagctcgatg gggagactgt gtagaacata 120
 accatagata ctggcggaat atcaccctt agggagttac ctggcgctga cctggagcat 180
 gctgttaagt ggtcgactt tggatcatg tccaaccagg gacagatgtg caccgccact 240
 tcccgaatct acgtccatca agatatattc cagctgttcc tgtccaaatt caaggccgag 300
 gttgagacga cttccaaaat cggcgaccaa tgggacgaat ctacctttca ggggcccag 360
 attacacgag ccagtagca ccggtatcctt tcctatatcg agaccgcgaa gaaaggcggt 420

atggccgtag tcaccggcgg ctcagcacat gcgccttcga gcgagaagaa caaggacggc 480
tatttcatcc aaccgactgt gttcaccggc accgatgact cgcattgctat cgtccgtgaa 540
gaggtctttg gcccgtttgt ggtgatccta cccttcgcgt ccgaagagga agccatcagg 600
cgtgcaaattg acacaacata cggacttggg gcggcagttt tcacgtgcga tctggaacgt 660
gcgcattcgtg ttgctgctga gatagaagct ggcattggtct gggtaaacag cagtccaggac 720
tgtgatcccc ggggtgccttt tgggggcgtc aagcagagcg gtattgggcg tgaactgggc 780
gagggggggc tggaggctta tacacagggt aaggcctgtg catgtgaaca tgggcaacaa 840
gctttagaac 850

<210> 22276
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 22276
ctggatgctc gacaactcca ttgcgtccat gcaaaaccgc atgttctctc tcttctgat 60
catctctctc ccaccatct tcctcaactc caccctcccc aagttttata tgaaccgcgc 120
cctctgggaa gcccgatgaat acccctctcg aatctatggg tgggtcgctt tctgcaccgc 180
caacgtggtc gctgagatac ccgcagccat catctccgcc acggtctact tccttttgtg 240
gtacttcgct gtgggggttc ctgtcaccgc atccgcctcg ggctatgtct tcctcatgac 300
catgtctctc ttctcttca tggcatcctg gggtaaatgg atttgcgcct tcgccccctc 360
cttcacgggt atctccaatg tgctgccgtt cttcttcgtt atgaccggtc tcttcaacgg 420
tgtcgtccgc ccctacgatg actaccccg tttctggaaa tactggatgt attatgtcaa 480
cccgtaacc tgggtggatt gcggcgctat ctccgctatc ttccccagcg tcgagatcac 540
ctgcgccgcc actgaagcga ccacttcaa cccgccccct ggctcgactt gctctgacta 600
cgctccaac ttcgtgaaca acattgccg cgctggatac ctggctaacc cggatgcgac 660
aagtgactgt cagtactgcc cgtacgagaa tggaaacgcag tacatgagca ctctgaatgt 720
gcggcccgac gacaagtggc attcttttgg gatcttcta gcctttgtca tcatcaactg 780
ggtgcttgtt tacttcttca tctacaccgt tcgggtgaag aagtggcat tcggagtggg 840
tctctgtttg 850

<210> 22277
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22277

```

atcttccgag tccgagtccg actcgagcga cagcgatgag gagatgaagg atgcctccag   60
cagcgagagt gatagcgaga gcgagagtga ggaggagaag aaacccgcta aatcggccaa  120
ggctgaaccc aaggtgggta aaaaggccga gtctagcgag tcagagtctt ctgactcctc  180
cgattctgat tccgacgatg aatcgtctga ggaagaggag gttcccaagg ccaaggctaa  240
ggctgctgag tccagcgaca gcgaggactc tgactctgaa agcgaagagg aagccccggc  300
caaggctaag ggcgacgcca agacctcaa ggaagagtct gattctgact ctgacagctc  360
ggagagttct tccgattctg atgaggagtc tggtagctcc ggggccgagt ctgaggacag  420
cgacaagcca gcggattcta agaagcgcaa ggctgaggaa gagcccgtg ctgcttccaa  480
gaaatccaag actgaggagg gtgcctccgc taacctcttt gtcggcaacc tttcctggaa  540
cgtcaccgag gagtggcttc accaagagtt cgagcagttc ggtgagctgt ccgcgcgtat  600
tatgaccgaa cgcgacactg gccgctcccg tggattcggg tatgttgaat tcaccaacgc  660
tgccgatgct gccaaaggctt acgaggccat gaaggaacac gagattgacg gccgcaagat  720
caacctcgac tacgccaccg gacgccccgc caacaaggac cagggcggct tcaaggaacg  780
cgctcaaaac cgtgcccgtc cttttggcga ccagaccagc ccggagagcg acaccctctt  840
tgttggcaac                                     850
  
```

<210> 22278
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22278

```

gagcttgtgg atcttaacgt ctttgtacag tgtcagcgga tcgccgagag tctccgcaat   60
ggtgaaacta aggatgctct acagtgggtg aacgagaata aagctgcctt aaagaagagt  120
caagtaagta agagccaagc tctgctctaa ttcaaccatg acctaatatg gtgtatgcag  180
tacaatttgg agttcgagtt acgactgcaa cagtacattg agatgatcag aacgagggac  240
  
```

agggcgaaat tcgtggatgc aatgggtgcat gcaagaaggt acctggcacc gtatgacgaa 300
 actcaatcag cggagattcg tcgagctgcc ggccttcttg cttttcccc gaacacaaga 360
 gccgaaccct acaaggtatt ttagcccggt ccccaagaaa acctaatacta atgtgcaata 420
 gtcaatgtat gcctccgaac ggtgggtgta cctctctgaa ctatttattc gcacgcatca 480
 tgagctcctc tcattgcctt ctcggccatt gatgcatatt gcgttatcag ccggcctatc 540
 tggcctaaag acccctgcgt gtcattcagc taacacctct tcgagctcaa actctcattc 600
 gaccgccaca tctgtatgtc ctatatgtct aacggagttg aatgagcttg ctcgaaatct 660
 gccgtacgcc aatcatacga agagttccgt ggaaaacgac ccagtagtct tgcctaattg 720
 cagggatatac ggtttacatc gtttggtaga catgagcaag aagctcagct ccctcgaggc 780
 agggcaaagtc agagatccca caaccggtga gatcttcaat gagagcgaat tgaagaaggt 840
 gtacataatg 850

<210> 22279
 <211> 537
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22279

aacgtagcg catggaacag gatcgacaaa gataatgctg taagatcacc accagtccat 60
 ttagacggcc catgagacat gagtgaaaga aattacaagt gcgaaggccc ttttggtcat 120
 tgacgaccaa gtcggccttg ccaccgtcgt tcgcgcttac agcaccaacg acttccgtaa 180
 caacatggtc gccacgctg ctatcggaac ggcgtttgac atccccgtgc tgacgacctc 240
 ctcgacgaa ggcccaacg ggcagatgct taaggagatt ctcgatatgt acccgaacac 300
 cacggctgtc cgccgccagg gcgaggtcaa tgcattggat aacgaggagt tccgcaacgc 360
 ctcaaggcga cggggaaaaa agcagttgat tgtaggtggg attgtgacag aagtttgtaa 420
 gtctctatag ttatttccgc gcttaactcg atcttacct gactggattt tgcaggcact 480
 gcgttctca ccctctccat tgtcgatgaa gggtagagg tatatgocaa cgccgac 537

<210> 22280
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22280

ttttcctcgt ggtgaacgcg gtcggtttgt tcgtcgggtat tgtctacaac agccaaaccc 60
cagatctcta tgagaataat gccaccaca agatcggctg ggtcgcgacc tgggtgatct 120
ctgctcaggt cgtgatggct ctgatcttcg cctacgccgg tagaggagag aaggtagaga 180
atgcctaaga gcgtgcgcaa ttcttgcccg tgtcgaccga cgacatggcc gagactccta 240
cgactctccc cgctggcatt cgccatgaat accgctggtc gagggacagc ggtcagggca 300
ctgagcggaa cacggcgctc ctcatagcc gcgctagctc gtcttgcccg tcgccttcgg 360
atgaataaga tggctttgag aagcccgcg aggatatccc cgaacagtct ttggaatccc 420
gaggtttcat gcacaccggc gtctcgcacc gattccttgc ccaccgcgtt ccgagcttgg 480
tttccgtccg tgctcttcga atcctcaatt tcgtgtacaa tgctattgac agattgattc 540
tgccgcttgg ttctattgcg cttgttagcg gcggcgtagc ttacgggtgg atcatggtaa 600
ggatagcaac ttctgtgtaa tgggccttac taacaacgca cagcgagaca gagaagtctt 660
caacggcctc gcgcacttca tcaaaggcgg tatcttttcc tggtagcgtc tcatcacctt 720
gggcgcgatg atgggctgct gggcggactt gggctgggct tggaaatgta agccaccgcg 780
cgagattgtt ggctggaaac caagatttgc agcggcgagt tcaccgaatc cgcggccatc 840
ttctcctgtt 850

<210> 22281

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 22281

caagcaagtc ggatatcaac cagattacac acagctcctc caacacatcg ttcgtgtgaa 60
tccgaaaag ggtgctgagt ttgcgactca gcttgccaac gaagagtctg gcgcactcat 120
cgaccttgac cgcgttgtgg atgttttctt tcccagaac atggttcagc aggccacttc 180
tttctcttg gatgctctta aggataacaa acctgaacat ggccaccttc agacacgcct 240
cctcgagatg aatcttgtca acgctccgca ggtcgctgac gccatcctcg ggaatgagat 300
ttttacacat tacgaccgtc cccgtgttcc ccaactctgc gagaatgctg gtcttatcca 360
aagagccttg gaaaatactg acgaccctgc cgtcatcaag cgcaacattg ttgcgacgga 420

tcaactcagc accgagtggc tgatgaactt cattggccgt ctttctgttg agcagaccct 480
cgactgcatg gacacaatgt tggaagtcaa catccgcaat aacctgcaag ctgtcgttca 540
gatctgcaca aagttctccg accttcttgg acctagtcgt ttaatcagtc ttctagagaa 600
atatcgcacc gtcgaaggtc tgtactatta ctttgggaagt attgtgaatc tttctgagga 660
tcccggggta catttttaggg tcattgaagc tgccactgcg atgaaccaga tctcttaggt 720
tgaaagaatt tgccgtgaaa gccacttcta caccctgaaa aggttagaaa ttctcaggg 780
aaactgtttg accgaacatt gccgttatac ttttttgacc attaactttg gcccactgg 840
cttggacctt 850

<210> 22282
<211> 732
<212> DNA
<213> *Aspergillus nidulans*

<400> 22282
cgcggggatgt ccaatcccac aagaaaatgc tgtgggatcg attgcgataa tgaagctggg 60
accttacaat gcccaacatg tctgaagctg gatatcaaag gcagttactt ctgctcccaa 120
gactgcttca agaagaattg ggtaggtcgc atccgcgccg attctgatcg ctgagcaccg 180
aagtttgatt gtgtccagac cacgcacaag gctacgatgc acaaaccacg aaatggtaac 240
tacctctttc ggctggaagg tagcggcgac ttagccagtt gtttactgat cacgatacag 300
atcgaggact gttcaaccct tttccgactt accaatttac tggctctgtt agaccagtct 360
accactctc gccgcgacgg cctgtcccca aaataatcac ccatcccgat tgggcggaga 420
ctggcatccc aaggcgggaa atgcgcttaa gcaggtcaaa atgggacctc ttggatgcta 480
agggccagca ggctatgccc aagggtgtgcc ggctggcgag agaagtcctc gacataacgg 540
ctgcagcagt gaagcccggc gttactacag actacttggg cgagatctgc cacaacgctt 600
gcattgagcg aggggtgagt caaggccact ctaggcgaac tttgtaagga ggtgtactga 660
aacagccagc agtcatatcc ttctccgctc aactacaacc actttcccca gtgaatttcc 720
cacaatcata gg 732

<210> 22283
<211> 850
<212> DNA

<213> Aspergillus nidulans

<400> 22283

tgccatgtcg ttgcttcccg acgtcttata taggatttcc cactccagtc cttcaattcg 60
aaagaaggca gtagtatgct tgtaccgcct ggccttggtt tatcccgagg ctttaaggct 120
agcatggcct aggctgaagg accgtttgat ggatgaaacg gaagacagca gtgtcactac 180
agctgtactc aatgtcgtat gcgagcttgg atggcggagg cctcatgatt tcttccact 240
tgagccaagg ttctttgagc ttttggtgga agggggtaac aattgaatgt caatcataat 300
cataaaaactt gtgagtttgt tttatggaca cttggcattt ggtaatgcta acttccctag 360
tttgcaacat tgactcctct ggagcctcgg cttgtgcgga aactcatccg gccgcttata 420
aatatagtcg agacgaccac cgccatgtca ttgctctacg aatgcattaa tggaatcatt 480
caaggtggca ttttagaggg agaaggggag cttgaagact cgcagagat tgcagatctt 540
tgcggtgcaa agctccgagg catggttggt acagatttcg atcccaaccg tgagtgttcc 600
ctattattat ccctatgctg tgctaacgga taccagtcaa gtacgtagca ctgctcgcat 660
ttagcaggat tgtagtatcc caccctcctc tgatttcgat gcatcaggac gtcataatga 720
attgtctaga ggatgcggaa atctcgatcc ggttgcaggc tttagagctg gcggctcgat 780
ggttacagga gacaatcacg tgcacgctat gtagtgagaa ctacaacttt caaggatcca 840
atccaatacg 850

<210> 22284

<211> 671

<212> DNA

<213> Aspergillus nidulans

<400> 22284

aagctctttg aggctggtat cgagaagagg tttaaggatg ggggtgttac aattgcgagt 60
atcgtcaatg tcatgaatac gccttcccc gaggcgagg cggccggtat cgatgaagat 120
gggctcttca accaggccag ccagttcgtc gggctctgtc tcagccgtaa gttgcggcat 180
gccgtgaact cctggctccc tgcgcgtgaa accgtgcaag ccgcctacac cgaccggaag 240
aacgtgcacg ccagcgggaa gatcatggtt ctgcctcaag gcggcgtgcc ctggaaggag 300
cacctgtaca actttgagaa ggaggcaaag gcggctaata ttaacggcaa tgcggaggac 360

gccgaggttg tgtatgtgct gtacccagag agcgcggccg aagggtccaa gtggcgtgtg 420
caggctgttt ccgtgaatga ggggagcttc gtctcgcgca agcctttgcc cgagaagtgg 480
cggggtgtca gggatgcaga tctcgatgga gttcttgctg gtgaaggggc gggtatccag 540
agggggcggt gtttgtgcat gcgagtggat tcatcggcgg ccataagacc agggaggggg 600
catttgctat ggctgctaag ggctctggaa taggcgttca taaaaggctc agtggagtgt 660
tacgggttta t 671

<210> 22285
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22285

ctgccagcat cgggccaggc ctcctcaga aatccattcc gcttatgggt caaagcgtac 60
gggatgtcag ggtcgaatta gctgcaaaag acatggatcg actgcgatca cggattcagc 120
ggacccaag caatcacaga gatctgagtt cagctccggt cgttcccagc tctgatgcta 180
tgagtgagac gggtaggatg ccacaggctg aaattccaga cttggtggca gaggccgaga 240
ccaagccata taaagttctt ccgttcggcc ttgatgccac agtcaatatg agagaccttg 300
acccggctgg taagattaag tttttatttc ccgaaaccc aaatcgctga cggctactag 360
atatggacaa gttggtgagc attaagggtc tagtgatccg agctacgccc atcattcccg 420
atatgaaaga aggttagtgc atttctccaa actcagagag ggccatgcta acccttcac 480
aagcgttttt ccgctgtcaa gcttgcaacc attcagttca agtggatata gaccgcggca 540
agattgcga acccaccatt tgtccgcgtc aggcattgcca ggagagaaac tcgatggaaa 600
tcgtgcacaa ccgctgtgtc tttgccgata agcaggttat caagttgcag gagactcctg 660
atagcatccc tgacggccag acacctcact cagtttccct gtgtgtttac gacgagttag 720
tagatgtgtg caaagcagg gaccgcgttg aggttaaccg aatcttccga tcgaaccctg 780
tgcgagtcaa ccctcgccag cgaaccaga agacactctt caagacatat attgatgttc 840
tgcacgttca 850

<210> 22286
<211> 659
<212> DNA

<213> Aspergillus nidulans

<400> 22286

caactatTTTT caaaaccctg aatatttcat gttctacacc cttttcaaca cttccctcgc 60
cgaagaccgc gcatacggcg tgcactccgg taaaaatgca aactttgcct ggcacaccgc 120
taacgcaaca atggacctgc aggctgacta aagcgggaaa gggttcggcg aaccgcagaa 180
ccctcatgcg ctgggacaag cgtcataaga agtatgttag tcgccaaaac gacgaggacg 240
gatccaaggg caccaaactc gtccgtgggtg agagcggcgc caagatcggc gctactttac 300
gcagcggccg gtttgatgcg tggagaagg ggaagagagt gggcaggtta ccgagagtcg 360
gcgaggcgga aacgcctggc ctggctggcg accttggtgg ctctgggtgg tcttttggtg 420
ggaagagatt caggcacaag agcgagaagg cgcccaaggc tgcagaccgc ttgagagggg 480
attatgaaaa gatgaagaag aaggctgagg ctgcgaggga gagggccgct agcaagggtg 540
ggggcggtgac gagtggagga aagagcgaga ttaggaatac ggacgatatc cgcaaggcga 600
ggaaattgaa gcagaagagg agagagaaga atgctcggcc gtcgaggaag aagtagacg 659

<210> 22287

<211> 520

<212> DNA

<213> Aspergillus nidulans

<400> 22287

tcgtcgtccc atatgcagtc tcgtctccac atatgtccgc gactcacgct gcattgtgct 60
gctatcgtct ccctcatccc ttgcgagact cctagacatc cgctttacag atctctctca 120
ccgctggacc ctctcggcgc gcacttggtc gcaatacatc attggtgccc ccgttattat 180
ctcctggaat ctctctcca ctaacatagc cggacacacg aagcgctcta ttgccaacgg 240
cctctgggttc acgctatacg cgagcgggaa cgttgcgggg tcgaacatTTT tctttgcaaa 300
cgaagctccc cgatatttct ccgctttgac cgggttgctg atctgttacg cgggtatgat 360
tttgctcgtc ggtgttgctg acgccgttat gaagatcgag aatgtaaggc gggaccggaa 420
gatgactgct gaggagagca tcatgaggca ggatagggcc gttttggatg ggttcaagga 480
tatgacggat atggaatcaa aggattttcg ttatgcgctt 520

<210> 22288

<211> 838
 <212> DNA
 <213> Aspergillus nidulans

<400> 22288

```
gtgagattga catataagag gagtatttga gtatcaaagg tgattggaaa ggataattga   60
gagaaatgga tgttactagt tatgtaatga ggcagaaagt attgattgga gagagaaacg  120
gagggataag catgtaaattg ggagaataga ttagatgtgc aatgccatag gaaagaagag  180
gttctccata aagatttcaa aacacctaca atcaagccct ttctccatgt ctctcacagc  240
atcgaagctt gttgtgggca tggcctcgcg agccctacac atttacgata taaaatcact  300
ttcgtcttta acgggacagt cggaagaagg tgtggcgccg gccaaagggtg aagttgagcc  360
atggcagcga cgggaaagca gcctgaagtt tatgacgcgc tgcgttgctt gcatgcccg  420
tgacgcggga tacgcttcat ctagcatcga agggcgggtg gctgttgagt ggtttgatcc  480
ctcagccgag tcgcaagcgc ggaagtacgc cttcaaatgc catcgacaga cgtcggatga  540
tgtcgatgtg gtgtatcccg tcaactcgct ggctttccat ccaattcatg gaacattcgc  600
atctggaggc ggtgatggtg tgggtggcct ttgggatggc atcgcaaaga ggaggatcag  660
acagtaccag aaatatcctt ccagtgtagc ggctgtggca tttagctcta atgggaaata  720
cctcgcaatt gccatcagcc caggatacga ggatggaaag gatgatctta ctgacgggac  780
ggtcaggaac tatgtacgcg aactcggggg gacgctagct atgggaagag gtgcgaga   838
```

<210> 22289
 <211> 788
 <212> DNA
 <213> Aspergillus nidulans

<400> 22289

```
caaacatgag aattcgcggc cgcataatac gactcactat agggatctca gcagcatcta   60
cgaggacgac atggaggacg atgtagaaag tcctagcatg aagaaacacg gccaccaaag  120
ccgtggatga ccctatacta gcatgtgacc actatgctat tacaggagag tcgctcgctg  180
tggaccgcta tatgggtgga atgatatact acacgactgg ctgcaagcgt ggtaaggcgt  240
atgctatagt tcaaaccggc gcaaagacct cattcgtagg ccgcacggcc accatggttc  300
agtcagcaaa gggagcaggg catttcgaaa ttgtcatgga caacattggc acgtcacttc  360
```

tgattcttgt catggcttgg attcttgctg catggattgg tggcttcttc cggcaccttc 420
 caatcgcttc tctcgcag cagacccttc ttcattacac gttgtctctg ctgattgtcg 480
 gagtccctgt tggcttctct gttgtgacaa ctactacgat ggccgtggga gggcggtacc 540
 ttgccaaaaa gaaggccatt gtacaaaaac tcaactgcat tgaatcgctt gctgtacgtt 600
 tgttactcga ctgctaata aaggggggtgc actgacattc ataggggtgtt gatatcttgt 660
 gttctgacaa aacgggaact ctgaccgcaa ataaactgag tatccgggat ccatacgtag 720
 cggaaggcgt tgacatcgac tggattgtcg cagtggctgc cctcgcgtcc tttacaacat 780
 cgattcgc 788

<210> 22290
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22290

agaagttcga ttacatcggt tatcctagcc gcagtatcca gaccgacggt atcaaagctt 60
 tctctgttac ttcgttttgt ttcggtcaga aggggtgctca ggctatttgt attcatccga 120
 aatacctgta tgccactcta gatcgcgcac aattcgaagc atacagagcc aaggctcgaga 180
 ctagacagaa gaaggcatac cgctacttcc acaacggcct ggtcaacaat agcatcttcg 240
 ttgccaaaag catagctcct atgaagcgaa acttcaaagc aaggctcttca tgaatcccga 300
 ttaccgtgtg gccgcagaca ggaagctttc agagttagac tatccacctt agccccctgt 360
 tgctactgac gcaggatctg aaagtaccaa ggctgtgatt gagtccctgg cgaaggctca 420
 cgccaccgag aactcgaaaa tcggcgctga tgttgagtct atcgatagca tcaatatctc 480
 aaatgagact ttcattgaga ggaattttac ggccagcgaa caacaatact gccagaatgc 540
 cccgtcgcgc cagtcacgtt ttgcgggaag atggagcgca aaagaggctg tcttcaagtc 600
 cttgggtgtc tgcagtaaag gtgctggggc tcccttgaaa gacatcgaaa tcgagaatga 660
 ctctaacggg ggcctactg ttaaggtaag atcactcaac atgtttcatg ttcagtttta 720
 catttgagct aacgatttct agctccatgg tgttgcgcc gaagctgcta aagaagctgg 780
 tgtgaagcat atcagtgtca gcatcagcca cagtgacatg caggctgtcg cagtggcaat 840
 ctcacagttc 850

<210> 22291
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22291

```

gggtgccagac gattccgatac gcggtcatcc ccgactttct aatggccaact ctcataccttc 60
gatgggttaga acgaagtect cagatgatag cccgacatcg ccagggggcca ccgatactgc 120
caccacttcc tttcccctca acgacattga ttatgaatct gacccggcag cgggtggcgca 180
agaactgaat aacctggctg cattcggcgg atgtcaatgg atgttactgc gaccggcgat 240
cccgatcttc caagtttcaa tttcccgtt cctcgatag cccctcacc ctctgccgat 300
gaaaacgata cctcgcgact attttgggtt cctgcccgcc tgcatacggg gctgggtccg 360
aaagagttaa agtcgtttct cgagagtaaa tcggaacata tcaagcgag atcaggcgaa 420
ttttccacat tgagccctga acgcaaaat tcaaatagtt ccctcactcg aaagcggctc 480
atgttatcca agcaaattga caatggccaa ggctacacgg atgggtgcaga gcggttagag 540
cgcaaacggt ctcagaatag agatcaccaa ggtccaaatc tgcaagaaat agaaagtcta 600
gtgggcgaaa cctcgcaaaa gaccccgatt gccgccactc ttttggaac tgttcaggcc 660
cttcacatct gccccgagga tgatcgcca atccttgctg cagcgccgcc gggtcacagt 720
ctcaggcggt ctacgagaac ccagtatcgg aaggcttgga gccttgagaa ggggtgaacga 780
ccttcctatg cgagaagaac tggtcggatt gctgattcga gggatatgcc tgctcgctca 840
ctgcccccttc 850

```

<210> 22292
 <211> 691
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22292

```

gactttctta ctttcgctag aattgctatt gtcagtactg acaaagtgag tctcgtgtgc 60
cccgctaact atgcatgaac gtcataact tatatcacgc gtccaatagt gcaagccgaa 120
ggtgagcgga tacaagcccc aatcagtctt gcggcctagt cactgactct tcttctccat 180
ctagaaatgt cgtcaagaat gtaaaaagtc ctgccccgtt gtccgtaccg gaaagctttg 240

```

cattgaggtt actcccgaaat ccaagatcgc ttcatctct gagcgctct gtattgggtg 300
 cggatatctgc ccgaagaaat gccattcgg cgctattcat atcatcaacc tgccgaccaa 360
 cctggagagt caggtcaccc accgtactc cgccaacagc ttcaagcttc accgtcttcc 420
 tatgccccgt cctggtcagg ttcttgggtct tgttggaaca aacggtattg gaaagagtac 480
 agctttaaaa attctttctg gaaaattgaa gcccaacctt ggccgttatg ataaccgcc 540
 ggactgggag gagatcctga gatatttcg aggttccgaa ttgcagagta aggtttaccc 600
 cttcaaatacg gcttgatcc gctctgaccg caatagacta ctttacgaag gtgctggaag 660
 atgacctcaa ggccgtcgtc aagcctcagt a 691

<210> 22293
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22293

tccgagtact cctcactca gcatctggca aacaacctca tcgatctcta tatcaacttg 60
 ccgtctagca accggttccg acgaccgcc aactacatga gcaagggta ccgcaccgt 120
 cgtatggctg tagactacca gacgccgttg gtgaccaatg tcaagaacgc gaagattttg 180
 atcgaggcta ttgctcgcca ctacgcactc aatgtgcaga ctatcgacta tcagaccagc 240
 caccggtcga ttatcctccc tgggtctaatt aacgttggcg ctttcgtccc tggccttga 300
 agtgcagact ccaaggattt tgaggctgtg accaaggctt ctatcgagc tggtttcagc 360
 atgatccggg tgatgccagt tggcgctgac tctccatca cggatgctcg caccctgaaa 420
 cttgtccagc agaacgccgg caaggcctct ttctgcatg acaacttctc ggttgcgca 480
 acttcctcca actctgctga agttggacag ttgactggcg aggttggctc tttgttcac 540
 ccattcaacc atctttctgg aaacateagc aaggttgccg ctgttaccag ccactttggc 600
 gcatggcctt cgagcaagcc tatcattaca gatgctaagt cgacggatct cgcgtcggtc 660
 ttgcttctgg caagcctcca cagccgaac atccacgta tgagcgtcac gtctaaggag 720
 gatattgggc ctgatcgccc ttagcaagga gaaggtctc aaggtcactt gtgatgtttc 780
 catctactgc cttttcctgt ctcgggatga ttaccctgag gctgcattct tgccgacggc 840
 agaagatcag 850

<210> 22294
 <211> 848
 <212> DNA
 <213> Aspergillus nidulans

<400> 22294

gtaacagccc tgtccgccgg tacgccgaca tcaccacaga cggctggggac taccagcgcc 60
 acggcattgt cgcaaccctc tccctcgccg accatatccc tcttcggttc cccatcgggca 120
 cgcgagacagc ataccagcgc ttcttgccctg ccttcggtgg cccaatcgcc cttctcccgcc 180
 tcccaaaca caacgctacc cttgtctggt ccacgacggt cgaaaacgca gcttacctca 240
 agtccctatc gccgggagcc ttcatggcca tgggtcaacgc cgccttcgca ctgggcatgc 300
 cagatttaca gtacatgatg cgcattggagc gccctcgtc ctcgtcgggc acgaacctcg 360
 acgaagacct gcacgagagc gaactcactt ggcgcctaca gcacactcca tccccctctc 420
 atctccctcc aatgggcaca ggcgtgcaag aaggcagcgt cgcctcattc ccgctacggt 480
 tccgccatgc gtcaacgtac atctcaccgc gcgtagccct agtcggcgac gctgcgcacg 540
 tcatccacc ctttgccggc cagggcctaa acctcggcct gggcgatgtg gcctccctct 600
 ccagaacaat cgagtacgct gtgacgcatg ggatggacat aggcgatatc ctcacgctcg 660
 agagatatac ggctgagcgg tacgccacga acgcaaagat cgggtggcacc tgcgatgtcc 720
 tgcacaagct ttataacgtg cccggccagg ggcctgttgc gtggggggcg agtctgggat 780
 ttgagatcat tgaccgagta ccctttctga aggggtttct gatgaggaac gcggattaaa 840
 gaggggtgt 848

<210> 22295
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22295

gggctaagct cacaatatct ttgtagatca agatgctgcc aaatgcacat tatatggaca 60
 accaagccga gatccaatgg tccatgcggt ctgttctcat ggactggctt gtgcaggtcc 120
 accatcggtt ctactgctc cctgaaactc tttttctttg cgtcaactat atcgaccgtt 180
 tcctctcatg caagattgtt tcgcttggca agctgcagct tgttggtgca actgctatct 240

ttatcgccgc gaaatatgaa gagatcaact gtccgtctgt ccaggagatt gtttacatgg 300
 ttgacggcgg ttacactgtc gatgaaattc tgaaagcaga gcggttcacg ctaagcatgc 360
 tccagttcga gcttggggtt tcaggaccta tgagcttcct tcgcataatc agcaaagctg 420
 accattacta cctcgaaacc tggccccctt gcgaaatatt tectggaggt tactatcatg 480
 gatgagcgat tcgttggttag tcctgctagt ttcttgcgtg ccggcgctca ttgcttggcg 540
 aggttaatgc tcaagaaagg cacctgggta tgttttcttt gatctgttta tgtatacgtg 600
 actgacgatt cattagtctc ctgctcatgt gcattacgcc gggtatactt actctcagct 660
 ataccgcctc gtctctctca ttgttgagtg ctgtgagatg ccccgcaagc atcattcagc 720
 tatttacgat aagtacaacg atagacgatt caagcttgct tctgcttacg tggaagccga 780
 aatgaggaag aacttccgtc ttccagagcc ggctatcgac cgcaaaacaa cacatgggtca 840
 aggacgggtt 850

<210> 22296
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 22296

gagagagcac ggaacaagct tcttcttgag ttcacacca ttcagcgagg tgttacagat 60
 aaggaagcct ccgagattca gaacaagatg gctcgaggag gcatcacgct cggcgagcct 120
 aactctaccg atgacatctc tcgaatcctc aagcgccgcg gccagagaat gttcgagcag 180
 accggcaacc aggcgaagtt ggaacagctt gatattgatt cagtgcctgc taatgctgaa 240
 ttgcatcaaa ctgaacaggc tgagggcatt caagcagacg gtggcgaaga gttcctcaaa 300
 gcatttgatt acgtcgacat caaggttgac gatctcacat gggacgacat cataccaag 360
 gaacagcttg aggagattaa ggcagaagag aagaagaaag ccgacgagaa atacctagca 420
 gacgtcattg aacagaatcg accgcgcaag cgcattgttg caggtgatga gcgagatacc 480
 cgtgccgaaa gaaaagctaa gcgacaagca cgggtccagg tcagtatgaa cgatgatgat 540
 ggagatgact cggaaccaa tgcgaaagcg gatccgaagc gcccgctagt ggagaaggaa 600
 tatcgtcacc tccttcgagc ctttctacgt tatggtgata ttgaggaccg agaagaggaa 660
 gttattcgag aagcgcgtct aacagaacgc gatagggaca ctgttaaaag tgactgcgt 720